MDGx MAX SPEED

MDGx Windows 7/7 SP1/2008 R2/newer
Tweaks, Fixes, Guides, Downloads + Links



MDGx Windows 7/7 SP1/2008 R2/newer

Tweaks, Fixes, Guides, Downloads + Links



HTML ☻ PDF [this document] ☻ TXT

PDF Cover Photo → cropped from MDGx ©Photos [own work]

MDGx ©Photos [200+ samples, cropped JPEGs, 3840x2160 pixels]

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################################################################################
          MDGx MAX Speed WinDOwS ©Tricks • Secrets • ßugs • Fixes
############################## http://www.mdgx.com/ ##############################

    Windows 7/7 SP1/2008 R2/newer Tweaks, Fixes, Guides, Downloads + Links
    ********************************************************************
                          http://www.mdgx.com/7.php



Here are 500+ Windows 7/newer hidden, little known, UNcommon, UNconventional, UNdocumented, UNheard of, UNknown, UNofficial,
useful, valuable FIXes, guides, tips, tricks, hacks, tweaks, downloads, files, repositories, web sites, apps, programs,
scripts, tools I have discovered/UNcovered on my own, or learned about/stumbled upon, tested + use, and are dedicated to
customize, enhance, maximize, optimize, fix/patch/repair/update/upgrade, tweak ease of use, functionality, performance,
privacy, reliability, safety, security, stability.
These topics refer to all English retail/final/gamma/Gold/RTM/OEM releases, versions, editions + builds [including previews,
Service Packs (SPs), updates + patches] 32-bit (x86) + 64-bit (x64) of these Microsoft Windows operating systems (OSes)
- 7
http://en.wikipedia.org/wiki/Windows_7
http://en.wikipedia.org/wiki/Windows_7_editions
- 7 Service Pack 1 (SP1)
http://en.wikipedia.org/wiki/Windows_7#Service_Pack_1
- Server 2008 R2
http://en.wikipedia.org/wiki/Windows_Server_2008_R2
unless specified otherwise:
http://www.mdgx.com/7.php
Also available as plain text/ASCII file (this file):
http://www.mdgx.com/WINDOWS7.TXT
Also available as PDF (Portable Document Format) document:
http://www.mdgx.com/WINDOWS7.pdf
Translate this file into your language: top right side -> click/touch down arrow to expand drop down menu -> select desired
language:
https://translate.google.com/?sl=en&tl=en&text=https%3A%2F%2Fwww.mdgx.com%2FWINDOWS7.TXT
TIP:
Most of these topics (clearly marked) apply also to Windows 8, 2012, 8.1, 2012 R2, 10, 2016, 2019, 2022, 11, 2025.
Enjoy.

BONUS:
More Windows 7/7 SP1 (clearly marked) tweaks, hacks, fixes, guides, links + tools (all included):
- MDGx "Win10 Block Tools (10_BLOCK)" in 10_BLOCK.TXT:
http://www.mdgx.com/xptoy.htm#10BLK
http://www.mdgx.com/10BLK/10_BLOCK.php
http://www.mdgx.com/10BLK/10_BLOCK.TXT
- MDGx "Windows 10/11 Tweaks, Fixes, Guides, Downloads + Links" in WIN10.TXT:
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
- MDGx "Windows 8/8.1 Tweaks, Fixes, Guides, Downloads + Links" in WINDOWS8.TXT:
http://www.mdgx.com/8.php
http://www.mdgx.com/WINDOWS8.TXT
http://www.mdgx.com/WINDOWS8.pdf
- MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" in TOOLS.TXT:
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

BTW:
WINDOWS7.pdf front cover photo [cropped JPEG, 2480x3508 pixels]:
http://www.mdgx.com/WINDOWS7_PDF_COVER_2480_x_3508.jpg
MDGx ©Photo I have used for this cover
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http://www.mdgx.com/D850/2019_VLA_NIK_6102_NEW.jpg
-> from MDGx ©Photos [own work]:
http://www.mdgx.com/0.php#PHOTO
MDGx ©Photos [200+ samples, cropped JPEGs, 3840x2160 pixels] [own work]:
http://www.mdgx.com/D850/

RECOMMENDED:
Optimize your reading/viewing experience -> MAXimize your document/text/PDF editor/reader/viewer/web browser app(lication)/program/software box/instance/pane/screen/window to full screen [examples: press F11, or hold WinKey + press Up Arrow, or hold Alt + V and press U, or hold Alt + press Enter, or hold Ctrl + Shift and press J], or at least increase box/instance/pane/screen/window size to MAXimum available in order to avoid incorrect breaks/splits of DOS console/prompt/window command lines/BATch (.BAT)/CoMmanD (.CMD)/document/script/text files (.CSS, .HTA, .HTM, .html, .JS, .php .TXT, .VBS, .WSH, etc), boot/configuration/options/properties/registry/settings/setup files (.CFG, .config, .INF, .INI, .MHT, .REG, .SYS, .XML, etc), Windows Registry keys/values lines usually enclosed between separators,
-----Begin cut & paste here-----
------End cut & paste here------
----------snippity-snip----------
and local/remote internet/network addresses/IPs/links/URLs (file:, ftp:, ftps:, http:, https:, mailto:, etc) longer than 125 characters (line length).

FYI:
Windows NTx (based on Windows NT) = Windows NT4/2000/XP/2003/Vista/2008/7/8/8.1/2012/10/2016/2019/2022/11/2025/newer
http://en.wikipedia.org/wiki/Windows_NT
Windows 9x (based on Windows 95) = Windows 95/95 OSR1/95 OSR2.x/98/98 SP1/98 SE(U)/ME
http://en.wikipedia.org/wiki/Windows_9x

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    @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
    @@ ALWAYS BACKUP ALL YOUR OPERATING SYSTEM DRIVES TO A SAFE LOCATION @@
    @@          BEFORE ATTEMPTING TO MAKE ANY SYSTEM CHANGES !          @@
    @@     -> "Free(ware) WinDOwS Backup + Restore Tools" section in    @@
    @@                     SECRETS.TXT (included):                     @@
    @@                http://www.mdgx.com/secrets.htm#BKP              @@
    @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
```

WARNING: * Take EXTREME CAUTION when modifying/adjusting/customizing your Registry/System/Startup files/configuration/settings!
Faulty changes may result in crashes/lockups/permanent data loss, or might lead to having you REINSTALL your Operating System(s)!
YOU are the ONLY one responsible for ANY changes YOU make!
ALWAYS HAVE YOUR MOST RECENT SYSTEM BACKUP READY! -> "Free(ware) WinDOwS Backup + Restore Tools" in SECRETS.TXT (included):
http://www.mdgx.com/secrets.htm#BKP
* BACKUP YOUR REGISTRY BEFORE MAKING ANY CHANGES! -> "BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S)" in WINDOWS7.TXT (this file),
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21
also here:
http://www.mdgx.com/WINDOWS7.TXT
* Some of these tricks + apps/programs/tools/scripts require adequate/basic knowledge about critical computing, operating systems (OSes), registry, services, shared environments, networks, cybersecurity, and other related subjects/disciplines:
http://en.wikipedia.org/wiki/Category:Microsoft_operating_systems
http://en.wikipedia.org/wiki/Windows_Registry
http://www.mdgx.com/reg.htm
http://en.wikipedia.org/wiki/Category:Windows_services
http://en.wikipedia.org/wiki/Real-time_computing
http://en.wikipedia.org/wiki/Enterprise_software
http://en.wikipedia.org/wiki/Shared_resource
http://en.wikipedia.org/wiki/Computer_network
http://en.wikipedia.org/wiki/Computer_security
http://en.wikipedia.org/wiki/Network_security

NOTES:
- These ©Tricks + Secrets have been tested on many computers, but with NO guarantee they should also work for you.
- Some of these tips I stumbled upon while browsing the Internet or while helping others with WinDOwS problems, some were kindly sent in by concerned readers (all authors/contributors are acknowledged and reliable sources given proper credit), and some I discovered on my own. Enjoy the ride.
- Contributed tips (clearly marked), entities + web sites mentioned here do not necessarily reflect the opinion of the author + owner of these files + of this web site.
  http://www.mdgx.com/

IMPORTANT:
****
http://www.mdgx.com/importnt.php
* Some of these files are archived in ZIP [http://en.wikipedia.org/wiki/Zip_%28file_format%29], RAR [http://en.wikipedia.org/wiki/RAR_%28file_format%29], 7Z [http://en.wikipedia.org/wiki/7z] or CAB

[http://en.wikipedia.org/wiki/Cabinet_%28file_format%29] format. You need a
file decompression (unZIPping/unARChiving/unRARing) tool to extract their
contents. I recommend [free(ware)]:
- Windows 9x/NTx users: File Shrinkers 32-bit + 64-bit:
http://www.mdgx.com/toy.htm#ZIP
- Windows/WfWG 3.1x users: Info-ZIP WiZ 16-bit:
http://www.info-zip.org/WiZ.html#Win16
- DOS/MS-DOS/FreeDOS/DR-DOS/OpenDOS users: DOS ZIP/unZIP 16-bit tools:
http://www.mdgx.com/dos.htm#ZIP
* STAY SAFE -> Scan for viruses *all* files downloaded from the Internet:
http://www.mdgx.com/vir.htm
and *beware* of false positives (included):
http://www.mdgx.com/fp.php
http://www.mdgx.com/FALSPOSI.TXT
* Target Operating System(s)/software/hardware REQUIRED for installing
upgrades/patches/fixes/drivers!
* Installing Windows OS components/upgrades/patches/fixes/drivers/tools may
require you to be logged on with Administrative/Power User/Sysadmin
privileges.
* Windows Vista/newer users: right-click each file and select "Run as
Administrator" (temporary fix) or disable User Account Control (UAC)
(permanent fix) in:
- Windows 10/2016/2019/2022/11/2025:
http://www.tenforums.com/tutorials/3577-user-account-control-uac-change-settings-windows-10-a.html
- Windows 8/2012/8.1/2012 R2:
http://www.eightforums.com/tutorials/5509-user-account-control-uac-change-settings-windows-8-a.html
- Windows 7/2008 R2:
http://www.petri.com/disable-uac-in-windows-7/
- Windows Vista/2008:
http://www.petri.com/disable_uac_in_windows_vista/
User Account Control (UAC) tweaking tools [free(ware)]:
- UAC Pass:
http://sites.google.com/site/freeavvarea/uac-pass/uac-pass/
- TweakUAC:
http://www.winability.com/tweak-uac/
- Disable UAC:
http://www.majorgeeks.com/files/details/disable_uac.html
FYI:
MDGx Tweaked + Customized File Manager (FM) installer FMNT32.EXE (free):
http://www.mdgx.com/xptoy.htm#FMNT
also installs "Disable User Account Control (UAC)" + "Enable User Account
Control (UAC)" items to Desktop right-click shell context menu.
* NEWest at the top -> OLDest at the bottom.
* Items labeled as "discontinued!": obsolete, unmaintained +/- abandoned.
* Most all software featured here is free(ware):
- Freeware:
http://en.wikipedia.org/wiki/Freeware
- Free:
http://en.wikipedia.org/wiki/Free_software
- Open Source:
http://en.wikipedia.org/wiki/Open-source_software
* I do not recommend any crippled/demo/limited/shareware/trialware/retail
software, except the few essentials on my *MUST HAVE* list:
http://www.mdgx.com/toy.htm
and only if I could not find any free(ware) alternative.
* Most unofficial Windows OSes (Hot)Fixes, Packs + Updates created using
official Microsoft IEAK {INF [http://www.mdgx.com/add.htm#INF] + SED
[http://www.mdgx.com/INF_web/cdfinfo.htm]} installer toolkit (free):
http://www.mdgx.com/add.htm#IEA
* Check back often for Updates.
* FYI:
MDGx.com [http://www.mdgx.com/] ancient/old(er),
deprecated/discontinued/obsolete/unneeded, deleted/moved/renamed web pages,
documents, files, directories/folders have been archived/saved for posterity @
Internet Archive (WayBack Machine) [https://archive.org/] [free (gratis)]:
https://web.archive.org/web/*/http://www.mdgx.com/
* MDGx.com archived/saved directories/folders + all their files:
- /files/ [from 2021]:
https://web.archive.org/web/20210506185314/http://www.mdgx.com/files/
- /spx/ [from 2019]:
https://web.archive.org/web/20210506152359/http://www.mdgx.com/spx/list.php
- /sbdrv/ [from 2021]:
http://www.mdgx.com/sbdrv/
https://web.archive.org/web/20210510121002/http://www.mdgx.com/sbdrv/
* Please let me know if you discover any broken links:
http://www.mdgx.com/form.htm
* Thank you for your time and patience. ;-/
* Enjoy. ;-)

Please send me feedback online:
http://www.mdgx.com/form.htm
Thanks. ;-/

Must have + useful Windows NTx Software Programs [99.99% free(ware)] from TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
Must have + useful Software Programs [99.99% free(ware)] from SOFTWARE.TXT (included):
- MDGx Windows NTx Extras:
http://www.mdgx.com/xptoy.htm
- MDGx 1000+ Windows NTx Power Toys + Tweaking Tools:
http://www.mdgx.com/toy.htm
- MDGx Windows NTx Web Browsers + Internet Power Toys:
http://www.mdgx.com/nettoys.htm

WINDOWS7.TXT Contents: [new @tweaks added at the TOP]

BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S)
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21
Tweaks, Hacks + Fixes... UNconventional, UNdocumented, UNcensored ;-/
Updates/(Hot)Fixes/Patches + Windows Update (WU)
Turn OFF/Remove Windows 7/8/8.1 Adware, Spyware, Security Flaws + Repair/Restore Privacy
Turn OFF/Remove Windows 10 Adware, Spyware, Security Flaws + Repair/Restore Privacy -> WIN10.TXT (included):
http://www.mdgx.com/10.php
Everything About The Infamous (Not So) Trusted Installer
Task Scheduler Tweaks
Patch Windows 7
Customize BOOT Screens
Desktop Background/Wallpaper Tweaks + Free(ware) Tools
Free(ware) 7/8/8.1/10/11 Aero Tools + Tweaks
Free(ware) Windows 7 Replacement Apps + Tweaking Tools
Free(ware) Start Menu Shell Replacements
Turn OFF/ON User Account Control (UAC)
Free(ware) BOOT Tools + Tweaks
Windows Side-by-Side (WinSxS) Folder
Free(ware) Burn/Copy/Write/Install CDs/DVDs/BDs/USB Tools
OEM
Application (IN)Compatibility
Control Panel (CP) + Omnipotent/Master/Mega/'god mode' (OMg) Control Panel
Public Root DNS Servers
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
Internet + Web Browsers Tweaks, Fixes + Tools
http://www.mdgx.com/7.php#:~:text=Internet%20%2B%20Web%20Browsers%20Tweaks%2C%20Fixes%20%2B%20Tools%20%5BChromium%2FChrome%2C%20Firefox
Digital + Internet/Online Privacy, Safety + Security
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D
Chromium/Chrome/X-Chromium/Thorium/Brave/Vivaldi/Supermium Automated Clean-Up
Put A Pin In It!
XP -> 7/8/8.1 Easy Transfer Files + Settings
Turn OFF/ON Windows Features
Tweak Windows 7/7 SP1 Services
Turn OFF Action/Security Center + Notifications/Messages
Logon + Password Tweaks
Clock Sync
Turn OFF/ON Link Layer Topology Discovery (LLTD) + Quality of Service (QoS)
CMD, Commands, Environment + Console
Paging (Swap) File Tweaks
Windows (Defender) Firewall [W(D)F] Tweaks + Tools
Turn OFF NVidia Telemetry
Java No Java
Convert Audio + Video The Easy Way
Save Files List -> Text
Maximize Your Internet/Network Traffic Speed = MTU
Windows 7/newer Reference, Resources + Free eBooks + Documentation
Free(ware), Open Source + Portable Software + Games @ MDGx.com
Tweak Windows 8/8.1 Services -> WINDOWS8.TXT (included):
http://www.mdgx.com/8.php
Tweak Windows 10/11 Services -> WIN10.TXT (included):
http://www.mdgx.com/10.php
Advanced Appearance (Metrics) Settings [AA(M)S] for Windows 7/newer -> WINDOWS8.TXT (included):
http://www.mdgx.com/8.php
Tweak, Customize + Repair Tools on the Internet [free(ware)] -> WIN10.TXT (included):
http://www.mdgx.com/10.php
Essential Add-ons, Components, Fixes, Updates, Tools + Games [free(ware)] -> WIN10.TXT (included):
http://www.mdgx.com/10.php
XP/2003 FIREWALL GUIDE -> TIPSXP.TXT (included):
http://www.mdgx.com/xp2.htm#XFG
exFAT -> SECRETS.TXT (included):
http://www.mdgx.com/secrets.htm#XFAT
The Registry -> RegGuide.txt (included):
http://www.mdgx.com/reg.htm#REG
Registry Structure -> RegGuide.txt (included):
http://www.mdgx.com/reg.htm#RTS

REG Files -> RegGuide.txt (included):
http://www.mdgx.com/reg.htm#RF
Registry Curiosities -> RegGuide.txt (included):
http://www.mdgx.com/reg.htm#ODD
Registry Editing Rules -> RegGuide.txt (included):
http://www.mdgx.com/reg.htm#RER
Registry Credits + Links-> RegGuide.txt (included):
http://www.mdgx.com/reg.htm#CRE

See also matching/related topics in WIN10.TXT, WINDOWS8.TXT, 10_BLOCK.TXT,
MYTIPS95.TXT, REGISTRY.TXT, TIPS2000.TXT, TIPS95.TXT, TIPSXP.TXT, DESKTOP.TXT
(all included):
http://www.mdgx.com/newtip.htm
_____

BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S) !
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21

Most of these tweaks apply to all Windows 7/newer builds/editions/releases/versions.

* Backup/Export/Save + Restore/Import/Load/Merge the entire Registry + separate Registry (hive) keys in Windows NTx
[2000/newer] 32-bit (x86) + 64-bit (x64) Operating Systems (OSes):
http://support.microsoft.com/kb/322756/
http://neosmart.net/wiki/backup-restore-registry/
http://www.howtogeek.com/197785/how-to-backup-and-restore-the-windows-registry/
http://blog.netwrix.com/2018/10/30/how-to-back-up-and-restore-the-windows-registry/
http://www.winhelponline.com/blog/automatically-backup-registry-hives-windows-10/
http://www.minitool.com/data-recovery/backup-and-restore-registry.html
http://www.majorgeeks.com/content/page/how_to_back_up_or_restore_the_windows_registry.html
http://www.windowscentral.com/how-backup-entire-registry-windows-10/
http://theitbros.com/restore-windows-10-registry-from-backup-or-restore-point/
http://www.techbout.com/backup-registry-in-windows-10-47923/
Registry hive keys (hives):
http://learn.microsoft.com/windows/win32/sysinfo/registry-hives/
http://en.wikipedia.org/wiki/Windows_Registry#Keys_and_values
http://www.mdgx.com/reg.htm#RTS
Method #1:
****
From the graphical user interface (GUI) or from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] using RegEdit
(%WinDir%\REGEDIT.EXE):
http://www.mdgx.com/reg.htm#RER
http://www.ss64.com/nt/regedit.html
[%WinDir% = usually C:\WINDOWS].
A. Backup/Export/Save entire Registry manually:
- From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator ->
run this command -> press Enter (example):
REGEDIT.EXE /E REGISTRY.reg
- Right-click RegEdit (%WinDir%\REGEDIT.EXE) or its shortcut/icon/link -> Run as Administrator -> make sure it points to
"Computer" [root, entire registry] -> click File -> click Export... -> under Export Registry File -> select the folder of
your choice -> type your choice of "File name:" (example: REGISTRY.reg) -> click Save -> exit RegEdit.
B. Restore/Import/Load/Merge entire Registry manually:
- From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator ->
run this command -> press Enter (example using saved reg file above):
REGEDIT.EXE /S REGISTRY.reg
- Right-click RegEdit (%WinDir%\REGEDIT.EXE) or its shortcut/icon/link -> Run as Administrator -> make sure it points to
"Computer" [root, entire registry] -> click File -> click Import... -> under Import Registry File -> select the folder where
your backed up .REG file(s) reside(s) -> highlight/select your backed up Registry (.HIV, .REG, etc) file(s) (in this
example: REGISTRY.reg) -> click Open separately for each file (if more than 1) -> click OK or press Enter -> exit RegEdit.
Method #2:
****
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] using REG (%WinDir%\SYSTEM32\REG.EXE) command line tool:
http://www.mdgx.com/reg.htm#BNR
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
A. Backup/Export/Save separate Registry (hive) key(s) manually: right-click CMD shortcut/CMD.EXE -> Run as Administrator ->
run these commands -> press Enter after each line (example):
REG.EXE EXPORT "HKCR" HKCR.reg /y
REG.EXE EXPORT "HKCU" HKCU.reg /y
REG.EXE EXPORT "HKLM" HKLM.reg /y
REG.EXE EXPORT "HKU" HKU.reg /y
REG.EXE EXPORT "HKCC" HKCC.reg /y
Where
http://www.mdgx.com/reg.htm#RTS
HKCR = Classes Root Hive Key:
HKEY_CLASSES_ROOT
HKCU = Current User Hive Key:
HKEY_CURRENT_USER
HKLM = Local Machine Hive Key:

HKEY_LOCAL_MACHINE
HKU = Users Hive Key:
HKEY_USERS\.DEFAULT
HKCC = Current Configuration Hive Key:
HKEY_CURRENT_CONFIG
On 64-bit (x64) Windows NTx OSes these commands backup also the correspondent 64-bit registry hive keys (example): the HKEY_LOCAL_MACHINE\SOFTWARE subkey is linked to the HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node subkey.
More info:
- MS DOCs: Registry Keys Affected by WoW64 on Windows 64-bit (x64) editions:
http://msdn.microsoft.com/library/aa384253.aspx
- Advanced INSTALLER: Wow6432Node Registry Key:
http://www.advancedinstaller.com/user-guide/registry-wow6432-node.html
- MDGx "Registry Structure" section in RegGuide.txt (included):
http://www.mdgx.com/reg.htm#RTS
B. Restore/Import/Load/Merge separate Registry (hive) key(s) manually (example using saved reg files above): locate saved reg files [see above] -> right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (example):
REG.EXE IMPORT HKCR.reg /y
REG.EXE IMPORT HKCU.reg /y
REG.EXE IMPORT HKLM.reg /y
REG.EXE IMPORT HKU.reg /y
REG.EXE IMPORT HKCC.reg /y
Where
http://www.mdgx.com/reg.htm#RTS
HKCR = Classes Root Hive Key:
HKEY_CLASSES_ROOT
HKCU = Current User Hive Key:
HKEY_CURRENT_USER
HKLM = Local Machine Hive Key:
HKEY_LOCAL_MACHINE
HKU = Users Hive Key:
HKEY_USERS\.DEFAULT
HKCC = Current Configuration Hive Key:
HKEY_CURRENT_CONFIG
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
Method #3:
****
Using 3rd party Registry Backup/Restore tools [free(ware)]:
http://www.mdgx.com/toy.htm#FIX
http://www.raymond.cc/blog/backup-restore-whole-windows-registry-selected-hives/
http://www.tweaking.com/content/page/registry_backup.html
http://www.majorgeeks.com/mg/sortdate/registry.html
http://listoffreeware.com/list-of-best-free-registry-backup-software/
http://www.winhelponline.com/blog/automatically-backup-registry-hives-windows-10/
http://www.tweaking.com/content/page/registry_backup.html

* Windows Registry info, guides + tools [free(ware)]:
- MDGx "The Registry" chapter -> "Backup, Edit + Restore the Registry in Windows NTx OSes" topic -> "REG:" paragraph in RegGuide.txt (included):
http://www.mdgx.com/reg.htm#BNR
- MDGx "Registry Editing Rules" section -> "Registry Editing Rules + RegEdit (REGEDIT.EXE) Guide" topic -> in RegGuide.txt (included):
http://www.mdgx.com/reg.htm#RER
- MDGx "Free(ware) 9x/NTx System + Registry Fixers" section -> "Windows Registry Backup, Restore + Tweaking tools [free(ware)]" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#FIX
_____

Tweaks, Hacks + Fixes... UNconventional, UNdocumented, UNcensored ;-/

Most of these tweaks apply to all Windows 7/newer builds/editions/releases/versions.

* FIX: Block/disable/stop/turn OFF Windows 7/newer + Windows Server 2008/newer LSASS (Local Security Authority Subsystem Service) plain text/ASCII credentials/passwords exposure security vulnerability used by Mimikatz + similar hacking methods:
http://woshub.com/defending-windows-domain-against-mimikatz-attacks/
http://seniordba.wordpress.com/2021/04/12/defending-against-mimikatz-in-windows-10/
http://www.reliaquest.com/blog/credential-dumping-part-2-how-to-mitigate-windows-credential-stealing/
http://learn.microsoft.com/windows-server/security/credentials-protection-and-management/configuring-additional-lsa-protection/
http://admx.help/?Category=SecurityBaseline&Policy=Microsoft.Policies.PtH::Pol_PtH_WDigestAuthn
http://www.stigviewer.com/stig/windows_7/2016-12-19/finding/V-72753
http://en.wikipedia.org/wiki/Local_Security_Authority_Subsystem_Service
CAUTION:
****
This requires basic/adequate knowledge about critical computing, operating systems, shared environments, networks,

cybersecurity.
http://www.mdgx.com/importnt.php
Recommended for multiuser/networked/education/enterprise/shared/server environments processing/storing/delivering encrypted/protected/secure critical/private/sensitive/vital analysis/data/information.
Modifying settings below may affect proper operation of connected/networked computers/devices/servers, components/features/functions, and/or your multiuser/networked/education/enterprise/shared/server environment(s) may experience errors.
UPDATES:
****
MSKB KB3134228 MS16-014 Security Update 32-bit + 64-bit for Windows 7 SP1/2008 R2/8/8.1/2012/2012 R2/10/2016 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/3134228/
MSKB KB3134228 MS16-014 Security Advisory:
http://learn.microsoft.com/security-updates/securitybulletins/2016/ms16-014/
MSKB KB2871997 Security Update 32-bit + 64-bit for Windows 7 SP1/2008 R2/8/8.1/2012/2012 R2 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/2871997/
Microsoft Catalog Files for KB2871997 Update:
http://www.catalog.update.microsoft.com/search.aspx?q=KB2871997
MSKB KB2871997 Security Advisory:
http://learn.microsoft.com/security-updates/SecurityAdvisories/2016/2871997/
FIXES:
******
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa]
"RunAsPPL"=dword:1
"TokenLeakDetectDelaySecs"=dword:1e
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\WDigest]
"Negotiate"=dword:0
"UseLogonCredential"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Lsa]
"RunAsPPL"=dword:1
"TokenLeakDetectDelaySecs"=dword:1e
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\SecurityProviders\WDigest]
"Negotiate"=dword:0
"UseLogonCredential"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Lsa]
"RunAsPPL"=dword:1
"TokenLeakDetectDelaySecs"=dword:1e
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\SecurityProviders\WDigest]
"Negotiate"=dword:0
"UseLogonCredential"=dword:0
;
```

------End cut & paste here------
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Lsa" /v RunAsPPL /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Lsa" /v TokenLeakDetectDelaySecs /t REG_DWORD /d 1e /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\SecurityProviders\WDigest" /v Negotiate /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\SecurityProviders\WDigest" /v UseLogonCredential /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Control\Lsa" /v RunAsPPL /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Control\Lsa" /v TokenLeakDetectDelaySecs /t REG_DWORD /d 1e /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Control\SecurityProviders\WDigest" /v Negotiate /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Control\SecurityProviders\WDigest" /v UseLogonCredential /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Control\Lsa" /v RunAsPPL /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Control\Lsa" /v TokenLeakDetectDelaySecs /t REG_DWORD /d 1e /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Control\SecurityProviders\WDigest" /v Negotiate /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Control\SecurityProviders\WDigest" /v UseLogonCredential /t REG_DWORD /d 0 /f
:END
EXIT
```

------End cut & paste here------
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html

* FIX: Uninstall ancient, primitive, anachronic dangerous/insecure/obsolete/unsafe/undesirable/unnecessary/unneeded/useless Internet Explorer (IE) [DISCONTINUED!] web browser [any version]

http://www.cnn.com/2022/06/18/asia/internet-explorer-gravestone-viral-south-korea-intl-hnk/
from Windows 7/newer using Control Panel (CP) -> Optional Features manager applet -> click Start button/icon/logo/menu/orb
-> Control Panel (CP) -> "Programs and Features" -> "Turn Windows features on or off" -> "Windows Features" -> UNcheck
"Internet Explorer 10/11" box -> Apply/OK -> restart Windows.
OR Run... [hold WinKey + press R] -> type this command
OptionalFeatures.exe
OR this command
CONTROL.EXE appwiz.cpl,,2
-> press Enter -> "Windows Features" -> UNcheck "Internet Explorer 10/11" box -> Apply/OK -> restart/reboot Windows.
OptionalFeatures.exe, CONTROL.EXE + appwiz.cpl = all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
RECOMMENDED:
****
Install an independent/3rd party free, open source, safe, secure, uncrippled, unlocked, unrestricted, modern web browser
based on Chromium code with enhanced privacy, safety + security:
http://www.mdgx.com/nettoys.htm#PRV
-> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Or if you prefer install a Firefox based web browser -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox"
section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
-> see Firefox enhanced privacy, safety + security:
http://www.mdgx.com/nettoys.htm#PSF

* FIX: Windows 7/7 SP1 BypassESU Patch allows installing Extended Security Updates (ESU) [German]:
http://www.deskmodder.de/blog/2019/12/07/windows-7-erweiterte-sicherheitsupdates-esu-erhalten-wird-moeglich-sein/
Translated into English [by Google]:
https://www-deskmodder-de.translate.goog/blog/2019/12/07/windows-7-erweiterte-sicherheitsupdates-esu-erhalten-wird-moeglich-
sein/?_x_tr_sl=de&_x_tr_tl=en
BypassESU:
http://github.com/arturolegovich/BypassESU-v9-AIO/
Files [7-Zip (7Z) archives]:
BypassESU v13:
http://gitlab.com/-/project/11037551/uploads/db30efe8f2e96af79ff8718d09281183/BypassESU-v13f.7z
BypassESU v12:
http://gitlab.com/stdout12/adns/uploads/530cbef75245d962caede3de62f174a6/BypassESU-v12_u.7z
BypassESU v11:
http://gitlab.com/stdout12/adns/uploads/b5ad06702413b6bf6b1d5a1db8b086d4/BypassESU-v11.7z
Use 7-zip to extract files [free]:
http://www.mdgx.com/toy.htm#7Z
BypassESU Guide:
http://trackerninja.codeberg.page/post/windows-7-esu-extended-security-updates/
BypassESU Guide [French]:
http://lecrabeinfo.net/windows-7-recevoir-les-mises-a-jour-de-securite-jusquen-2023.html
Translated into English [by Google]:
https://lecrabeinfo-net.translate.goog/tutoriels/windows-7-recevoir-les-mises-a-jour-de-securite-jusquen-2023/?_x_tr_sl=fr&_x_tr_tl=en
Windows 7 ESU Patching:
http://hackandpwn.com/windows-7-esu-patching/
Windows 7 ESU Bypass:
http://www.ghacks.net/2020/02/13/it-appears-that-the-windows-7-esu-bypass-is-indeed-working/
Bypass Windows 7 Extended Security Updates Eligibility:
http://forums-mydigitallife-net.translate.goog/threads/bypass-windows-7-extended-security-updates-eligibility.80606/
Windows 7 ESU (Extended Security Updates) FAQ:
http://learn.microsoft.com/troubleshoot/windows-client/windows-7-eos-faq/windows-7-extended-security-updates-faq/

* Fix Windows 7 Shut Down Bug:
http://www.lifehacker.com/1841581231/
http://esupport.quickheal.com/support/solutions/articles/23000020281/

* Fix Windows 7 Wallpaper Display Bug:
http://www.winaero.com/blog/microsoft-fixes-black-wallpaper-windows-7-bug-with-kb4539602/
http://www.lifehacker.com/1841274851/
FIX: Wallpaper set to Stretch is displayed as black:
http://support.microsoft.com/kb/4539602/
created by Microsoft...
BUG: Windows 7 January 14 2020 Monthly Rollup:
http://support.microsoft.com/kb/4534310/

* Fix Windows 7 Slow/Stuck "Checking for Updates" Bug:
http://www.reddit.com/r/windows/comments/4tx4s9/

* Migrate Windows 7 to a new SSD (SATA)/NVMe (PCIe) drive without reinstalling:
http://www.lifehacker.com/5837543/
MDGx "Free(ware) WinDOwS Backup + Restore Tools" section in SECRETS.TXT (included):
http://www.mdgx.com/secrets.htm#BKP

* Speed Up Windows Shutdown Process:
http://www.addictivetips.com/windows-tips/how-to-speed-up-windows-shutdown-process/

* Control How Long Windows Waits Before Killing Apps at Shutdown:
http://www.howtogeek.com/282062/control-how-long-windows-waits-before-killing-apps-at-shutdown/

* Always show full details in Explorer Copy/Move/Delete dialog box:
http://www.askvg.com/how-to-always-show-more-details-in-file-transfer-cut-copy-delete-dialog-box-in-windows-vista-and-7/
Install Open-Shell [Classic Shell fork] 32-bit + 64-bit Start Menu + button/icon/logo/orb, Explorer + IE enhancer, replacer, supports custom skins, buttons/logos, highly customizable (free, open source):
http://open-shell.github.io/Open-Shell-Menu/
Open-Shell -> enable Open (Classic) Explorer Bar -> Classic Explorer Settings button -> File Operation tab -> enable Always show more details -> Apply/OK.

* (Un)Hide/(re)assign/remove/(un)mount drive(s)/partition(s)/volume(s) in Windows 7/newer:
http://www.isumsoft.com/windows-10/hide-or-unhide-hard-disk-partition-in-windows-10.html
http://www.windowscentral.com/how-hide-entire-drive-prying-eyes-windows-10/

* Windows Registry keys involved in, linked to, and affected by WoW64 (Windows 32-bit on Windows 64-bit) 64-bit (x64) in Windows NTx 64-bit (x64) OSes:
http://msdn.microsoft.com/library/aa384253.aspx
http://en.wikipedia.org/wiki/WoW64
WoW64 symbolic links (Wow6432Node):
HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Classes
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Wow6432Node
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Wow6432Node\AppId
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\AppId
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Wow6432Node\PROTOCOLS
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\PROTOCOLS
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Wow6432Node\Typelib
HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Typelib
See MDGx "Registry Structure" chapter in RegGuide.txt (included) for more details:
http://www.mdgx.com/reg.htm#RTS

* Add/customize/substitute System, Dialog, Menus, Window, Icons, Taskbar + DOS Console (Command Prompt) Fonts (.fon, .ttf, .otf) + tweak DPI (Dots Per Inch) Scaling to other than default [100%] in Windows 7/newer:
http://www.superuser.com/questions/163430/#1131693
Customize Windows 7 Font Face/Size + Taskbar Icons Size:
http://www.wikihow.com/Customize-the-Size-of-the-Windows-7-Taskbar-Icons/
http://blogs.msdn.microsoft.com/developingfordynamicsgp/2009/12/01/more-on-windows-7-bitmap-fonts-and-dpi-settings/
http://www.tenforums.com/tutorials/70839-change-menus-text-size-windows-10-a.html
Change Default System Fonts:
http://answers.microsoft.com/en-us/windows/forum/windows_7-desktop/how-to-change-system-default-font-in-all-parts/dfce15db-7337-420a-a42e-517521a8502e/
Change Dialog Boxes + Buttons Fonts:
http://www.sevenforums.com/tutorials/1175-fonts-change.html
Add Custom Fonts to DOS Console (Command Prompt):
http://www.thewindowsclub.com/add-custom-fonts-to-command-prompt/
Substitute any font with any other font:
http://social.technet.microsoft.com/forums/windows/en-us/12b37082-c4e6-4beb-9bfb-7b992ebc2a1a/
http://answers.microsoft.com/en-us/windows/forum/all/windows-10-taskbar-clock-broken-change-windows/3462b7b6-03fb-4e97-9b2d-430b09867248/
http://gist.github.com/jcherven/42b84294248674c29eb50cb711114315/
Use also [limited options :-(] Windows built-in Display Font Size and DPI tool [DpiScaling.exe] located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
See also "* Advanced Appearance (Metrics) Settings [AA(M)S] for Windows 7/newer:" section in WINDOWS8.TXT (included):
http://www.mdgx.com/8.php
http://www.mdgx.com/WINDOWS8.TXT
http://www.mdgx.com/WINDOWS8.pdf
Right-click on improved WIN8_AAS.HTA (included, further customized) HTML Application (.HTA) file [right-click to save!]:
http://www.mdgx.com/WIN8_AAS.HTA
-> Run as Administrator [will open by default in the discontinued Internet Explorer (IE) web browser] -> tweak to your heart content. ;-/
HTML Application (HTA):
http://en.wikipedia.org/wiki/HTML_Application
Change System Font using Winaero Tweaker (freeware) + Windows built-in Registry Editor [RegEdit.exe]:
http://www.winaero.com/change-system-font-windows-10/
Winaero Tweaker 32-bit + 64-bit for Windows 7/newer adds/edits/modifies/removes, blocks/unblocks, customizes/tweaks, fixes/repairs, disables/enables appearance, apps, behavior, components, configuration, context/right-click, defects, desktop, display, features, flaws, functions, icons/items/links/shortcuts, inconsistencies, internet, limitations, menus, networking, operations, options, policies, preferences, programs, registry, restrictions, settings, services, start, startup, system, tasks, tools, UI (user interface), user, highly customizable [select Portable at install time!]:
http://www.winaero.com/winaero-tweaker/
Download:
http://www.winaero.com/download-winaero-tweaker/
File [Portable ZIP]:
http://www.winaero.com/downloads/winaerotweaker.zip
Winaero Tweaker Features:
http://www.winaero.com/the-list-of-winaero-tweaker-features/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer

http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Fonts]
"Courier 10,12,15"="COURF.FON"
"MS Serif 8,10,12,14,18,24"="SERIFF.FON"
"MS Sans Serif 8,10,12,14,18,24"="SSERIFF.FON"
"Small Fonts"="SMALLF.FON"
"Small Fonts (120)"="SMALLF.FON"
;
```

------End cut & paste here------
I use these fonts substitutes on my 17.3 inch/44 cm gaming laptop with 1080p screen resolution
http://www.mdgx.com/pc.htm#LAP
to replace system + fixed (raster) fonts. You can customize/tweak your favorite fonts/font pairs/substitutes according to your needs, preferences and/or desktop/display/screen size (examples):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\FontSubstitutes]
; "MS Shell Dlg"="Microsoft Sans Serif"
"MS Shell Dlg"="Segoe UI Bold (TrueType)"
; "MS Shell Dlg 2"="Tahoma"
"MS Shell Dlg 2"="Segoe UI Bold (TrueType)"
; "Segoe UI"=-
"Segoe UI"="Segoe UI Bold (TrueType)"
; "Segoe UI (TrueType)"=-
"Segoe UI (TrueType)"="Segoe UI Bold (TrueType)"
; "Arial"=-
"Arial"="Segoe UI Bold (TrueType)"
; "Tahoma"=-
"Tahoma"="Segoe UI Bold (TrueType)"
; "Helv"="MS Sans Serif"
"Helv"="Segoe UI Bold (TrueType)"
; "Helvetica"="Arial"
"Helvetica"="Segoe UI Bold (TrueType)"
; "Tms Rmn"="MS Serif"
"Tms Rmn"="Segoe UI Bold"
;
```

------End cut & paste here------
Lines above preceded by a semicolon followed by a space [;] are disabled (comments), and represent backups of the original registry values (see correspondent modified lines below).
I have added lines above ending with an equal sign followed by a minus sign [=-] so you can restore the original fonts by removing their customized substitutes (see correspondent modified lines below).
To restore original fonts: remove the semicolon and the space [;] -> save the file as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
Log off/sign out -> log back on/sign back in into same user account for these changes to take effect.
Windows System Font (.fon) files for different DPI settings (examples):

125% DPI font file	100% DPI font file
SSERIFF.FON	SSERIFE.FON
SSERIFFE.FON	SSERIFEE.FON
SSERIFFG.FON	SSERIFEG.FON
SSERIFFR.FON	SSERIFER.FON
SSERIFFT.FON	SSERIFET.FON
SSEF1255.FON	SSEE1255.FON
SSEF1256.FON	SSEE1256.FON
SSEF1257.FON	SSEE1257.FON
SSEF874.FON	SSEE874.FON

* MS Serif FON:

125% DPI font file	100% DPI font file
SERIFF.FON	SERIFE.FON
SERIFFE.FON	SERIFEE.FON
SERIFFG.FON	SERIFEG.FON
SERIFFR.FON	SERIFER.FON
SERIFFT.FON	SERIFET.FON
SERF1255.FON	SERE1255.FON
SERF1256.FON	SERE1256.FON
SERF1257.FON	SERE1257.FON

* Courier FON:

125% DPI font file	100% DPI font file
COURF.FON	COURE.FON

COURFE.FON | COUREE.FON
COURFG.FON | COUREG.FON
COURFR.FON | COURER.FON
COURFT.FON | COURET.FON
COUF1255.FON | COUE1255.FON
COUF1256.FON | COUE1256.FON
COUF1257.FON | COUE1257.FON
Add/modify/customize fonts used by DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] + BATch (.bat)/CoMmanD (.cmd) script files:
http://smallvoid.com/article/winnt-cmd-add-font.html
http://www.techrepublic.com/blog/windows-and-office/quick-tip-add-fonts-to-the-command-prompt/
http://www.howtogeek.com/howto/windows-vista/stupid-geek-tricks-enable-more-fonts-for-the-windows-command-prompt/
http://www.wikihow.com/Customize-the-Font-in-Windows-Command-Prompt/
FYI:
Some of the fonts listed here are available only in certain Windows NTx builds/editions/releases/versions.
Example:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Console\TrueTypeFont]
"0"="Lucida Console"
"00"="Consolas"
"01"="Monotype"
"02"="OCR A Extended"
"03"="OCR A Std"
"04"="Segoe UI"
"05"="Segoe UI Bold"
"06"="Segoe UI Black"
"07"="Tahoma"
"08"="Verdana"
"09"="Fixedsys"
[HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Console\TrueTypeFont]
"0"="Lucida Console"
"00"="Consolas"
"01"="Monotype"
"02"="OCR A Extended"
"03"="OCR A Std"
"04"="Segoe UI"
"05"="Segoe UI Bold"
"06"="Segoe UI Black"
"07"="Tahoma"
"08"="Verdana"
"09"="Fixedsys"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows NT\CurrentVersion\Console\TrueTypeFont]
"0"="Lucida Console"
"00"="Consolas"
"01"="Monotype"
"02"="OCR A Extended"
"03"="OCR A Std"
"04"="Segoe UI"
"05"="Segoe UI Bold"
"06"="Segoe UI Black"
"07"="Tahoma"
"08"="Verdana"
"09"="Fixedsys"
;
```

------End cut & paste here------
Winaero Tweaker 32-bit + 64-bit for Windows 7/newer adds/edits/modifies/removes, blocks/unblocks, customizes/tweaks, fixes/repairs, disables/enables appearance, apps, behavior, components, configuration, context/right-click, defects, desktop, display, features, flaws, functions, icons/items/links/shortcuts, inconsistencies, internet, limitations, menus, networking, operations, options, policies, preferences, programs, registry, restrictions, settings, services, start, startup, system, tasks, tools, UI (user interface), user, highly customizable [select Portable at install time!]:
http://www.winaero.com/winaero-tweaker/
Download:
http://www.winaero.com/download-winaero-tweaker/
File [Portable ZIP]:
http://www.winaero.com/downloads/winaerotweaker.zip
Winaero Tweaker Features:
http://www.winaero.com/the-list-of-winaero-tweaker-features/
Change display/icons/items/system/UI fonts using Winaero Tweaker:
http://www.winaero.com/change-system-font-windows-10/

* Tweak + fix Desktop, Explorer, interface (GUI, Shell, API), mouse/cursor + keyboard/input annoyances in Windows XP/newer:
MenuShowDelay -> "MENUSHOWDELAY" -> REGISTRY.TXT (included):
http://www.mdgx.com/last3.htm#MENUDELAY
TileWallpaper -> "STRETCH WALLPAPER" -> TIPS98.TXT (included):
http://www.mdgx.com/98-1.htm#STRETCH

CursorBlinkRate -> "BLINK... NOT!" -> REGISTRY.TXT (included):
http://www.mdgx.com/last3.htm#BLINK
NoAutoReturnToWelcome:
http://sourceforge.net/p/unattended/mailman/message/32062919/
WindowArrangementActive:
http://www.tenforums.com/tutorials/4343-turn-off-snap-windows-windows-10-a.html
MouseWheelRouting:
http://www.tenforums.com/tutorials/12816-turn-off-scroll-inactive-windows-windows-10-a.html
JointResize, SnapAssist + SnapFill:
http://superuser.com/questions/1516878/
DockMoving:
http://superuser.com/questions/1039039/
DockTargetMouseWidth:
http://superuser.com/questions/1462732/
NOTE:
Some of these settings are available only in Windows 8/newer.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_CURRENT_USER\Control Panel\Desktop]
"DockMoving"="0"
"MenuShowDelay"="0"
"TileWallpaper"="0"
"CursorBlinkRate"="-1"
"NoAutoReturnToWelcome"="1"
"WindowArrangementActive"="0"
"MouseWheelRouting"=dword:2
[HKEY_USERS\.DEFAULT\Control Panel\Desktop]
"DockMoving"="0"
"MenuShowDelay"="0"
"TileWallpaper"="0"
"CursorBlinkRate"="-1"
"NoAutoReturnToWelcome"="1"
"WindowArrangementActive"="0"
"MouseWheelRouting"=dword:2
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"JointResize"=dword:0
"SnapAssist"=dword:0
"SnapFill"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"JointResize"=dword:0
"SnapAssist"=dword:0
"SnapFill"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"JointResize"=dword:0
"SnapAssist"=dword:0
"SnapFill"=dword:0
[HKEY_CURRENT_USER\Control Panel\Mouse]
"DockTargetMouseWidth"=dword:0
[HKEY_USERS\.DEFAULT\Control Panel\Mouse]
"DockTargetMouseWidth"=dword:0
;
```

------End cut & paste here------

* Activate (or Deactivate) any open background/inactive dialog box/pane/toolbar/window by hovering over it with the mouse pointer for fast/instantaneous access [set "ActiveWndTrackTimeout" registry DWORD (REG_DWORD) value to 0 milliseconds] in Windows XP/newer:
http://www.majorgeeks.com/content/page/how_to_activate_a_window_by_hovering_over_it_with_the_mouse.html
http://www.elevenforum.com/t/turn-on-or-off-activate-window-by-hovering-over-with-mouse-pointer-in-windows-11.6104/
http://www.sevenforums.com/tutorials/9000-mouse-hover-makes-window-active-enable.html
Start button/icon/logo/menu/orb -> Control Panel (CP) OR Run... [hold WinKey + press R] -> type this command
CONTROL.EXE
-> press Enter -> click "Ease of Access Center" (EAC) -> scroll down to + click on "Make the mouse easier to use" -> check "Activate a window by hovering over it with the mouse" box -> click OK/Apply button.
In case after doing all this your custom mouse pointers have reverted to default presets or Ease of Use settings -> run... [hold WinKey + press R] -> type this command
CONTROL.EXE MAIN.CPL,,1
-> customize your mouse pointers according to your preferences from your available/saved .ani (animated cursor) .cur (static cursor) files -> click OK/Apply button.
Log off/sign out -> log back on/sign back in into same user account for these changes to take effect.
Control Panel executable [CONTROL.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
1. Activate open window(s) registry file (example):
TIP:

Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Control Panel\Desktop]
"UserPreferencesMask"=hex:9e,3e,03,80,12,00,00,00
"ActiveWndTrackTimeout"=dword:0
[HKEY_CURRENT_USER\Control Panel\Desktop]
"UserPreferencesMask"=hex:9e,3e,03,80,12,00,00,00
"ActiveWndTrackTimeout"=dword:0
[HKEY_USERS\.DEFAULT\Control Panel\Desktop]
"UserPreferencesMask"=hex:9e,3e,03,80,12,00,00,00
"ActiveWndTrackTimeout"=dword:0
;
------End cut & paste here------
```

2. Deactivate open window(s) registry file (example):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Control Panel\Desktop]
"UserPreferencesMask"=hex:90,32,06,80,10,00,00,00
"ActiveWndTrackTimeout"=dword:0
[HKEY_CURRENT_USER\Control Panel\Desktop]
"UserPreferencesMask"=hex:90,32,06,80,10,00,00,00
"ActiveWndTrackTimeout"=dword:0
[HKEY_USERS\.DEFAULT\Control Panel\Desktop]
"UserPreferencesMask"=hex:90,32,06,80,10,00,00,00
"ActiveWndTrackTimeout"=dword:0
;
------End cut & paste here------
```

* Turn ON/enable Write Cache (hardware dependent) + turn OFF/disable Write Protect (write cache buffer flush), Error Checking, Legacy + Sleep/Suspend energy saving functions (hardware dependent) to speed up all your active/available/configured/connected/installed/linked/local/networked/remote/removable logical/physical cards/devices/discs/disks/media/sticks drives/partitions/volumes in Windows 7/newer:
http://www.lifewire.com/remove-write-4586905/
http://www.isumsoft.com/computer/format-write-protected-usb-drive-using-cmd.html
http://www.howtogeek.com/howto/windows-vista/registry-hack-to-disable-writing-to-usb-drives/
http://support.citrix.com/article/CTX236681/
http://www.tenforums.com/drivers-hardware/138212-change-removal-policy-defaults-current-all-future-drives.html
http://www.der-windows-papst.de/en/2015/06/02/harddisk-write-cache-festplatte-schreibcache-richtlinie/
http://learn.microsoft.com/windows/client-management/change-default-removal-policy-external-storage-media/
http://social.msdn.microsoft.com/Forums/WINDOWS/4e8f2618-0dc6-4ef6-b749-25b47b830797/
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.RemovableStorageAccess::Removable_Remote_Allow_Access
http://howandroidhelp.com/how-to-return-safely-remove-hardware-to-windows-taskbar/
Start button/icon/logo/menu/orb -> Control Panel (CP) OR Run... [hold WinKey + press R] -> type this command
CONTROL.EXE
-> press Enter -> All Control Panel Items -> Safely Remove Hardware (Plug/Unplug Removable Devices/Storage Media);
OR Run... [hold WinKey + press R] -> type this command
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL HotPlug.dll
-> press Enter -> check "Display device components" box: "HotPlugFlags" REG_DWORD value = 2 in registry (.reg) file below.
Control Panel executable [CONTROL.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
1st Things 1st:
****
BACKUP YOUR REGISTRY BEFORE MAKING ANY CHANGES! -> See "BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S)" in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Applets\SysTray]
"HotPlugFlags"=dword:2
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Applets\SysTray]
"HotPlugFlags"=dword:2
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Applets\SysTray]
```

```
"HotPlugFlags"=dword:2
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\I/O System]
"AllowRemoteDASD"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Session Manager\I/O System]
"AllowRemoteDASD"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Session Manager\I/O System]
"AllowRemoteDASD"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\RemovableStorageDevices]
"AllowRemoteDASD"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows NT\Terminal Services\Client]
"fEnableUsbBlockDeviceBySetupClass"=dword:0
"fEnableUsbSelectDeviceByInterface"=dword:1
[-HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows NT\Terminal Services\Client\UsbBlockDeviceBySetupClasses]
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows NT\Terminal Services\Client\UsbSelectDeviceByInterfaces]
"1000"="{6bdd1fc6-810f-11d0-bec7-08002be2092f}"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\StorageDevicePolicies]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Usb]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Storage\EnabledDenyGP]
"DenyAllGPState"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\StorageDevicePolicies]
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Storage\EnabledDenyGP]
"DenyAllGPState"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\StorageDevicePolicies]
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Storage\EnabledDenyGP]
"DenyAllGPState"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\StorageManagement\SpacesSMP\ConnectedSubsystems\{00000000-0000-0000-0000-
000000000000}]
"CacheEnabled"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\StorageManagement\SpacesSMP\ConnectedSubsystems\{00000000-0000-0000-0000-000000000000}]
"CacheEnabled"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\StorageManagement\SpacesSMP\ConnectedSubsystems\{00000000-0000-0000-0000-000000000000}]
"CacheEnabled"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0000]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0001]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0002]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0003]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0004]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0005]
```

```
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0006]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0007]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0008]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0009]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0010]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0011]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0012]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0013]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0014]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0015]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0016]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
```

```
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0017]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0018]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0019]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0020]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0021]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0022]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0023]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0024]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0025]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0026]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0027]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0028]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
```

```
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0029]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0030]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0031]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0032]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0033]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0034]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0035]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0036]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0037]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0038]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0039]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0040]
"ErrorCheckingEnabled"=dword:0
```

```
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0041]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0042]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0043]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0044]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0045]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0046]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0047]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0048]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0049]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0050]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0000]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
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[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0001]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0002]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0003]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0004]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0005]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0006]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0007]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0008]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0009]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0010]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0011]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0012]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
```

```
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0013]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0014]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0015]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0016]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0017]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0018]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0019]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0020]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0021]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0022]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0023]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0024]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
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"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0025]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0026]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0027]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0028]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0029]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0030]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0031]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0032]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0033]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0034]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0035]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0036]

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"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0037]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0038]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0039]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0040]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0041]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0042]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0043]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0044]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0045]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0046]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0047]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
```

```
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0048]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0049]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}\0050]
"ErrorCheckingEnabled"=dword:0
"LegacyCheckingEnabled"=dword:0
"HcDisableSelectiveSuspend"=dword:1
"DisableSelectiveSuspend"=dword:1
"EnableSelectiveSuspend"=dword:0
"WriteProtect"=dword:0
;
------End cut & paste here------
Open Device Manager: Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
DevMgmt.msc
or (in some cases):
MMC.EXE /S DevMgmt.msc
-> press Enter -> Disk Drives -> double-click on each drive/partition/volume name Properties -> Policies tab ->
Removal policy -> check "Better Performance" box (if applicable) -> Write-caching policy -> check "Enable write caching on
the device" box (if applicable) -> Apply/OK.
http://2.bp.blogspot.com/-rH-Np-Af7cU/VkwxreXVcjI/AAAAAAAAAKs/Vz2kGGCXxxY/s1600/Write-caching-policy.png
http://www.tenforums.com/attachments/tutorials/36596d1441816445-enable-disable-disk-write-caching-windows-10-a-write_cache-3.png
Device Manager DevCon [devcon.exe] 32-bit + 64-bit DOS console command line tool used to enable, disable, restart, update,
remove (groups of) hardware device drivers:
http://learn.microsoft.com/windows-hardware/drivers/devtest/devcon/
Available versions of DevCon 32-bit + 64-bit for Windows XP/newer 32-bit (x86) + 64-bit (x64):
http://superuser.com/questions/1002950/
DevCon Repository:
http://networchestration.wordpress.com/2016/07/11/how-to-obtain-device-console-utility-devcon-exe-without-downloading-and-installing-the-
entire-windows-driver-kit-100-working-method/
DevCon-Installer:
http://github.com/Drawbackz/DevCon-Installer/
Download:
http://github.com/Drawbackz/DevCon-Installer/releases/latest/
For example DevCon [devcon.exe] installs as part of Windows Driver Kit (WDK) 7.1.0/newer:
http://learn.microsoft.com/windows-hardware/drivers/download-the-wdk/
WDK 7.1.0 ISO:
http://www.microsoft.com/download/details.aspx?id=11800
File [620 MB]:
http://download.microsoft.com/download/4/A/2/4A25C7D5-EFBE-4182-B6A9-AE6850409A78/GRMWDK_EN_7600_1.ISO
Install 7-Zip unZIPping/unARChiving/unRARing tool (free GPL):
http://www.7-zip.org/
Explorer -> right-click GRMWDK_EN_7600_1.ISO (see above) -> select 7-Zip -> select Open archive -> extract devcon.exe file
which matches your Windows NTx OS build/edition/release/update/version + bit strength [32-bit (x86) or 64-bit (x64)]
anywhere on your local storage drives/partitions/volumes -> move matching devcon.exe file to a directory/folder listed in
your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Devcon.exe Commands:
http://learn.microsoft.com/windows-hardware/drivers/devtest/devcon-general-commands/
DEVCON Command Line Utility Alternative to Device Manager:
http://www.robvanderwoude.com/devcon.php
DEVCON.exe:
http://www.ss64.com/nt/devcon.html
Manage Windows Drivers at Command Prompt using DevCon:
http://www.thewindowsclub.com/devcon-manage-windows-drivers-cmd/
Run DevCon (devcon.exe) from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE ->
Run as Administrator -> run this command -> press Enter:
devcon.exe restart *usb*
You will see the list of all connected/local/removable USB devices (generic example):
----------snippity-snip----------
USB\VID_0000&PID_0000\00000000000000                    : Restarted
USB\ROOT_HUB00\0&00000000&0&0                           : Requires restart/reboot
etc...
The xxx device(s) are ready to be restarted. To restart/reset the devices, restart/reboot the system.
----------snippity-snip----------
Each device has a unique VID_xxxx + PID_xxx and/or ROOT_HUB_xx manufacturer/vendor ID number.
Open Registry Editor (RegEdit) [REGEDIT.EXE] located in the %WinDir% directory/folder [%WinDir% = usually C:\WINDOWS]:
right-click RegEdit or its shortcut/icon/link -> Run as Administrator -> go to this registry subkey (generic, replace #
```

numbers with actual hardware IDs corresponding to connected/installed storage media devices):
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Device_Vendor_ID_#\Device_Model_ID_#\Device Parameters\Classpnp\
Replace each Device_Vendor_ID_# + Device_Model_ID_# above with your specific number(s) obtained from the devcon.exe list in generic example above.
In this generic example:
VID_0000&PID_0000\00000000000000
the registry key you need (most likely) looks like this (generic example):
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\VID_0000&PID_0000\00000000000000\Device Parameters\Classpnp\
In the right hand pane of this registry key you need to modify or create (if not present) these 3 registry values with these exact names and with these exact numeric values after "dword:" [REG_DWORD value type]:
"UserRemovalPolicy"=dword:2
"UserWriteCacheSetting"=dword:1
"CacheIsPowerProtected"=dword:0
To create a new registry value (if not present): in the Registry Editor right hand pane -> right-click on an empty spot -> select Value -> REG_DWORD -> right-click on each value newly created -> name it exactly as above, without typing any quotation marks.
Repeat same steps 3 times in order to create + rename all 3 registry DWORD values above.
To modify the numeric/hex/bin/text/ASCII/ANSI/etc value of a registry value: in the Registry Editor right hand pane -> double-click on each of the 3 DWORD values above -> type 2 or 1 or 0 to match exactly its numeric value with the respective name of each of the 3 registry DWORD values.
Repeat same steps 3 times in order to modify the numeric values of all 3 registry DWORD values above.
Restart/reboot Windows for all changes to take effect.
DskCache [DSKCACHE.EXE] DOS console command line tool 32-bit Hotfix for Windows 2000/newer turns ON/OFF power failure protection (+p/-p) [CacheIsPowerProtected DWORD value] + write cache (+w/-w) [UserWriteCacheSetting DWORD value] in the registry for all connected/installed/local/network/removable drives/partitions/volumes:
https://web.archive.org/web/20140825143556/http://support.microsoft.com/kb/811392/
Download:
http://thehotfixshare.net/board/index.php?/files/file/1113-windows2000-kb811392-x86-enuexe/
File:
http://hotfixv4.trafficmanager.net/Windows%202000/sp5/Fix178740/2195/free/266264_ENU_i386_zip.exe
----------snippity-snip----------
DSKCACHE.EXE [+p|-p] [+w|-w] [/i|/s|Drive_Specifier]
Set [+] or Clear [-] the disk cache value:
 p Power protected write cache (not supported on all OS versions).
 w Write cache.
Drive selection (default is all drives):
 /i IDE disks only.
 /s SCSI (includes FC) disks only.
Drive_Specifier: Drive letter, volume name, or physical drive.
 Drive letter(s): c:, d:, etc.
 Volume name(s): \\?\Volume{8fc37c41-bdd3-11d5-b897-806d6172696f}\
 Physical drive(s): PhysicalDrive0, PhysicalDrive1, etc.
If using no options current settings for all fixed disks will be displayed.
----------snippity-snip----------
Turn ON power failure protection (+p) [CacheIsPowerProtected] + write cache (+w) [UserWriteCacheSetting] for all connected/installed/local/network/removable drives/partitions/volumes (example):
DSKCACHE.EXE +p +w
p = power failure protection
w = write cache
+ = enabled
- = disabled
+w and -w switches correspond to Device Manager [hold WinKey + press R -> type DevMgmt.msc -> press Enter] -> Disk Drives -> drive/partition/volume name Properties -> Policies tab -> Write-caching policy -> "Enable write caching on the device" check box, which corresponds to write cache [UserWriteCacheSetting] Registry DWORD [REG_DWORD] value [1 = enabled | 0 = disabled]:
"UserWriteCacheSetting"=dword:1
+p and -p switches correspond to Device Manager [hold WinKey + press R -> type DevMgmt.msc -> press Enter] -> Disk Drives -> drive/partition/volume name Properties -> Policies tab -> Write-caching policy ->
"Turn off Windows write-cache buffer flushing on the device" check box, which corresponds to power failure protection [CacheIsPowerProtected] Registry DWORD [REG_DWORD] value [1 = enabled | 0 = disabled]:
"CacheIsPowerProtected"=dword:1
These 2 Registry values reside under this Registry Hive Key Local Machine (HKLM) subkey (generic, replace 0es with actual hardware IDs of connected/installed/local/network/removable drives/partitions/volumes):
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\VID_0000&PID_0000\00000000000000\Device Parameters\Classpnp\
"UserWriteCacheSetting"=dword:1
"CacheIsPowerProtected"=dword:1
More info:
http://www.tomshardware.com/reviews/ssd-performance-tweak,2911-5.html
http://devblogs.microsoft.com/oldnewthing/20100909-00/?p=12913

* Turn OFF Diagnostic Tracing [DiagTrack], Data Collection/Logging [DataCollection], Telemetry + Performance Counters in Windows 7/newer:
NOTE:
*****
Some of the Diagnostic Tracing [DiagTrack] + Data Collection/Logging [DataCollection] settings [registry keys + values] apply only to Windows 8/8.1/10/11!
http://www.tenforums.com/tutorials/7032-change-diagnostic-data-settings-windows-10-a.html
http://www.tenforums.com/tutorials/118019-enable-disable-delete-diagnostic-data-windows-10-a.html
http://pcauthorities.com/pc-speed/how-to-disable-performance-counters-in-windows-xp/
http://heimdalsecurity.com/en/windows-10-security-guide/privacy/
http://www.helpdeskgeek.com/windows-10/how-to-disable-windows-10-telemetry/
http://tosdr.org/#microsoft
http://tosdr.org/#microsoft-store

http://learn.microsoft.com/windows/privacy/windows-diagnostic-data/
http://privacy.microsoft.com/
Microsoft Extensible Performance Counter List (EXCTRLST.EXE) 32-bit tool displays, enables + disables extensible performance counters for installed Dynamic Link Libraries (DLLs)/Services [616 KB]:
https://web.archive.org/web/20160722103758/http://download.microsoft.com/download/win2000platform/exctrlst/1.00.0.1/nt5/en-us/exctrlst_setup.exe
Explorer -> right-click exctrlst_setup.exe (see above) -> Run as Administrator -> Install Tool: EXCTRLST.EXE -> Next -> complete installation -> right-click exctrlst.exe -> Run as Administrator -> scroll down and highlight 1 item at a time all the way down to the bottom -> UNcheck every correspondent Performance Counter List box -> exit exctrlst.exe.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\DataCollection]
"Allow Telemetry"=dword:0
"AllowTelemetry"=dword:0
"DisableDeviceDelete"=-
"MaxTelemetryAllowed"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\DataCollection]
"Allow Telemetry"=dword:0
"AllowTelemetry"=dword:0
"DisableDeviceDelete"=-
"MaxTelemetryAllowed"=-
[-HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DiagTrack\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DiagTrack]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\DiagTrack\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\DiagTrack]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\DiagTrack\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\DiagTrack]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Diagnostics\DiagTrack]
"ShowedToastAtLevel"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Diagnostics\DiagTrack]
"ShowedToastAtLevel"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Diagnostics\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NET CLR Data\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NET CLR Networking\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NET CLR Networking 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NET Data Provider for Oracle\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NET Data Provider for SqlServer\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NET Memory Cache 4.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\.NETFramework\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ASP.NET\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ASP.NET_1.1.4322\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ASP.NET_2.0.50727\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ASP.NET_4.0.30319\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\aspnet_state\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\BITS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ESENT\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Intel Storage Counters\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Lsa\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\MSDTC\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\MSDTC Bridge 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\MSDTC Bridge 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\MSSCNTRS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\PerfDisk\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\PerfNet\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\PerfOS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\PerfProc\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Psched\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\rdyboost\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\RemoteAccess\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\RSVP\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ServiceModelEndpoint 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ServiceModelEndpoint 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ServiceModelOperation 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ServiceModelOperation 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ServiceModelService 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\ServiceModelService 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\SMSvcHost 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\SMSvcHost 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Spooler\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\TapiSrv\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Tcpip\Performance]
```

```
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\TermService\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\UGatherer\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\UGTHRSVC\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\usbhub\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Windows Workflow Foundation 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Windows Workflow Foundation 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\WmiApRpl\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\WSearchIdxPi\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Diagnostics\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NET CLR Data\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NET CLR Networking\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NET CLR Networking 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NET Data Provider for Oracle\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NET Data Provider for SqlServer\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NET Memory Cache 4.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\.NETFramework\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ASP.NET\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ASP.NET_1.1.4322\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ASP.NET_2.0.50727\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ASP.NET_4.0.30319\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\aspnet_state\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\BITS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ESENT\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Intel Storage Counters\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Lsa\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\MSDTC\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\MSDTC Bridge 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
```

```
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\MSDTC Bridge 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\MSSCNTRS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\PerfDisk\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\PerfNet\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\PerfOS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\PerfProc\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Psched\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\rdyboost\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\RemoteAccess\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\RSVP\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ServiceModelEndpoint 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ServiceModelEndpoint 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ServiceModelOperation 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ServiceModelOperation 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ServiceModelService 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\ServiceModelService 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\SMSvcHost 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\SMSvcHost 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Spooler\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\TapiSrv\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Tcpip\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\TermService\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\UGatherer\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\UGTHRSVC\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\usbhub\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Windows Workflow Foundation 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\Windows Workflow Foundation 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\WmiApRpl\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\WSearchIdxPi\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Diagnostics\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NET CLR Data\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NET CLR Networking\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NET CLR Networking 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NET Data Provider for Oracle\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NET Data Provider for SqlServer\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NET Memory Cache 4.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\.NETFramework\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ASP.NET\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ASP.NET_1.1.4322\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ASP.NET_2.0.50727\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ASP.NET_4.0.30319\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\aspnet_state\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\BITS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ESENT\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Intel Storage Counters\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Lsa\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\MSDTC\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\MSDTC Bridge 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\MSDTC Bridge 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\MSSCNTRS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\PerfDisk\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\PerfNet\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\PerfOS\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\PerfProc\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Psched\Performance]
```

```
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\rdyboost\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\RemoteAccess\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\RSVP\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ServiceModelEndpoint 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ServiceModelEndpoint 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ServiceModelOperation 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ServiceModelOperation 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ServiceModelService 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\ServiceModelService 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\SMSvcHost 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\SMSvcHost 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Spooler\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\TapiSrv\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Tcpip\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\TermService\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\UGatherer\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\UGTHRSVC\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\usbhub\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Windows Workflow Foundation 3.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\Windows Workflow Foundation 4.0.0.0\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\WmiApRpl\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\services\WSearchIdxPi\Performance]
"DisableDiagnosticTracing"=dword:1
"Disable Performance Counters"=dword:1
;
------End cut & paste here------

* Turn OFF/disable, customize the creation of, delete/remove +/- change target directory/folder of crash (mini)dump memory
(stack) (temporary) log files (default names + locations listed here):
- %SystemDrive%\DumpStack.log.tmp [file];
- %SystemRoot%\MEMORY.DMP [file];
- %SystemRoot%\Minidump [directory/folder].
http://crashdmp.wordpress.com/use-cases/file-patching/
http://www.scribd.com/document/548461821/
http://forums.mydigitallife.net/threads/windows-11-creates-a-lot-of-empty-folders.84466/
http://www.windowscentral.com/how-clear-system-error-memory-dump-files-windows-10/
http://www.windowscentral.com/how-open-and-analyze-dump-error-files-windows-10/
http://www.howtogeek.com/196672/windows-memory-dumps-what-exactly-are-they-for/
```

http://learn.microsoft.com/troubleshoot/windows-server/performance/memory-dump-file-options/
http://learn.microsoft.com/troubleshoot/windows-client/performance/read-small-memory-dump-file/
TIP:
****
Windows NTx built-in/default/pre-installed/preset machine/system (apply to all managed/registered users on the same machine/system) + local/user (apply only to current logged on/signed in user) environment variables used for target system/user directories/folders:
http://www.ss64.com/nt/syntax-variables.html
http://pureinfotech.com/list-environment-variables-windows-10/
http://www.computerhope.com/issues/ch000549.htm
- %SystemDrive% = usually C:\ root.
- %SystemRoot% = usually C:\WINDOWS [same as %WinDir%].
- %WinDir% = usually C:\WINDOWS [same as %SystemRoot%].
CAUTION:
****
Windows operating system (OS) integrity, proper functionality + correct operation *depend* on the *validity* of *all* these system variables!
INvalid/wrong parameters can render Windows INoperable or/and UNbootable, and you may have to reinstall from scratch or repair your operating system (OS), eventually using the original disc/media containing Windows Setup files!
Some of these variables can be added/customized/deleted/modified by using a Control Panel (CP)/Windows Settings (WS) tool:
Run... [hold WinKey + press R] -> type this command
SystemPropertiesAdvanced.exe
-> press Enter -> Advanced tab -> Environment Variables... button -> edit variables -> highlight respective line -> Edit button -> change parameters -> OK -> OK.
View the list of all your Windows operating system (OS) environment variables from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SET
-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)
SET>C:\Windows_Environment_Variables.txt
-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Example of Windows Vista/newer list of relevant environment variables [replace all User_Name instances with your actual user name]:
----------snippity-snip----------
ALLUSERSPROFILE=C:\ProgramData
APPDATA=C:\Users\User_Name\AppData\Roaming [OR: APPDATA=C:\Windows\system32\config\systemprofile\AppData\Roaming]
CommonProgramFiles=C:\Program Files\Common Files
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files [exists only in Windows 64-bit (x64)]
CommonProgramW6432=C:\Program Files\Common Files
ComSpec=C:\Windows\system32\cmd.exe
DriverData=C:\Windows\System32\Drivers\DriverData
HOMEDRIVE=C:
HOMEPATH=\WINDOWS\SYSTEM32 [OR: HOMEPATH=\Users\User_Name]
LOCALAPPDATA=C:\Users\User_Name\AppData\Local [OR: LOCALAPPDATA=C:\Windows\system32\config\systemprofile\AppData\Local]
OS=Windows_NT
ProgramData=C:\ProgramData
ProgramFiles=C:\Program Files
ProgramFiles(x86)=C:\Program Files (x86) [exists only in Windows 64-bit (x64)]
ProgramW6432=C:\Program Files
PSModulePath=%ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\system32\WindowsPowerShell\v1.0\Modules
PUBLIC=C:\Users\Public
SystemDrive=C:
SystemRoot=C:\Windows
TEMP=C:\Users\User_Name\AppData\Local\Temp [OR: TEMP=C:\Windows\TEMP]
TMP=C:\Users\User_Name\AppData\Local\Temp [OR: TMP=C:\Windows\TEMP]
USERNAME=User_Name
USERPROFILE=C:\Users\User_Name [OR: USERPROFILE=C:\Windows\system32\config\systemprofile]
windir=C:\Windows
----------snippity-snip----------
By default automatic (crash) memory dumps can be triggered by operating system (OS) core, GUI (Graphical User Interface), hardware, kernel, software, system BSoDs (Blue Screens of Death), conflicts, crashes, drivers, errors, failures, incompatibilities, lockups, random/unexpected reboots/restarts/shut downs, faulty settings, etc.
http://www.mdgx.com/newtip14.htm#BSOD
http://en.wikipedia.org/wiki/Blue_screen_of_death
A. Customize memory dump logging events, operation, schedule, file size + location:
http://www.windowscentral.com/how-manage-crash-dump-settings-windows-10/
Run... [hold WinKey + press R] -> type this command
SystemPropertiesAdvanced.exe
-> press Enter -> Advanced tab -> Startup and Recovery -> Settings... button -> System failure -> check "Write an event to the sysytem log" box -> check "Automatically restart" box -> Write debugging information -> select preferred option -> Dump file: -> change environment variable [between %% characters] to any other valid option [see list above] -> check "Overwrite any existing file" box -> UNcheck "Disable automatic deletion of memory dumps when disk space is low" box -> OK.
Use Windows built-in Event Viewer tool [eventvwr.msc] to view + diagnose conflicts, errors, crashes, failures, lockups, problems, reboots, shut downs, etc.
http://www.minitool.com/news/open-event-viewer-windows-10.html
http://www.windowscentral.com/how-use-event-viewer-windows-10/
Event Viewer [eventvwr.msc] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].

Management Saved Console (.msc) script files are associated by default with and executed by Microsoft Management Console (MMC.EXE) snap-in control tool, and most of them are located in the %WinDir%\SYSTEM32 folder [%WinDir% = usually C:\WINDOWS].
http://en.wikipedia.org/wiki/Microsoft_Management_Console
B. Turn OFF/disable + delete/remove obsolete/unused memory dump log files (examples):
1. Delete them using PowerShell commands:
Right-click PowerShell shortcut or C:\WINDOWS\System32\WindowsPowerShell\v1.0\PowerShell.exe [default location] -> Run as Administrator -> type these commands (examples)
Powershell.exe -EP Bypass -MTA -NOL -NONI -NOP -C "Remove-Item '%SystemDrive%\DumpStack.log.*' -Force -EA SilentlyContinue -Verbose"
Powershell.exe -EP Bypass -MTA -NOL -NONI -NOP -C "Remove-Item '%SystemRoot%\MEMORY.DMP' -Force -EA SilentlyContinue -Verbose"
-> press Enter after each line.
2. Turn them OFF using registry settings:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CrashControl]
"AutoReboot"=dword:1
"CrashDumpEnabled"=dword:0
"DumpFile"=hex(2):25,54,45,4d,50,25,5c,4d,45,4d,4f,52,59,2e,44,4d,50,00
"DumpLogLevel"=dword:0
"EnableLogFile"=dword:0
"LogEvent"=dword:0
"MinidumpDir"=hex(2):25,54,45,4d,50,25,5c,4d,69,6e,69,64,75,6d,70,00
"MinidumpsCount"=dword:0
"Overwrite"=dword:1
"DisplayParameters"=dword:1
"AlwaysKeepMemoryDump"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CrashControl\StorageTelemetry]
"DeviceDumpEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\CrashControl]
"AutoReboot"=dword:1
"CrashDumpEnabled"=dword:0
"DumpFile"=hex(2):25,54,45,4d,50,25,5c,4d,45,4d,4f,52,59,2e,44,4d,50,00
"DumpLogLevel"=dword:0
"EnableLogFile"=dword:0
"LogEvent"=dword:0
"MinidumpDir"=hex(2):25,54,45,4d,50,25,5c,4d,69,6e,69,64,75,6d,70,00
"MinidumpsCount"=dword:0
"Overwrite"=dword:1
"DisplayParameters"=dword:1
"AlwaysKeepMemoryDump"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\CrashControl\StorageTelemetry]
"DeviceDumpEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\CrashControl]
"AutoReboot"=dword:1
"CrashDumpEnabled"=dword:0
"DumpFile"=hex(2):25,54,45,4d,50,25,5c,4d,45,4d,4f,52,59,2e,44,4d,50,00
"DumpLogLevel"=dword:0
"EnableLogFile"=dword:0
"LogEvent"=dword:0
"MinidumpDir"=hex(2):25,54,45,4d,50,25,5c,4d,69,6e,69,64,75,6d,70,00
"MinidumpsCount"=dword:0
"Overwrite"=dword:1
"DisplayParameters"=dword:1
"AlwaysKeepMemoryDump"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\CrashControl\StorageTelemetry]
"DeviceDumpEnabled"=dword:0
;
```

------End cut & paste here------

* Maximize 3D/DirectX/DirectX3D 3D/gaming/graphics/spatial/texture processing/rendering performance: decrease hardware lag + turn OFF diagnostics, performance + tracing counters + timers in Windows 7/newer:
http://forums.guru3d.com/threads/from-red-to-green.387539/
http://www.ghacks.net/2013/04/18/try-changing-hpet-settings-to-improve-your-pcs-performance/
http://steamcommunity.com/app/1527950/discussions/0/6222330214313935470/
See also "* Turn OFF Diagnostic Tracing [DiagTrack], Data Collection/Logging [DataCollection], Telemetry + Performance Counters..." section further above.
Turn OFF High Precision Event Timer (HPET) BIOS clock boot setting from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
BCDEDIT.EXE /deletevalue useplatformclock
-> press Enter -> restart/reboot.
In case BCDEdit setting above doesn't help, or if HPET is needed by some hardware component/device or software driver/program you are using:
Turn ON High Precision Event Timer (HPET) BIOS clock boot setting from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
BCDEDIT.EXE /set useplatformclock true
-> press Enter -> restart/reboot.

View all BCDEdit [BCDEDIT.EXE] available options, parameters + switches: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
BCDEDIT.EXE /?
http://learn.microsoft.com/windows-server/administration/windows-commands/bcdedit/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Direct3D" /v PSGPNumThreads /t REG_DWORD /d 16 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Direct3D" /v EnableSC /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Direct3D" /v ForceCritSec /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Direct3D" /v MMXFastPath /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\ACPI" /v AMLIGlobalHeapSize /t REG_DWORD /d 1048576 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v LargeSystemCache /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PagedPoolQuota /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PagedPoolSize /t REG_DWORD /d ffffffff /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PhysicalAddressExtension /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PoolUsageMaximum /t REG_DWORD /d 3c /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SecondLevelDataCache /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SessionPoolSize /t REG_DWORD /d 3c /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SessionViewSize /t REG_DWORD /d 78 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SystemPages /t REG_DWORD /d ffffffff /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v FeatureSettings /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v FeatureSettingsOverride /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v FeatureSettingsOverrideMask /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\usbstor\054C00C1" /v MaximumTransferLength /t REG_DWORD /d 2097152 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\usbstor\05AC12xx" /v MaximumTransferLength /t REG_DWORD /d 2097152 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\usbstor\05AC13xx" /v MaximumTransferLength /t REG_DWORD /d 2097152 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\usbstor\05DCA431" /v MaximumTransferLength /t REG_DWORD /d 2097152 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\usbstor\058F6362" /v MaximumTransferLength /t REG_DWORD /d 2097152 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Windows" /v GDIProcessHandleQuota /t REG_DWORD /d 32768 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Windows" /v USERProcessHandleQuota /t REG_DWORD /d 32768 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "Scheduling Category" /t REG_SZ /d
high /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "SFIO Priority" /t REG_SZ /d high
/f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "Background Only" /t REG_SZ /d
false /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "Priority" /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "GPU Priority" /t REG_DWORD /d 1
/f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "Affinity" /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games" /v "SystemResponsiveness" /t
REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "Scheduling Category" /t REG_SZ /d high /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "SFIO Priority" /t REG_SZ /d high /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "Background Only" /t REG_SZ /d false /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "Priority" /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "GPU Priority" /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "Affinity" /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile" /v "SystemResponsiveness" /t REG_DWORD /d 1 /f
:END
EXIT
```

------End cut & paste here------
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
Restart/reboot Windows for all changes to take effect.

* Increase Cached Icons numeric value to max(imum) in Desktop, Explorer, File Manager (FM) + 3rd party replacements/similar tools in all Windows NTx builds/editions/releases/versions -> see "HARD DRIVE THRASHING" in REGISTRY.TXT (included):
http://www.mdgx.com/newtip1.htm#THRASH
MDGx "File Manager + Windows Explorer/File Explorer Replacement Tools [free(ware)]" section in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#ENH
MDGx "Tweaked + Customized File Manager (FM) 32-bit" section in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#FMNT
Microsoft open source original File Manager (FM) 32-bit + 64-bit:
http://www.mdgx.com/xptoy.htm#FMMS
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer]
"Max Cached Icons"="65535"
;
------End cut & paste here------
```

* Configure/enable/maximize/optimize/turn ON/tweak computer hardware components + system performance (affinity, clock rate, latency, priority, scheduling) for demanding/intensive multi-core CPU (Central Processing Unit) processing, digital (surround) audio + GPU (Graphics Processing Unit) graphics/rendering/video, 3D + (online) gaming app(lication)s/features/functions/operations/processes/programs/services/software/tasks in Windows 7/newer:
http://n1kobg.blogspot.com/p/blog-page_23.html
http://steamcommunity.com/sharedfiles/filedetails/?id=340298280
http://taw.net/forums/t/22680.aspx
http://www.overclockers.com/forums/threads/mcss-default-registry-settings.731114/
http://www.speedguide.net/articles/gaming-tweaks-5812
Just a few examples:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
; System Tweaks:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile]
"AlwaysOn"=dword:1
"NetworkThrottlingIndex"=dword:ffffffff
"SystemResponsiveness"=dword:1
"NoLazyMode"=dword:1
; Audio Tweaks:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Audio]
"Affinity"=dword:28
"Background Only"="true"
"Clock Rate"=dword:2710
"GPU Priority"=dword:8
"Priority"=dword:6
"Scheduling Category"="medium"
"SFIO Priority"="normal"
; Display Tweaks:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\DisplayPostProcessing]
"Affinity"=dword:0
"Background Only"="true"
"BackgroundPriority"=dword:18
"Clock Rate"=dword:2710
"GPU Priority"=dword:12
"Priority"=dword:8
"Scheduling Category"="high"
"SFIO Priority"="high"
"Latency Sensitive"="true"
; Gaming Tweaks:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Multimedia\SystemProfile\Tasks\Games]
"Affinity"=dword:0
"Background Only"="false"
"Clock Rate"=dword:2710
"GPU Priority"=dword:12
"Priority"=dword:6
"Scheduling Category"="high"
"SFIO Priority"="high"
"Latency Sensitive"="true"
;
------End cut & paste here------
```

Restart/reboot Windows for all changes to take effect.
Other methods:
1. Use Windows 7/newer built-in tools:
- Task Manager -> Processes tab -> right-click menu "Set affinity..." options:
http://www.sevenforums.com/tutorials/83632-processor-affinity-set-applications.html
http://superuser.com/questions/181577/
http://stackoverflow.com/questions/1663993/
- START /affinity ??? xxxxxxxx.yyy + different priority levels DOS console command parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/start/
http://learn.microsoft.com/archive/blogs/santhoshonline/how-to-launch-a-process-with-cpu-affinity-set/
http://stackoverflow.com/questions/7759948/
http://www.ss64.com/nt/start.html
http://answers.microsoft.com/en-us/windows/forum/all/how-do-i-set-affinity-and-priority-for-program/c1dd4ab4-b7f9-45a5-85ec-b8b0cf6d3fda/
Example:
START /realtime /affinity 0xC notepad.exe
2. Use 3rd party tools:
- Process Lasso Free Edition 64-bit for Windows 7/newer 64-bit (x64) adjusts real time CPU optimization + automation functions [CRIPPLED FREEWARE!]:
http://bitsum.com/
File:

http://dl.bitsum.com/files/processlassosetup64.exe
Process Lasso CPU Affinity Guide:
http://superuser.com/questions/349591/
- See MDGx "PERFORMANCE + BENCHMARK" section in TOOLS.TXT (included) for more hardware tweaking tools [free(ware)]:
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* FIX: Repair Remote Procedure Call (RPC) Internet Protocol version 6 (IPv6)/server errors in Windows 7/newer:
http://www.helpdeskgeek.com/help-desk/how-to-fix-rpc-server-is-unavailable-error-in-windows/
http://www.hpc.mil/program-areas/networking-overview/2013-10-03-17-24-38/ipv6-knowledge-base-ip-transport/disabling-ipv6-in-microsoft-windows-8-and-server-2012/
http://techjourney.net/disable-turn-off-ipv6-support-in-windows-10-8-1-8-7-vista/
http://kb.iu.edu/d/baeg/
http://www.drivereasy.com/knowledge/rpc-server-is-unavailable-error-on-windows-10-fixed/
http://www.alphr.com/rpc-server-is-unavailable/
http://learn.microsoft.com/troubleshoot/windows-server/networking/configure-ipv6-in-windows/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip6\Parameters]
"DisabledComponents"=dword:8
;
------End cut & paste here------
Restart/reboot Windows for this change to take effect.

* FIX: Refresh/reset (delete + rebuild) Explorer Icon Cache Database [IconCache.db + iconcache*.db] in Windows 7/newer:
http://www.thewindowsclub.com/rebuild-icon-clear-thumbnail-cache-windows-10/
http://www.thewindowsclub.com/rebuild-the-icon-cache-windows/
http://neosmart.net/wiki/clear-icons-cache/
http://www.windowscentral.com/how-reset-icon-cache-database-windows-10/
http://www.howtogeek.com/232779/how-to-rebuild-a-broken-icon-cache-in-windows-10/
http://appuals.com/rebuild-icon-cache-windows-11/
http://www.elevenforum.com/t/rebuild-icon-cache-in-windows-11.2049/
http://www.tenforums.com/tutorials/5645-rebuild-icon-cache-windows-10-a.html
File:
http://www.tenforums.com/attachments/tutorials/207993d1539300969-rebuild-icon-cache-windows-10-a-rebuild_icon_cache.bat
IconCache.db + iconcache*.db files reside in these local user directories/folders:
- %LocalAppData%\IconCache.db
- %UserProfile%\AppData\Local\IconCache.db
- %LocalAppData%\Microsoft\Windows\Explorer\iconcache*.db
- %UserProfile%\AppData\Local\Microsoft\Windows\Explorer\iconcache*.db
TIP:
****
Windows NTx built-in/default/pre-installed/preset machine/system (apply to all managed/registered users on the same machine/system) + local/user (apply only to current logged on/signed in user) environment variables used for target system/user directories/folders:
http://www.ss64.com/nt/syntax-variables.html
http://pureinfotech.com/list-environment-variables-windows-10/
http://www.computerhope.com/issues/ch000549.htm
- %LocalAppData% = usually %UserProfile%\AppData\Local [same as C:\Users\%UserName%\AppData\Local] OR %WinDir%\SYSTEM32\Config\SystemProfile\AppData\Local .
- %ProgramData% = usually C:\ProgramData .
- %ProgramFiles% = usually C:\Program Files [exists in Windows 32-bit (x86) + Windows 64-bit (x64)].
- %ProgramFiles(x86)% = usually C:\Program Files (x86) [exists only in Windows 64-bit (x64)].
- %SystemDrive% = usually C:\ root.
- %SystemRoot% = usually C:\WINDOWS [same as %WinDir%].
- %UserName% = your user name.
- %UserProfile% = usually C:\Users\%UserName% .
- %WinDir% = usually C:\WINDOWS [same as %SystemRoot%].
CAUTION:
****
Windows operating system (OS) integrity, proper functionality + correct operation *depend* on the *validity* of *all* these system variables!
INvalid/wrong parameters can render Windows INoperable or/and UNbootable, and you may have to reinstall from scratch or repair your operating system (OS), eventually using the original storage media containing Windows Setup files!
Some of these variables can be added/customized/deleted/modified by using a Control Panel (CP)/Windows Settings (WS) tool:
Run... [hold WinKey + press R] -> type this command
SystemPropertiesAdvanced.exe
-> press Enter -> Advanced tab -> Environment Variables... button -> edit variables -> highlight respective line -> Edit button -> change parameters -> OK -> OK.
View the list of all your Windows operating system (OS) environment variables from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SET
-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD

shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)
SET>C:\Windows_Environment_Variables.txt
-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Example of Windows Vista/newer list of relevant environment variables [replace all User_Name instances with your actual user name]:
----------snippity-snip----------
ALLUSERSPROFILE=C:\ProgramData
APPDATA=C:\Users\User_Name\AppData\Roaming [OR: APPDATA=C:\Windows\system32\config\systemprofile\AppData\Roaming]
CommonProgramFiles=C:\Program Files\Common Files
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files [exists only in Windows 64-bit (x64)]
CommonProgramW6432=C:\Program Files\Common Files
ComSpec=C:\Windows\system32\cmd.exe
DriverData=C:\Windows\System32\Drivers\DriverData
HOMEDRIVE=C:
HOMEPATH=\WINDOWS\SYSTEM32 [OR: HOMEPATH=\Users\User_Name]
LOCALAPPDATA=C:\Users\User_Name\AppData\Local [OR: LOCALAPPDATA=C:\Windows\system32\config\systemprofile\AppData\Local]
OS=Windows_NT
ProgramData=C:\ProgramData
ProgramFiles=C:\Program Files
ProgramFiles(x86)=C:\Program Files (x86) [exists only in Windows 64-bit (x64)]
ProgramW6432=C:\Program Files
PSModulePath=%ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\system32\WindowsPowerShell\v1.0\Modules
PUBLIC=C:\Users\Public
SystemDrive=C:
SystemRoot=C:\Windows
TEMP=C:\Users\User_Name\AppData\Local\Temp [OR: TEMP=C:\Windows\TEMP]
TMP=C:\Users\User_Name\AppData\Local\Temp [OR: TMP=C:\Windows\TEMP]
USERNAME=User_Name
USERPROFILE=C:\Users\User_Name [OR: USERPROFILE=C:\Windows\system32\config\systemprofile]
windir=C:\Windows
----------snippity-snip----------

* FIX: Turn OFF annoying/nagging "Your Windows 7 PC is out of support" (full screen) pop-ups in Windows 7 with Service Pack 1 (SP1) + certain Microsoft Updates [example: KB4530734] installed:
http://nolabnoparty.com/en/windows-7-suppress-pc-is-out-of-support-warning/
http://www.askvg.com/tip-disable-your-windows-7-pc-is-out-of-support-full-screen-banner/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\EOSNotify]
"DiscontinueEOS"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\EOSNotify]
"DiscontinueEOS"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\EOSNotify]
"DiscontinueEOS"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Image File Execution Options\EOSnotify.exe]
"Debugger"="systray.exe"
;
------End cut & paste here------

* FIX: Detect/diagnose/repair/troubleshoot internet/network connection errors using Windows Network Diagnostics, a.k.a. Diagnostics Troubleshooting Wizard, a.k.a. DiagWizard, a.k.a. Microsoft Support Diagnostic Tool [MSDT.EXE] in Windows 7/newer:
http://learn.microsoft.com/windows-server/administration/windows-commands/msdt/
http://technet.microsoft.com/library/ee424379.aspx#available-troubleshooting-packs
http://www.elevenforum.com/t/run-troubleshooters-in-windows-11.3337/
http://www.thewindowsclub.com/how-to-run-a-troubleshooter-from-the-command-line-in-windows-10/
http://www.linksys.com/us/support-article?articleNum=135351
http://www.majorgeeks.com/content/page/how_to_use_the_microsoft_support_diagnostic_tool_system_diagnostic_report.html
Run MSDT.EXE from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
MSDT.EXE -id NetworkDiagnosticsWeb -ep SystemSettings_Troubleshoot_L2 -skip true -elevated yes
-> press Enter -> follow the instructions to diagnose + repair internet/network connection(s) errors.
Microsoft Support Diagnostic Tool [MSDT.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* FIX: Fix Windows 7/newer, Windows Server 2008 R2/newer + MS Office XP/newer Activation Errors 0x8007232b + 0xc004f074:
http://www.techyuga.com/windows-activation-error-0x8007232b/
http://www.serverbrain.org/system-administration/disabling-automatic-kms-to-dns-publishing.html
http://appuals.com/how-to-fix-office-2016-activation-error-code-0xc004f074/

http://winpeaker.com/en/windows/0xc004f074-office-activation-error-2010-2013-2016/
More info:
http://github.com/MicrosoftDocs/windowsserverdocs/issues/4218/
MS DOCs: Registry Settings for Volume Activation:
http://learn.microsoft.com/previous-versions/windows/it-pro/windows-server-2012-R2-and-2012/dn502532(v=ws.11)
MS DOCs: Key Management Service (KMS) Activation -> Configuring DNS:
http://technet.microsoft.com/library/ff793405.aspx
MS DOCs: Activate Windows 7/newer using Key Management Service (KMS):
http://learn.microsoft.com/windows/deployment/volume-activation/activate-using-key-management-service-vamt/
Wikipedia: Key Management Service (KMS):
http://simple.wikipedia.org/wiki/Key_Management_Service
Wikipedia: MS Office Versions:
http://en.wikipedia.org/wiki/History_of_Microsoft_Office
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; Windows 7/newer + Windows Server 2008 R2/newer:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\SoftwareProtectionPlatform]
"DisableDnsPublishing"=dword:1
; Windows XP/2003/Vista/2008 only:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\SL]
"DisableDnsPublishing"=dword:1
;
```

------End cut & paste here------

* Turn OFF/block/disable/stop your computer(s)/laptop(s)/portable(s) + connected/installed add-on(s)/device(s)/peripheral(s) "Location"/"Location Settings"/"Location Services" (geo)detection/(geo)location (sharing)/(geo)tracking/GPS (Global Positioning System)/sensor(s) + associated/corresponding app(lication)s/programs/software/tools in order to enhance/improve online/internet privacy, safety + security in Windows 7/newer:
http://winbuzzer.com/2020/07/14/windows-10-how-to-turn-on-or-turn-off-location-services-xcxwbt/
http://www.eventsentry.com/validationscripts/guid/902983b9-3aed-423a-971d-7c69668df490
FYI:
****
That is *unless* any of your accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, hardware, interactions, memberships, notifications, peripherals, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc depend on/need/require these options/preferences/settings being turned ON.
- Windows 10/11:
http://www.top-password.com/blog/enable-or-disable-location-services-in-windows-11/
http://www.anoopcnair.com/enable-disable-location-services-in-windows-11/
http://support.microsoft.com/windows/windows-location-service-and-privacy-3a8eee0a-5b0b-dc07-eede-2a5ca1c49088
Start button/icon/logo/menu/orb -> (Windows) Settings [WS] -> "Privacy & security" -> Location -> turn OFF "Let apps access your location".
In case "Location services is off" -> leave it alone.
- Windows 8/8.1:
http://www.isunshare.com/windows-8/allow-or-disallow-apps-to-use-my-location-in-windows-8-8.1.html
http://edwardlewis549.medium.com/how-to-change-and-disable-location-services-in-windows-8-c1144cdd8d47
A. Start button/icon/logo/menu/orb -> PC Settings -> Privacy -> turn OFF/slide left "Let apps use my location".
B. Start button/icon/logo/menu/orb -> Control Panel (CP) -> "Location Settings" -> UNcheck "Turn on the Windows location platform" box -> Apply button.
- Windows 7:
http://privacy.kaspersky.com/articles/operation-system-settings-windows7-medium/
Start button/icon/logo/menu/orb -> Control Panel (CP) OR Run... [hold WinKey + press R] -> type this command
CONTROL.EXE
-> press Enter -> "(Enable) Location and Other Sensors" -> UNcheck all "Device name..." (generic example) boxes (if more than 1) -> Apply/OK button.
All Windows 7/newer builds/editions/releases/versions:
http://admx.help/HKLM/Software/Policies/Microsoft/Windows/LocationAndSensors
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.AppPrivacy::LetAppsAccessLocation
- Turn OFF/block/disable/stop (geo)location + sensor(s) using the registry:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; Turn OFF/block/disable/stop (geo)location + sensor(s):
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\LocationAndSensors]
"DisableLocation"=dword:1
"DisableLocationScripting"=dword:1
"DisableSensors"=dword:1
"DisableWindowsLocationProvider"=dword:1
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Policies\Microsoft\Windows\LocationAndSensors]
"DisableLocation"=dword:1
```

```
"DisableLocationScripting"=dword:1
"DisableSensors"=dword:1
"DisableWindowsLocationProvider"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\AppPrivacy]
"LetAppsAccessLocation"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Policies\Microsoft\Windows\AppPrivacy]
"LetAppsAccessLocation"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\CapabilityAccessManager\ConsentStore\location]
"Allow"="off"
"Deny"="on"
;
------End cut & paste here------
- Turn ON/allow/enable/start (geo)location + sensor(s) using the registry:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
; Turn ON/allow/enable/start (geo)location + sensor(s):
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\LocationAndSensors]
"DisableLocation"=dword:0
"DisableLocationScripting"=dword:0
"DisableSensors"=dword:0
"DisableWindowsLocationProvider"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Policies\Microsoft\Windows\LocationAndSensors]
"DisableLocation"=dword:0
"DisableLocationScripting"=dword:0
"DisableSensors"=dword:0
"DisableWindowsLocationProvider"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\AppPrivacy]
"LetAppsAccessLocation"=dword:1
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Policies\Microsoft\Windows\AppPrivacy]
"LetAppsAccessLocation"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\CapabilityAccessManager\ConsentStore\location]
"Allow"="on"
"Deny"="off"
;
------End cut & paste here------

* Turn ON display of time seconds [00:00:??] in Taskbar Tray Clock in Windows 7/newer:
http://www.askvg.com/collection-of-windows-10-hidden-secret-registry-tweaks/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"ShowSecondsInSystemClock"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"ShowSecondsInSystemClock"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"ShowSecondsInSystemClock"=dword:1
;
------End cut & paste here------

* Delete/remove unnecessary/bloat files + directories/folders to free up space in Windows 7/newer:
http://www.techspot.com/guides/2240-windows-free-up-storage-space/
http://www.makeuseof.com/tag/delete-windows-files-folders/
http://www.houkconsulting.com/2019/07/freeing-disk-space-windows/

* Fix External Hard Disk Drive Not Recognized in Windows 7/newer:
http://www.stellarinfo.co.in/blog/how-to-fix-external-hard-disk-drive-not-recognized/

* Windows Desktop Gadgets (free):
http://gadgetsrevived.com/
http://win10gadgets.com/
http://win7gadgets.com/
http://www.gadgetskit.com/

* Create Scheduled Task to Run at Boot Time:
http://www.myboogpages.com/2009/02/how-to-create-a-scheduled-task-that-runs-at-boot-time.html

* Remove icon/link/shortcut arrow + UAC (User Account Control) shield overlay (+ add transparency) + pin them to
```

Taskbar/Start Menu in Windows 7/newer:
http://www.mydigitallife.info/workaround-to-remove-shortcut-arrow-make-transparent-in-windows-7-yet-can-pin-to-taskbar-or-start-menu/
http://www.winaero.com/remove-shortcut-arrow-overlay-in-windows-10/
http://superuser.com/questions/68345/
http://www.tenforums.com/tutorials/5645-rebuild-icon-cache-windows-10-a.html
http://windowsloop.com/remove-overlay-lock-icon-on-encrypted-files/
http://www.reddit.com/r/Windows10/comments/j4mr5y/
Winaero Tweaker 32-bit + 64-bit for Windows 7/newer adds/edits/modifies/removes, blocks/unblocks, customizes/tweaks, fixes/repairs, disables/enables appearance, apps, behavior, components, configuration, context/right-click, defects, desktop, display, features, flaws, functions, icons/items/links/shortcuts, inconsistencies, internet, limitations, menus, networking, operations, options, policies, preferences, programs, registry, restrictions, settings, services, start, startup, system, tasks, tools, UI (user interface), user, highly customizable [select Portable at install time!]:
http://www.winaero.com/winaero-tweaker/
Download:
http://www.winaero.com/download-winaero-tweaker/
File [Portable ZIP]:
http://www.winaero.com/downloads/winaerotweaker.zip
Winaero Tweaker Features:
http://www.winaero.com/the-list-of-winaero-tweaker-features/
Examples: customizes manufacturer/OEM/vendor info, removes icon overlay using transparent icon.

* Run BATch file as service:
http://www.serverfault.com/questions/226271/running-a-batch-file-as-a-system-service-in-windows-server-2003

* Windows 7 File Association Fixes:
http://www.winhelponline.com/blog/file-asso-fixes-for-windows-7/
http://www.winhelponline.com/blog/unassociate-file-types-windows-7-vista/
http://www.techsupportall.com/file-association-fixes/
http://www.techsupportall.com/file-association-fix-for-windows-7/
http://www.vistax64.com/threads/233243/

* Add programs (file associations) to right-click Open with... menu:
http://www.techrepublic.com/forums/discussions/using-open-with-does-not-work/

* Default Programs Editor (DPE) 32-bit adds/edits/removes right-click items, file associations, autoplay programs (apps):
http://www.defaultprogramseditor.com/
File:
http://www.defaultprogramseditor.com/files/DefaultProgramsEditor.zip
Requires Microsoft .NET Framework Redistributable (NFR) 3.5/newer:
http://www.mdgx.com/add.htm#NFR

* Fix Files/Folders Access Denied + other (similar) Errors:
http://support.microsoft.com/kb/2623670/
http://www.thewindowsclub.com/access-is-denied-software-installation-windows/
http://www.stackoverflow.com/questions/8619541/
http://smallbusiness.chron.com/change-permissions-system32-drivers-50434.html
http://www.blogsdna.com/2159/how-to-take-ownership-grant-permissions-to-access-files-folder-in-windows-7.htm

* Take Ownership + Grant Permission right-click items in Windows Vista/newer:
http://www.techfleece.com/2011/05/15/how-to-take-ownership-of-files-or-folders-or-an-entire-hard-drive/
http://www.blogsdna.com/2159/
http://www.howtogeek.com/howto/windows-vista/add-take-ownership-to-explorer-right-click-menu-in-vista/

* (Re)Gain/(re)acquire/restore full permissions (run as SYSTEM) to edit protected/hidden/read-only registry (sub)keys in Windows Vista/newer:
http://www.howtogeek.com/262464/how-to-gain-full-permissions-to-edit-protected-registry-keys/
Run the Registry Editor [RegEdit = %WinDir%\REGEDIT.EXE] with full SYSTEM level privileges to be able to view/create/edit/rename/delete hidden/locked registry (sub)keys/values:
1. NirCmd 32-bit + 64-bit multi-function DOS console command line + GUI tool:
http://www.nirsoft.net/utils/nircmd.html
NirCmd 32-bit:
http://www.nirsoft.net/utils/nircmd.zip
NirCmd 64-bit:
http://www.nirsoft.net/utils/nircmd-x64.zip
NirCmd Guide:
http://nircmd.nirsoft.net/
Help:
http://www.nirsoft.net/utils/nircmd2.html
Download ZIP archive above that matches your Windows NTx OS bit strength [32-bit (x86) or 64-bit (x64)] + then unZIP/extract NirCmd files.
2. Place (copy/move) all NirCmd files in a (sub)directory/(sub)folder of your choice (example):
C:\TOOLS\NirCmd
3. Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save file as REGEDIT.CMD (example) into the same (sub)directory/(sub)folder where NirCmd files reside (using C:\TOOLS\NirCmd from example above):
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST C:\TOOLS\NirCmd\nircmd.exe GOTO END
IF NOT EXIST %WinDir%\REGEDIT.EXE GOTO END
```

```
C:\TOOLS\NirCmd\nircmd.exe elevatecmd runassystem %WinDir%\REGEDIT.EXE
:END
EXIT
------End cut & paste here------
```
This way from now on you can run RegEdit with full SYSTEM privileges from a convenient shortcut.
4. Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text VBScript (.vbs) script file containing the lines between Cut & Paste delimiters below -> save file as REGEDIT.VBS (example) into the same (sub)directory/(sub)folder where NirCmd files reside (using C:\TOOLS\NirCmd from example above):
```
-----Begin cut & paste here-----
Dim WshShell:Set WshShell=CreateObject("WScript.Shell")
WshShell.Run chr(34)&"C:\TOOLS\NirCmd\REGEDIT.CMD"&Chr(34),0,true
Set WshShell=Nothing
------End cut & paste here------
```
5. Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save file as REGEDIT.REG (example) into the same (sub)directory/(sub)folder where NirCmd files reside (using C:\TOOLS\NirCmd from example above):
```
-----Begin cut & paste here-----
REGEDIT4
; Desktop right-click RegEdit as SYSTEM shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory\Background\shell\regedit_sys]
@="Registry Editor (RegEdit) = SYSTEM"
"SuppressionPolicy"=dword:0
"Icon"="REGEDIT.EXE,0"
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory\Background\shell\regedit_sys\command]
@="WSCRIPT.EXE /B /Nologo C:\\TOOLS\\NirCmd\\REGEDIT.VBS"
"IsolatedCommand"=-
; My Computer (machine/system wide/all users) Desktop RegEdit as SYSTEM shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{20D04FE0-3AEA-1069-A2D8-08002B30309D}\shell\regedit_sys]
@="Registry Editor (RegEdit) = SYSTEM"
"SuppressionPolicy"=dword:0
"Icon"="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{20D04FE0-3AEA-1069-A2D8-08002B30309D}\shell\regedit_sys\command]
@="WSCRIPT.EXE /B /Nologo C:\\TOOLS\\NirCmd\\REGEDIT.VBS"
"IsolatedCommand"=-
; My Computer (current logged on/signed in user) Desktop RegEdit as SYSTEM shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{59031A47-3F72-44A7-89C5-5595FE6B30EE}\shell\regedit_sys]
@="Registry Editor (RegEdit) = SYSTEM"
"SuppressionPolicy"=dword:0
"Icon"="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{59031A47-3F72-44A7-89C5-5595FE6B30EE}\shell\regedit_sys\command]
@="WSCRIPT.EXE /B /Nologo C:\\TOOLS\\NirCmd\\REGEDIT.VBS"
"IsolatedCommand"=-
; Desktop right-click RegEdit as Current User shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory\Background\shell\regedit]
@="Registry Editor (RegEdit) = Current User"
"SuppressionPolicy"=dword:0
"Icon"="REGEDIT.EXE,0"
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory\Background\shell\regedit\command]
@="REGEDIT.EXE"
"IsolatedCommand"=-
; My Computer (machine/system wide/all users) Desktop RegEdit as Current User shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{20D04FE0-3AEA-1069-A2D8-08002B30309D}\shell\regedit]
@="Registry Editor (RegEdit) = Current User"
"SuppressionPolicy"=dword:0
"Icon"="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{20D04FE0-3AEA-1069-A2D8-08002B30309D}\shell\regedit\command]
@="REGEDIT.EXE"
"IsolatedCommand"=-
; My Computer (current logged on/signed in user) Desktop RegEdit as Current User shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{59031A47-3F72-44A7-89C5-5595FE6B30EE}\shell\regedit]
@="Registry Editor (RegEdit) = Current User"
"SuppressionPolicy"=dword:0
"Icon"="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{59031A47-3F72-44A7-89C5-5595FE6B30EE}\shell\regedit\command]
@="REGEDIT.EXE"
"IsolatedCommand"=-
; Control Panel (CONTROL.EXE) RegEdit as SYSTEM shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b9}]
@="Registry Editor (RegEdit) = SYSTEM"
"InfoTip"="Starts Registry Editor (RegEdit) as SYSTEM"
"System.ControlPanel.Category"="5"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b9}\DefaultIcon]
@="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b9}\shell\open\command]
@="WSCRIPT.EXE /B /Nologo C:\\TOOLS\\NirCmd\\REGEDIT.VBS"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b9}\Elevation]
"Enabled"=dword:1
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\ControlPanel\NameSpace\{77708248-f839-436b-8919-527c410f48b9}]
@="Add Registry Editor (RegEdit) as SYSTEM to Control Panel"
; Control Panel (CONTROL.EXE) RegEdit as Current User shortcut:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b8}]
@="Registry Editor (RegEdit) = Current User"
"InfoTip"="Starts Registry Editor (RegEdit) as Current User"
"System.ControlPanel.Category"="5"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b8}\DefaultIcon]
@="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b8}\shell\open\command]
@="REGEDIT.EXE"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{77708248-f839-436b-8919-527c410f48b8}\Elevation]
"Enabled"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\ControlPanel\NameSpace\{77708248-f839-436b-8919-527c410f48b8}]
@="Add Registry Editor (RegEdit) as Current User to Control Panel"
;
------End cut & paste here------
6. Desktop/Explorer -> go to C:\ drive -> TOOLS directory/folder -> NirCmd subdirectory/subfolder (using C:\TOOLS\NirCmd in
this example) -> right-click on REGEDIT.REG -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import
the information into your registry.
7. From now on you can run either "Registry Editor (RegEdit) = SYSTEM" (privileged) or
"Registry Editor (RegEdit) as Current User" (default) shortcuts from all these locations:
- Desktop [shell context menu] -> right-click.
- My Computer (all managed/registered users on the same machine/system) [shell context menu] -> right-click.
- My Computer (current logged on/signed in user) [shell context menu] -> right-click.
- Control Panel (CP) [list of shortcuts] -> Start button/icon/logo/menu/orb -> Control Panel or Run... [hold WinKey + press
R] -> type this command
control.exe
-> press Enter.
Control Panel [CONTROL.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Turn OFF HomeGroup + Network Function Discovery (optional) in Windows 7/newer:
http://www.howtogeek.com/howto/27091/how-to-disable-or-enable-the-homegroup-feature-in-windows-7/
http://support.microsoft.com/kb/17145/
http://www.digitalcitizen.life/homegroup-feature-how-it-works/
http://www.howtogeek.com/9524/learning-windows-7-create-a-homegroup-join-a-new-computer-to-it/
CAUTION:
********
Disabling these services will turn OFF device/network/remote/shared files/folders/libraries sharing/printing features!
Disable these 2 HomeGroup services: HomeGroup Listener [HomeGroupListener] + HomeGroup Provider [HomeGroupProvider]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Disable HomeGroup Listener [HomeGroupListener] service:
ECHO Y|NET.EXE STOP HomeGroupListener
SC.EXE CONFIG HomeGroupListener START= disabled
:: Disable HomeGroup Provider [HomeGroupProvider] service:
ECHO Y|NET.EXE STOP HomeGroupProvider
SC.EXE CONFIG HomeGroupProvider START= disabled
:END
EXIT
------End cut & paste here------
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{B4FB3F98-C1EA-428d-A78A-D1F5659CBA93}]
"System.IsPinnedToNameSpaceTree"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Wow6432Node\CLSID\{B4FB3F98-C1EA-428d-A78A-D1F5659CBA93}]
"System.IsPinnedToNameSpaceTree"=dword:0
[HKEY_CURRENT_USER\Software\Classes\CLSID\{B4FB3F98-C1EA-428d-A78A-D1F5659CBA93}]
"System.IsPinnedToNameSpaceTree"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_CURRENT_USER\Software\Classes\Wow6432Node\CLSID\{B4FB3F98-C1EA-428d-A78A-D1F5659CBA93}]
"System.IsPinnedToNameSpaceTree"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\HomeGroup\SharingInProgress]
"SharingInProgress"=dword:0
```

```
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\HomeGroup]
"AlwaysStuffAlphaCreds"=dword:0
"ShareBannerCount"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\HomeGroupListener]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\HomeGroupListener]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\HomeGroupListener]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\HomeGroupProvider]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\HomeGroupProvider]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\HomeGroupProvider]
"Start"=dword:4
;
------End cut & paste here------
```

Turn OFF these 2 HomeGroup related Function Discovery services (optional): Function Discovery Provider Host [fdPHost] [%WinDir%\SYSTEM32\fdPHost.dll] + Function Discovery Resource Publication [FDResPub] [%WinDir%\SYSTEM32\fdrespub.dll]:
http://batcmd.com/windows/10/services/fdphost/
http://batcmd.com/windows/10/services/fdrespub/

TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Disable Function Discovery Provider Host [fdPHost] service:
ECHO Y|NET.EXE STOP fdPHost
SC.EXE CONFIG fdPHost START= disabled
:: Disable Function Discovery Resource Publication [FDResPub] service:
ECHO Y|NET.EXE STOP FDResPub
SC.EXE CONFIG FDResPub START= disabled
:END
EXIT
------End cut & paste here------
```

TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\fdPHost]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\fdPHost]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\fdPHost]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\FDResPub]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\FDResPub]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\FDResPub]
"Start"=dword:4
;
------End cut & paste here------
```

* Automatically install recommended drivers/updates for your hardware/devices:
http://support.microsoft.com/kb/15054/

* .MSI/.MSP/.MSU Installer (%WinDir%\SYSTEM32\MSIEXEC.EXE) Command Line Options:
http://learn.microsoft.com/windows/desktop/msi/command-line-options/
http://msdn.microsoft.com/library/aa367988.aspx
http://msdn.microsoft.com/library/aa372024.aspx
http://helpnet.installshield.com/installshield21helplib/helplibrary/IHelpCmdLineMSI.htm
http://www.silentinstall.org/msiexec/

* Remove Breadcrumbs Bar from Explorer in Windows 7/newer:
http://twigstechtips.blogspot.com/2010/02/win7-remove-windows-explorer.html
http://www.winaero.com/show-full-path-address-bar-windows-10-file-explorer/

* Windows XP/newer DOS console command (prompt) line, commands, command line tools + scripting:
http://learn.microsoft.com/windows-server/administration/windows-commands/windows-commands/
http://technet.microsoft.com/library/cc754340.aspx
http://learn.microsoft.com/windows-server/administration/windows-commands/cmd/
http://www.microsoft.com/download/details.aspx?id=56846
http://download.microsoft.com/download/5/8/9/58911986-D4AD-4695-BF63-F734CD4DF8F2/ws-commands.pdf

https://web.archive.org/web/20071014001728/http://technet2.microsoft.com:80/windowsserver/en/library/552ed70a-208d-48c4-8da8-2e27b530eac71033.mspx
http://www.bleepingcomputer.com/tutorials/windows-command-prompt-introduction/
http://www.ss64.com/nt/
http://www.ss64.com/nt/commands.html
http://www.ss64.com/nt/cmd.html
http://www.ss64.com/nt/run.html
http://www.ss64.com/nt/set.html
http://www.ss64.com/nt/setx.html
http://www.ionos.com/digitalguide/server/know-how/windows-cmd-commands/
http://www.bytescout.com/blog/windows-command-prompt-commands.html
http://www.robvanderwoude.com/
http://www.ccm.net/faq/403-command-prompts-for-windows/
http://www.lifewire.com/list-of-4092302/

* Link Directory IDentifier (LDID)/DIRectory IDentifier (DIRID)/Decentralized IDentifier (DID)/Globally Unique IDentifier (GUID)/Universaly Unique IDentifier (UUID) built-in/hard linked/encrypted 128-bit unique reference numbers used in Windows API (Application Programming Interface) to identify for example system, localized + user special directories/folders names/values in Windows 9x/NTx OSes (conventions used in INF/MSI installation/reference files/scripts, registry keys/values, API/NET programming, driver/hardware/internet/networking identification, etc):
http://learn.microsoft.com/dotnet/api/system.environment.specialfolder/
http://learn.microsoft.com/windows-hardware/drivers/install/using-dirids/
http://learn.microsoft.com/windows/win32/shell/knownfolderid/
http://learn.microsoft.com/windows/win32/shell/csidl/
http://w3c-ccg.github.io/did-primer/
http://guid.one/guid/
http://en.wikipedia.org/wiki/Decentralized_identifier
http://en.wikipedia.org/wiki/Universally_unique_identifier
Examples of System (all managed/registered users on the same machine/system) + User (only current logged on/signed in user) special directories/folders registry values [some are unique to specific Windows NTx OS builds/editions/releases/updates/versions]:
Desktop   {B4BFCC3A-DB2C-424C-B029-7FE99A87C641}
This PC   {0AC0837C-BBF8-452A-850D-79D08E667CA7}
Downloads   {374DE290-123F-4565-9164-39C4925E467B}
Documents   {FDD39AD0-238F-46AF-ADB4-6C85480369C7}
Local Downloads {7d83ee9b-2244-4e70-b1f5-5393042af1e4}
3D Objects   {31C0DD25-9439-4F12-BF41-7FF4EDA38722}
My Music   {4BD8D571-6D19-48D3-BE97-422220080E43}
Local Pictures {0ddd015d-b06c-45d5-8c4c-f59713854639}
My Pictures   {33E28130-4E1E-4676-835A-98395C3BC3BB}
Local Music   {a0c69a99-21c8-4671-8703-7934162fcf1d}
My Video   {18989B1D-99B5-455B-841C-AB7C74E4DDFC}
Personal   {FDD39AD0-238F-46AF-ADB4-6C85480369C7}
Local Documents {f42ee2d3-909f-4907-8871-4c22fc0bf756}
Local Videos   {35286a68-3c57-41a1-bbb1-0eae73d76c95}
MDGx "INF Setup files" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/add.htm#INF
MDGx "INF Guide" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/INF_web/
Value   Destination Directory/Folder
————————————————————————————

01   Source Drive_Letter:\Pathname = the directory the INF file is installed from
10   Windows directory = equivalent to %WinDir%
11   System directory = equivalent to %WinDir%\SYSTEM32 for NT based (NTx) OSes and to %WinDir%\SYSTEM for Windows 9x/ME
12   Drivers directory = equivalent to %WinDir%\SYSTEM32\DRIVERS for NT based (NTx) OSes and to %WinDir%\SYSTEM\IoSubsys on Windows 9x/ME
17   INF file directory
18   Help directory
20   Fonts directory
21   Viewers directory
23   Color directory (ICM) = not used for installing printer drivers
24   Root directory of the system disk = root directory of disk on which Windows files are installed = example: if DIRID 10 is C:\WINDOWS then DIRID 24 is C:\ root
25   Shared directory
30   Root directory of the boot disk known as "ARC system partition" for NT based (NTx) OSes = may or may not be same directory as the one represented by DIRID 24
50   System directory for NT based (NTx) OSes = equivalent to %WinDir%\system = NT based (NTx) OSes only
51   Spool directory = not used for installing printer drivers: see Printer DIRIDs
52   Spool drivers directory = not used for installing Printer drivers
53   User profile directory
54   Directory where ntldr.exe and osloader.exe are located = NT based (NTx) OSes only
55   Print processors directory = not used for installing Printer drivers
-1   Absolute path (hard link)
More info:
http://en.wikipedia.org/wiki/Hard_link
http://en.wikipedia.org/wiki/Symbolic_link#Microsoft_Windows
http://en.wikipedia.org/wiki/Symbolic_link#Shell_objects
DIRID values from 16384 through 32767 are reserved for special Shell Folders.
Examples of special directories/folders DIRID values and their correspondent locations:
http://learn.microsoft.com/dotnet/api/system.environment.specialfolder/
http://en.wikipedia.org/wiki/Special_folder#List_of_special_folders
http://www.nirsoft.net/articles/find_special_folder_location.html

http://livecode.fandom.com/wiki/SpecialFolderPath
http://commandwindows.com/windows7-shell-commands.htm
http://johnkoerner.com/csharp/special-folder-values-on-windows-versus-mac/
Value Shell Special Directory/Folder
————————————————————
16406 All Users\Start Menu
16407 All Users\Start Menu\Programs
16408 All Users\Start Menu\Programs\Startup
16409 All Users\Desktop
16415 All Users\Favorites
16419 All Users\Application Data
16422 Program Files
16425 %WinDir%\SYSTEM32 = valid for Win32 user mode applications running under Windows 32-bit/x86 on Windows 64-bit/x64 (WoW64)
16426 Program Files = valid for Win32 user mode applications running under Windows 64-bit/x64 (WoW64)
16427 Program Files\Common
16428 Program Files\Common = valid for Win32 user mode applications running under Windows 64-bit/x64 (WoW64)
16429 All Users\Templates
16430 All Users\Documents
See also "XP -> 7/8/8.1 Easy Transfer Files + Settings" chapter + "* List of System (all managed/registered users on the same machine/system) + User (only current logged on/signed in user) Shell Folders in Windows Vista/newer:" topic in WINDOWS7.TXT (this file) -> further below:
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf

* Turn ON Automatic Logon [AutoAdminLogon registry REG_SZ (String) value] for (default) admin(istrator)/main/principal user/owner/sysadmin + logon into your computer/device/portable automatically without the need for typing in your user name + password every time (enable passwordless function) in Windows 7/newer:
http://www.partitionwizard.com/clone-disk/disable-login-screen-windows-10.html
http://learn.microsoft.com/troubleshoot/windows-server/user-profiles-and-logon/turn-on-automatic-logon/
http://quicklaunch.ucworkspace.com/support/solutions/articles/3000053152/
http://www.tenforums.com/tutorials/3539-sign-user-account-automatically-windows-10-startup.html
http://www.tenforums.com/tutorials/138564-enable-disable-passwordless-sign-microsoft-accounts.html
http://www.winaero.com/enable-passwordless-sign-in-for-microsoft-accounts/
http://mashtips.com/set-auto-login-windows-10/
http://support.microsoft.com/kb/324737/
See also "BYPASS AUTOLOGON" topic in TIPS2000.TXT (included):
http://www.mdgx.com/2k1.htm#BAIW
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon]
"AutoAdminLogon"="1"
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Windows NT\CurrentVersion\Winlogon]
"AutoAdminLogon"="1"
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\PasswordLess\Device]
"DevicePasswordLessBuildVersion"=dword:2
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Windows NT\CurrentVersion\PasswordLess\Device]
"DevicePasswordLessBuildVersion"=dword:2
;
------End cut & paste here------
Autologon 32-bit + 64-bit GUI interface + DOS console command line (Autologon.exe 32-bit + Autologon64.exe 64-bit) tools automate/configure/enable/disable Windows built-in auto-logon for users with Administrator level credentials/privileges/rights:
http://learn.microsoft.com/sysinternals/downloads/autologon/
File:
http://download.sysinternals.com/files/AutoLogon.zip

* Turn OFF deprecated/obsolete Microsoft proprietary SMB (Server Message Block) 1.0 (SMB1) + CIFS (Common Internet File System) file sharing support network protocols (which are disabled by default in Windows 8/newer + Windows Server 2012/newer and replaced with newer SMB versions) due to (until recently!) unpatched security vulnerabilities in Windows 7/newer:
http://arstechnica.com/information-technology/2022/12/critical-windows-code-execution-vulnerability-went-undetected-until-now/
http://arstechnica.com/gadgets/2022/04/microsoft-enters-final-phase-of-disabling-smb1-file-sharing-in-windows-11/
http://learn.microsoft.com/windows-server/storage/file-server/troubleshoot/smbv1-not-installed-by-default-in-windows/
http://woshub.com/how-to-disable-smb-1-0-in-windows-10-server-2016/
http://en.wikipedia.org/wiki/Server_Message_Block
UPDATE:
List of all available Security Vulnerability Updates for all affected Windows NTx editions + versions:
http://msrc.microsoft.com/update-guide/vulnerability/CVE-2022-37958/#securityUpdates
Make sure all SMB1/CIFS protocols are disabled in Optional Windows Features Manager: Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> make sure it states "This task will be created with administrative privileges." -> type: OptionalFeatures.exe
-> press Enter -> scroll down to SMB 1.0/CIFS File Sharing Support -> click all [+] signs to open submenu list -> make sure to UNcheck all (3) square boxes -> click OK button.

Or in PowerShell: right-click PowerShell shortcut or C:\WINDOWS\System32\WindowsPowerShell\v1.0\PowerShell.exe [default location] -> Run as Administrator -> run 1 of these commands -> press Enter after each line:
Uninstall-WindowsFeature -Name FS-SMB1 -Remove
OR:
Disable-WindowsOptionalFeature -Online -FeatureName SMB1Protocol -Remove
Verify to make sure all SMB1 protocols are disabled: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
DISM.EXE /online /Get-Features /format:table | find "SMB1Protocol"
-> make sure all (4) messages show "Disabled".
DISM (Deployment Image Servicing and Management) [DISM.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Hide (currently) disabled/disconnected/empty/inactive/orphan/phantom/remote/removed/unavailable drives/partitions/volumes in Explorer, File Manager (FM) + 3rd party replacements/similar tools and turn OFF "Could not reconnect all network drives" notification:
http://www.sevenforums.com/tutorials/6969-drives-hide-show-empty-drives-computer-folder.html
http://www.tenforums.com/tutorials/145379-disable-could-not-reconnect-all-network-drives-notification-windows.html
http://www.winaero.com/blog/disable-could-not-reconnect-all-network-drives-notification-in-windows-10/
MDGx "Tweaked + Customized File Manager (FM) 32-bit" section in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#FMNT
Microsoft open source original File Manager (FM) 32-bit + 64-bit:
http://www.mdgx.com/xptoy.htm#FMMS
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"HideDrivesWithNoMedia"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"HideDrivesWithNoMedia"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"HideDrivesWithNoMedia"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NetworkProvider]
"RestoreConnection"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\NetworkProvider]
"RestoreConnection"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\NetworkProvider]
"RestoreConnection"=dword:0
;
```

------End cut & paste here------

* Show (previously) disabled/disconnected/empty/inactive/orphan/phantom/remote/removed/unavailable drives/partitions/volumes in Explorer, File Manager (FM) + 3rd party replacements/similar tools and turn ON "Could not reconnect all network drives" notification:
http://www.sevenforums.com/tutorials/6969-drives-hide-show-empty-drives-computer-folder.html
http://www.tenforums.com/tutorials/145379-disable-could-not-reconnect-all-network-drives-notification-windows.html
http://www.winaero.com/blog/disable-could-not-reconnect-all-network-drives-notification-in-windows-10/
MDGx "Tweaked + Customized File Manager (FM) 32-bit" section in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#FMNT
Microsoft open source original File Manager (FM) 32-bit + 64-bit:
http://www.mdgx.com/xptoy.htm#FMMS
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"HideDrivesWithNoMedia"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"HideDrivesWithNoMedia"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"HideDrivesWithNoMedia"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NetworkProvider]
"RestoreConnection"=-
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\NetworkProvider]
"RestoreConnection"=-
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\NetworkProvider]
"RestoreConnection"=-
;
```

------End cut & paste here------

* UNhide file/folder (directory)/protocol/shortcut/icon/link extensions in Windows NTx (examples):
http://www.winaero.com/blog/show-hide-file-extensions-windows-10/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Drive]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Folder]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\exefile]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\dllfile]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{450D8FBA-AD25-11D0-98A8-0800361B1103}]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{20D04FE0-3AEA-1069-A2D8-08002B30309D}]
"AlwaysShowExt"=""
"EditFlags"=hex:01
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{59031A47-3F72-44A7-89C5-5595FE6B30EE}]
"AlwaysShowExt"=""
"EditFlags"=hex:01
;
```
------End cut & paste here------

* Reorder files + directories/folders names alphabetically by their logical numeric value in Windows XP/newer:
http://www.tenforums.com/tutorials/91417-enable-disable-numerical-sorting-file-explorer-windows-10-a.html
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.WindowsExplorer::NoStrCmpLogical
https://web.archive.org/web/20150226105024/http://support.microsoft.com/kb/319827/
See "SYSTEM RESTRICTIONS" chapter in REGISTRY.TXT (included):
http://www.mdgx.com/newtip9.htm#RESTRICT
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoStrCmpLogical"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoStrCmpLogical"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoStrCmpLogical"=dword:1
;
```
------End cut & paste here------

* Turn OFF/ON all AutoPlay [+ Display/PlayBack] settings for all
active/available/configured/connected/installed/linked/local/networked/remote/removable logical/physical
cards/devices/discs/disks/media/sticks drives/partitions/volumes + apps/programs/software/services in Windows 7/newer:
http://www.top-password.com/blog/4-ways-to-disable-windows-10-autoplay/
http://www.winaero.com/disable-autoplay-for-all-drives-in-windows-10/
1. Control Panel (CP) or Windows Settings (WS):
- Windows 10/11 users:
Start button/icon/logo/menu/orb -> (Windows) Settings (WS) [gear icon] -> Devices -> AutoPlay.
OR: Run... [hold WinKey + press R] -> type this command:
EXPLORER.EXE ms-settings:autoplay
-> press Enter.
- Windows 7/8/8.1 users:
Start button/icon/logo/menu/orb -> Control Panel (CP) OR Run... [hold WinKey + press R] -> type this command:
CONTROL.EXE
-> press Enter -> All Control Panel Items -> AutoPlay.
OR: Run... [hold WinKey + press R] -> type this command:
CONTROL.EXE /name Microsoft.AutoPlay
-> press Enter.
Control Panel [CONTROL.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].

View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
All Windows 7/newer users: customize settings +/- turn OFF/ON AutoPlay according to your needs/preferences.
2. Turn OFF AutoPlay [+ Display/PlayBack] globally on your computer for all
active/available/configured/connected/installed/linked/local/networked/remote/removable logical/physical
cards/devices/discs/disks/media/sticks drives/partitions/volumes -> see "HIDE YOUR DRIVES!" topic in REGISTRY.TXT
(included):
http://www.mdgx.com/newtip14.htm#HW9XD
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoDriveTypeAutoRun"=dword:03ffffff
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoDriveTypeAutoRun"=dword:03ffffff
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoDriveTypeAutoRun"=dword:03ffffff
;
------End cut & paste here------
3. Turn OFF all AutoPlay [+ Display/PlayBack] settings for current (logged on/signed in) user + all other users (if more
than 1) using same computer/device/portable:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers]
"DisableAutoplay"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers]
"DisableAutoplay"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers]
"DisableAutoplay"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers]
@="MSTakeNoAction"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers\AutorunINFLegacyArrival]
@="MSTakeNoAction"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers\CameraAlternate]
@="MSTakeNoAction"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers\CameraAlternate\ShowPicturesOnArrival
]
@="MSTakeNoAction"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers\HandleBDBurningOnArrival]
@="MSTakeNoAction"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers\HandleCDBurningOnArrival]
@="MSTakeNoAction"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\EventHandlers\HandleDVDBurningOnArrival]
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[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\UserChosenExecuteHandlers\PlayVideoCDMovieOnArriv
al]
@="MSTakeNoAction"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\UserChosenExecuteHandlers\PlayVideoFilesOnArrival
]
@="MSTakeNoAction"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\UserChosenExecuteHandlers\ShowPicturesOnArrival]
@="MSTakeNoAction"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\UserChosenExecuteHandlers\StorageOnArrival]
@="MSTakeNoAction"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\UserChosenExecuteHandlers\WPD\ImageSource]
@="MSTakeNoAction"
;
------End cut & paste here------

* Turn OFF annoying boot/logon/startup/launch sounds in Windows 7/newer:
http://www.tenforums.com/tutorials/61302-turn-off-startup-sound-windows-10-a.html
Winaero Tweaker 32-bit + 64-bit for Windows 7/newer adds/edits/modifies/removes, blocks/unblocks, customizes/tweaks,
fixes/repairs, disables/enables appearance, apps, behavior, components, configuration, context/right-click, defects,
desktop, display, features, flaws, functions, icons/items/links/shortcuts, inconsistencies, internet, limitations, menus,
networking, operations, options, policies, preferences, programs, registry, restrictions, settings, services, start,
startup, system, tasks, tools, UI (user interface), user, highly customizable [select Portable at install time!]:
http://www.winaero.com/winaero-tweaker/
Download:
http://www.winaero.com/download-winaero-tweaker/
File [Portable ZIP]:
http://www.winaero.com/downloads/winaerotweaker.zip
Winaero Tweaker Features:
http://www.winaero.com/the-list-of-winaero-tweaker-features/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\BootAnimation]
"DisableStartupSound"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\BootAnimation]
"DisableStartupSound"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\BootAnimation]
"DisableStartupSound"=dword:1
;
------End cut & paste here------

* Turn OFF *all* annoying Desktop/Explorer/system/event/notification/app/program/scheduled task + boot/logon/startup/launch
sounds + rename/delete/disable the "Media" directory/folder in Windows 7/newer:
http://www.howtogeek.com/howto/windows-vista/turn-off-windows-explorer-click-sounds-in-windows-vista/
http://www.eightforums.com/threads/delete-windows-7-sound-schemes.79731/
http://freewindowsvistatutorials.com/whereIsSoundFolderLocationSystemSoundsMediaInWindows7.php
1. 1st backup these 2 registry subkeys + save them as REG files (see examples below): HKCU (Current User) "AppEvents" + HKU
.DEFAULT (Default User) "AppEvents": right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press
Enter after each line (example):
REG.EXE EXPORT "HKCU\AppEvents" HKCU_AppEvents.reg /y
REG.EXE EXPORT "HKU\.DEFAULT\AppEvents" HKU_DEF_AppEvents.reg /y
To restore original sounds events from registry files above (assuming you're running them from within their location,
otherwise you must add full path: drive letter + directory/folder name in front of them): right-click CMD shortcut/CMD.EXE ->
Run as Administrator -> run these commands -> press Enter after each line (example):
REG.EXE IMPORT HKCU_AppEvents.reg /y
REG.EXE IMPORT HKU_DEF_AppEvents.reg /y
2. Run Registry file below:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[-HKEY_CURRENT_USER\AppEvents]
[-HKEY_USERS\.DEFAULT\AppEvents]
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\BootAnimation]
"DisableStartupSound"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\BootAnimation]
"DisableStartupSound"=dword:1

[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\BootAnimation]
"DisableStartupSound"=dword:1
;
------End cut & paste here------
3. Optional: if you plan never to use any Windows system events sounds in the future, you can safely rename or delete (to save a little bit of space) [but back it up 1st!] the "Media" Windows subfolder which holds all Windows sound files (.mid, .rmi, .wav): right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (example):
- to rename it:
TAKEOWN.EXE /f "%WinDir%\Media" /r /d y
ICACLS.EXE "%WinDir%\Media" /grant:R Everyone:F /t /c /q
TASKKILL.EXE /IM TrustedInstaller.exe /F /T
REN "%WinDir%\Media" "Media.BKP"
- to delete it:
TAKEOWN.EXE /f "%WinDir%\Media" /r /d y
ICACLS.EXE "%WinDir%\Media" /grant:R Everyone:F /t /c /q
TASKKILL.EXE /IM TrustedInstaller.exe /F /T
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%WinDir%\Media"
OR instead of RUNDLL32.EXE command above:
RMDIR /S /Q "%WinDir%\Media"
ICACLS.EXE:
http://www.ss64.com/nt/icacls.html
http://learn.microsoft.com/windows-server/administration/windows-commands/icacls/
http://adamtheautomator.com/icacls/
http://4sysops.com/archives/icacls-list-set-grant-remove-and-deny-permissions/
http://superuser.com/questions/1754096/
TAKEOWN.EXE:
http://www.ss64.com/nt/takeown.html
http://learn.microsoft.com/windows-server/administration/windows-commands/takeown/

* Turn OFF laptop/netbook/notebook/portable built-in touchpad (mouse-like pointer hardware device) when connecting/using bluetooth/external/USB/wireless mouse/pointing device in Windows 7/newer:
http://www.tenforums.com/tutorials/111633-disable-touchpad-when-mouse-connected-windows-10-a.html
http://answers.microsoft.com/en-us/windows/forum/all/how-to-disable-touchpad-when-connecting-the-mouse/5bbd5729-577f-474d-aca5-0900182f6367
http://www.makeuseof.com/ways-to-disable-touchpad-in-windows-10/
http://www.alphr.com/disable-touchpad-windows/
http://helpdeskgeek.com/windows-10/fix-cant-disable-touchpad-in-windows-10/
http://appuals.com/how-to-turn-off-touchpad-windows-10/
Your built-in touchpad Device Manager hardware device name may be different depending on brand + model.
Most touchpads are manufactured by ASUS, Elan, Intel, Precision, Synaptics (examples):
Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type
DevMgmt.msc
-> press Enter -> Device Manager -> Human Interface Devices OR Mice and other pointing devices -> HID-compliant mouse [-> General tab -> Location: -> on... should be 1 of the devices listed here] OR (Intel) I2C HID Device, or ASUS Precision Touchpad, or ELAN Touchpad, or ELAN Input Device, or Synaptics (SMBus) TouchPad, or Precision touchpad -> Driver tab -> Disable Device -> OK.
Device Manager MMC (Microsoft Management Console) snap-in control [DevMgmt.msc] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Elantech\Othersetting]
"DisableWhenDetectUSBMouse"=dword:1
[HKEY_CURRENT_USER\Software\Elantech\Othersetting]
"DisableWhenDetectUSBMouse"=dword:1
[HKEY_USERS\.DEFAULT\Elantech\Othersetting]
"DisableWhenDetectUSBMouse"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\PrecisionTouchPad]
"LeaveOnWithMouse"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\PrecisionTouchPad]
"LeaveOnWithMouse"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\PrecisionTouchPad]
"LeaveOnWithMouse"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\PrecisionTouchPad\Status]
"Enabled"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\PrecisionTouchPad\Status]
"Enabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\PrecisionTouchPad\Status]
"Enabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Synaptics\SynTPEnh]
"DisableIntPDFeature"=dword:33
[HKEY_CURRENT_USER\Software\Synaptics\SynTPEnh]
"DisableIntPDFeature"=dword:33
[HKEY_USERS\.DEFAULT\Software\Synaptics\SynTPEnh]
"DisableIntPDFeature"=dword:33
;
------End cut & paste here------

Touchpad Blocker prevents accidental clicks + key presses on laptops/notebooks/portables equipped with touchpads by automatically blocking mouse events:
http://www.softpedia.com/get/Desktop-Enhancements/Other-Desktop-Enhancements/Touchpad-Blocker.shtml
File:
http://www.majorgeeks.com/files/details/touchpad_blocker.html
Similar Tools:
http://www.raymond.cc/blog/touchfreeze-disables-laptop-touchpad-when-typing/
http://www.geckoandfly.com/7011/how-to-disable-your-acer-dell-hp-or-toshiba-laptops-touchpad-for-windows-and-ubuntu/

* Add app(lication)/EXEcutable (.exe)/program manifest support for all Windows Vista/newer builds/editions/releases/versions in order to improve/increase/optimize compatibility with (partially) compatible/supported and eventually incompatible/unsupported EXEcutables (.exe) built/coded/designed/programmed for different/older/previous Windows 9x/NTx operating systems (OSes):
http://learn.microsoft.com/windows/win32/sysinfo/targeting-your-application-at-windows-8-1/
http://learn.microsoft.com/windows/compatibility/application-executable-manifest/
http://learn.microsoft.com/windows/win32/sbscs/application-manifests/
http://learn.microsoft.com/windows/win32/win7appqual/compatibility---application-manifest/
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create (if absent) or edit/modify (if already present) the .manifest file correspondent to your .exe file, which must reside inside same directory/folder as your .exe file, and which should contain the lines between Cut & Paste delimiters below the opening "<assemblyIdentity ?????/>" or "<assembly ?????>" tag (if present), and above the closing "</assembly>" tag (if present) -> save it as plain text/ASCII file (Encode: -> ANSI) with the same file name to match your executable (.exe) file name, and followed by the manifest (.manifest) file extension (example): if executable (.exe) file is "winfile.exe", its corresponding manifest (.manifest) file must be "winfile.exe.manifest" (case insensitive):
-----Begin cut & paste here-----

```
<compatibility xmlns="urn:schemas-microsoft-com:compatibility.v1">
<application>
<!-- Windows 10/11 -->
<supportedOS Id="{8e0f7a12-bfb3-4fe8-b9a5-48fd50a15a9a}"/>
<!-- Windows 8.1 -->
<supportedOS Id="{1f676c76-80e1-4239-95bb-83d0f6d0da78}"/>
<!-- Windows 8 -->
<supportedOS Id="{4a2f28e3-53b9-4441-ba9c-d69d4a4a6e38}"/>
<!-- Windows 7 -->
<supportedOS Id="{35138b9a-5d96-4fbd-8e2d-a2440225f93a}"/>
<!-- Windows Vista -->
<supportedOS Id="{e2011457-1546-43c5-a5fe-008deee3d3f0}"/>
</application>
</compatibility>
```

------End cut & paste here------
In this example I have used MDGx Tweaked + Customized File Manager (FM = WINFILE.EXE) 32-bit:
http://www.mdgx.com/xptoy.htm#FMNT
More info:
http://www.mdgx.com/fmnt32/fmnt32.php
Go to this page
http://www.mdgx.com/fmnt32/
-> scroll all the way down to WINFILE.EXE.manifest -> right-click its URL/URI address/item/link/scheme/shortcut
http://www.mdgx.com/fmnt32/WINFILE.EXE.manifest
-> Save link as... -> go to your web browser Downloads tab/window -> if using Chromium/Chrome [or fork/variant] go to
chrome://downloads/
OR if using Firefox [or fork/variant] go to
about:downloads
-> click Keep (if prompted to do so) -> click Keep anyway (if prompted to do so) -> go to your Downloads directory/folder [default is %UserProfile%\Downloads or C:\Users\%UserName%\Downloads = where %UserName% is your user name] -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved WINFILE.EXE.manifest (this example).

* Configure/Install/Tweak Dark (Night) Mode [High Contrast] + Dark (Night) Mode [Theme Patchers] Themes in Windows 7/8/8.1:
http://www.makeuseof.com/tag/10-dark-windows-themes-skins-reduce-eye-strain/
http://www.deviantart.com/creativ-xtreme/gallery/?set=40540051&offset=16
http://www.deviantart.com/ezio/art/418541637
http://www.winaero.com/light-dark-theme-windows-10/
http://download.microsoft.com/download/1/5/4/154E922A-7744-4474-A95A-5BDC043CDBBE/LightDarkNickBoyer.themepack
Themes Patchers, Styles + Tools:
- UltraUXThemePatcher 32-bit + 64-bit for Windows XP/Vista/7/8/8.1/10/11 patches UX (User eXperience) Theme system files [uxtheme.dll, uxinit.dll, themeui.dll] to allow use of 3rd party/custom themes:
http://mhoefs.eu/software_uxtheme.php
UltraUXThemePatcher Guide:
http://setupgamer.info/how-to-install-custom-windows-10-themes-and-visual-styles-with-ultrauxthemepatcher/
UltraUXThemePatcher Tutorial:
http://www.tenforums.com/customization/76077-ultrauxthemepatcher-recover-black-grey-screen-windows-8-10-a.html
Windows 7/newer Themes:
http://www.majorgeeks.com/files/categories/themes.html
Windows 8/8.1 Themes:
http://www.deviantart.com/tag/windows8themes/
Windows 7 Themes:
http://www.deviantart.com/tag/windows7themes/
View + Remove All built-in Windows 10 Themes:
http://www.majorgeeks.com/content/page/how_to_view_and_remove_all_windows_10_themes.html
- SecureUxTheme for Windows 8.1/10 patches UX (User eXperience) Theme system files [uxtheme.dll, uxinit.dll, themeui.dll] to

allow use of 3rd party/custom themes:
http://github.com/namazso/SecureUxTheme/
Download:
http://github.com/namazso/SecureUxTheme/releases/latest/
SecureUxTheme Install Guide:
http://github.com/namazso/SecureUxTheme/wiki/Help:-Step-by-step-installing-SecureUxTheme-and-a-custom-theme/
Windows 7/newer Themes:
http://www.majorgeeks.com/files/categories/themes.html
Windows 8/8.1 Themes:
http://www.deviantart.com/tag/windows8themes/
View + Remove All built-in Windows 10 Themes:
http://www.majorgeeks.com/content/page/how_to_view_and_remove_all_windows_10_themes.html
- UxStyle for Windows 7/8/8.1/10 Preview:
http://www.uxstyle.com/
http://github.com/riverar/uxstyle/
UxStyle for Windows 8/8.1:
http://www.uxstyle.com/builds/UxStyle_sep23_x86_x64_possibly_bugged.zip
UxStyle for Windows 7/7 SP1:
http://www.uxstyle.com/builds/UxStyle_Core_jul13_bits.zip
Aero Theme for Windows 8/8.1:
http://simplexdesignsart.deviantart.com/art/Windows-Aero-536877982/
https://web.archive.org/web/20130402051457/http://xxinightxx.deviantart.com/art/Windows-7-Vs-REV-D-350491112/
File:
http://drive.google.com/uc?export=download&id=0B883uGPmNY72Sjk3dy1MTzBGVEE
https://web.archive.org/web/20130402051457/http://www.deviantart.com/download/350491112/windows_7_vs_rev_d_by_xxinightxx-d5so8o8.zip
Windows 8/8.1 Themes:
http://www.winaero.com/category/windows-8-themes/
- Open-Shell [Classic Shell fork] 32-bit + 64-bit Start Menu + button/icon/logo/orb, Explorer + IE enhancer, replacer,
supports custom skins, buttons/logos, highly customizable:
http://open-shell.github.io/Open-Shell-Menu/
ReadMe:
http://github.com/Open-Shell/Open-Shell-Menu/
Download:
http://github.com/Open-Shell/Open-Shell-Menu/releases/
Open-Shell Guides:
http://askleo.com/open-shell-regain-your-start-menu-in-windows-and-much-more/
http://www.techrepublic.com/article/how-to-use-open-shell-as-your-windows-10-start-menu/
Custom Start button/icon/logo/orb Tutorial:
http://coddec.github.io/Classic-Shell/www.classicshell.net/tutorials/buttontutorial.html
Custom Skin Tutorial:
http://coddec.github.io/Classic-Shell/www.classicshell.net/tutorials/skintutorial.html
Skins:
http://www.winaero.com/best-skins-for-classic-shells-start-menu/
http://www.classicshell.net/gallery/Start-Menu/skins/
http://www.classicshell.net/forum/viewforum.php?f=17
Start Buttons/Orbs:
http://www.classicshell.net/forum/viewforum.php?f=18
http://www.deviantart.com/w1ck3dmatt/art/Mega-Orb-Pack-150-start-orbs-259940654/
http://www.door2windows.com/customization/start-buttons/
Aero Glass mod [Windows 8/8.1 style UI] for Windows 8/newer:
https://web.archive.org/web/20220625201001/http://www.glass8.eu/
"If you only knew the power of the Dark Side" [Star Wars]... ;-/
http://www.youtube.com/watch?v=esEcwAWi6dk

* List of my all-time favorite + must-have tools [free(ware)]:
I use all these free(ware) programs + tools on all my computers + laptops (almost) every day for (too) many years: ;-/
- Thorium AVX2 (Chromium fork) 64-bit web browser:
http://www.mdgx.com/nettoys.htm#CHR
- Supermium (Chromium fork) 64-bit web browser:
http://www.mdgx.com/nettoys.htm#CHR
- X-Chromium (X-Launcher) Portable launcher:
http://www.winpenpack.com/en/download.php?view.1082
- Chromium/Chrome/X-Chromium/Thorium/Supermium Privacy, Safety + Security Extensions + (Java)Scripts:
http://www.mdgx.com/nettoys.htm#PRV
- r3dfox (Firefox fork) enhanced 64-bit web browser:
http://www.mdgx.com/nettoys.htm#MOZ
- Firefox Privacy, Safety + Security Add-ons + (Java)Scripts:
http://www.mdgx.com/nettoys.htm#PSF
- MDGx custom HOSTS file [frequently updated]:
http://www.mdgx.com/hosts.php
- 7-Zip 64-bit:
http://www.7-zip.org/
- Universal Extractor 2 (UniExtract2) 64-bit:
http://bioruebe.com/dev/uniextract/
- AutoRuns 64-bit:
http://learn.microsoft.com/sysinternals/downloads/autoruns/
- ServiWin 64-bit:
http://www.nirsoft.net/utils/serviwin.html
- NTFS Permissions Tools (NPT):
http://www.majorgeeks.com/files/details/ntfs_permissions_tools.html
- Default Programs Editor (DPE):
http://www.defaultprogramseditor.com/

- Classic Task Manager (TM) 64-bit:
http://www.winaero.com/how-to-restore-the-good-old-task-manager-in-windows-8/
- Open-Shell 64-bit:
http://open-shell.github.io/Open-Shell-Menu/
- 7+ Taskbar Tweaker (7TT) 64-bit:
http://ramensoftware.com/7-taskbar-tweaker/
- Winaero Tweaker 64-bit:
http://www.winaero.com/winaero-tweaker/
- Programmer's File Editor 32-bit (PFE32):
http://www.lancs.ac.uk/people/steveb/cpaap/pfe/
- IObit Unlocker:
http://www.iobit.com/iobit-unlocker.php
- grepWin 64-bit:
http://tools.stefankueng.com/grepWin.html
- T-Clock Redux 64-bit:
http://github.com/White-Tiger/T-Clock/
- TransparentMenu (TM):
http://www.moo0.com/software/TransparentMenu/
- TrayIcon:
http://www.mdgx.com/files/TI25.ZIP
- ClickOff:
http://johanneshuebner.com/quickcms/index.html%3Fde_downloads,2.html
- Wallpaper SlideShow LT:
http://www.gphotoshow.com/wallpaperss.htm
- MDGx File Manager (FM) 32-bit:
http://www.mdgx.com/xptoy.htm#FMNT
- Microsoft File Manager (FM) 64-bit:
http://www.mdgx.com/xptoy.htm#FMMS
- FreeCommander (FC) XE 32-bit:
http://www.freecommander.com/
- NexusFile:
http://www.xiles.app/
- NetMeter:
http://www.metal-machine.de/readerror/
- CurrPorts 64-bit:
http://www.nirsoft.net/utils/cports.html
- Network Activity Indicator (NAI) 64-bit:
http://www.itsamples.com/network-activity-indicator.html
- JPEGView 64-bit:
http://github.com/sylikc/jpegview/
- IrfanView 64-bit:
http://www.irfanview.com/
- Darktable 64-bit:
http://www.darktable.org/
- GIMP Portable 64-bit:
http://www.portableapps.com/apps/graphics_pictures/gimp_portable/
- XnView MP Portable 64-bit:
http://www.xnview.com/en/xnviewmp/#downloads
- IcoFX Portable:
http://www.portableapps.com/apps/graphics_pictures/icofx_portable/
- K-Lite Codec Pack (KLCP) Mega + Media Player Classic Home Cinema (MPC-HC) Lite 64-bit:
http://www.codecguide.com/download_k-lite_codec_pack_mega.htm
- MKVToolNix 64-bit:
http://www.mkvtoolnix.download/
- gMKVExtractGUI:
http://forum.doom9.org/showthread.php?t=170249
- HandBrake Portable 64-bit:
http://handbrake.fr/downloads.php
- Pazera Free Audio + Video Conversion Pack Portable 64-bit:
http://www.pazera-software.com/products/free-audio-video-pack/
- MKV Cutter:
http://www.videohelp.com/software/MKV-Cutter
- FFmpeg 64-bit:
http://www.ffmpeg.org/download.html#build-windows
- foobar2000 64-bit:
http://www.foobar2000.org/
- WinMerge 64-bit:
http://www.winmerge.org/
- ReNamer 5.60:
http://files.fyxm.net/121/121773/renamer.zip
- Desktop Background Tuner (DBT) [from "Windows 8" folder]:
http://www.winaero.com/desktop-background-tuner/
- Swiss File Knife (SFK):
http://www.stahlworks.com/dev/swiss-file-knife.html
- NirCmd 64-bit:
http://www.nirsoft.net/utils/nircmd.html
- AdvancedRun 64-bit:
http://www.nirsoft.net/utils/advanced_run.html
- Calibre Portable 64-bit:
http://www.calibre-ebook.com/download_portable/
- Libre Office Portable:
http://www.portableapps.com/apps/office/libreoffice_portable/

- JDownloader2 (JD2):
http://www.jdownloader.org/
- Tixati Portable 64-bit:
http://www.tixati.com/download/portable.html
- FileZilla FTP Client 64-bit:
http://www.filezilla-project.org/
More like these [all text (.txt) files included]:
- MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" in TOOLS.TXT:
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
- MDGx "1000+ Windows NTx Power Toys + Tweaking Tools" in SOFTWARE.TXT:
http://www.mdgx.com/toy.htm
- MDGx "Windows NTx Internet Power Toys" in SOFTWARE.TXT:
http://www.mdgx.com/nettoys.htm
- MDGx "Free(ware) Windows NTx Extras" in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm
- MDGx "List of Digital Photography, Imaging + Video Tools for Windows NTx" in PHOTO.TXT:
http://www.mdgx.com/photo.php
http://www.mdgx.com/PHOTO.TXT

* MDGx "Group Policy Editor (GPE) fixes + tools (free)" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#GPO

* MDGx "Group Policy Editor (gpedit.msc) Guide" topic in RegGuide.txt (included):
http://www.mdgx.com/reg.htm#ADM

* Hidden, little known, UNcommon, UNconventional, UNdocumented, UNheard of, UNknown, UNofficial, useful, valuable appearance, console, interface, internet, networking, registry, services, software, system, tasks, etc guides, tips, tricks, hacks, tweaks to customize, enhance, fix, improve, maximize, optimize Windows 7 + Windows Server 2008 R2 configuration, features, options, settings, performance, properties, tools, etc + privacy, safety, security:
http://forums.mydigitallife.net/forums/mdl-projects-and-applications.34/
http://www.howtogeek.com/5391/175-windows-7-tweaks-tips-and-how-to-articles/
http://www.techradar.com/us/news/computing-components/643861/
http://www.thecustomizewindows.com/2011/08/windows-7-right-click-menu-tipstricks-and-tutorials-index/
http://www.howtogeek.com/77614/best-windows-7-start-menu-and-taskbar-tips-and-tricks/
http://www.edy.es/dev/docs/windows-tricks/
http://www.majorgeeks.com/files/details/majorgeeks_registry_tweaks.html
http://github.com/MajorGeek/MajorGeeks-Windows-Tweaks/
http://www.majorgeeks.com/mg/sortdate/majorgeeks_registry_batch_file_tweaks.html
http://www.sevenforums.com/customization/23122-remove-favorites-libraries-homegroup-my-folder-2.html
http://www.helpdeskgeek.com/how-to/disable-snap-assist-in-windows-7-8-10/
http://windowsreport.com/tag/network/
http://www.intowindows.com/category/windows-7-guides/
http://www.isoftspot.com/
http://www.thewindowsclub.com/
http://www.winaero.com/blog/category/windows-7/
http://www.winaero.com/
http://www.mydigitallife.info/
http://www.sevenforums.com/
http://www.door2windows.com/download/
http://www.howtogeek.com/
http://www.tweaks.com/windows-7/
http://www.tweakhound.com/tweaking-windows-7/
http://sourcedaddy.com/windows-7/
http://www.askvg.com/category/windows-seven/
http://www.askvg.com/master-tutorial-to-make-your-windows-7-super-fast/
http://www.askvg.com/collection-of-registry-tweaks-for-windows-7/
http://www.tweaks.com/
http://woshub.com/windows-7/
http://www.ghacks.net/category/windows/
http://www.blogsdna.com/
http://www.instantfundas.com/search/label/Windows%207
http://www.techdows.com/
http://www.techsupportalert.com/view/tips/
http://www.commandwindows.com/
http://sites.google.com/site/helpwithpcssite/windows-7-tweaks/
http://sites.google.com/site/helpwithpcssite/windows-7-tweaks/windows-7-tips-tricks-and-secrets/
MDGx "Comprehensive Windows Registry Guide" in RegGuide.txt (included):
http://www.mdgx.com/reg.htm
http://www.mdgx.com/RegGuide.pdf
http://www.mdgx.com/RegGuide.txt
MDGx "200+ Ways To Hack Your Windows 9x/NTx Registry" in REGISTRY.TXT (included):
http://www.mdgx.com/reg.htm#RHC
NOTE:
Some of these hacks + tweaks apply also to Windows 8, 8.1, 10 + 11.
See also:
MDGx "Windows 10/11 Tweaks, Fixes, Guides, Downloads + Links" chapter in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
MDGx "Windows 8/8.1 Tweaks, Fixes, Guides, Downloads + Links" chapter in WINDOWS8.TXT (included):

http://www.mdgx.com/8.php
http://www.mdgx.com/WINDOWS8.TXT
http://www.mdgx.com/WINDOWS8.pdf
NOTE:
Some of these hacks + tweaks apply also to Windows 7.

* Windows 7 Transformation Packs + Themes:
http://winempyrean.net/category/shell-styles/
http://winempyrean.net/jarvis/
http://www.deviantart.com/#/art/Jarvis-Windows-7-Transformation-Pack-397222303

* Windows 7 Tutorials:
http://sites.google.com/a/rmprepusb.com/www/tutorials/
http://www.7tutorials.com/
http://unlockforus.blogspot.com/2008/11/tutorials.html
http://www.winhelponline.com/blog/
http://sector-seven.net/
http://www.technixupdate.com/tag/windows-7/

* Windows 7 system requirements:
http://support.microsoft.com/kb/10737/
http://en.wikipedia.org/wiki/Windows_7#System_requirements

* Coulda... Shoulda... Woulda...
Operating system (OS) core/interface/system features, functionality, operations, processes +/- programs/tools/games/etc abandoned/banned/cancelled/changed/deprecated/discontinued/limited/obsolete/reduced/removed/restricted by Microsoft in/from/out of Windows 7, and how to adapt/fix/port/repair/restore/upgrade, use better/similar, and/or work around/bring back/restore (some of) them:
- MS DOCs: Features and functionality removed in Windows client:
http://learn.microsoft.com/windows/whats-new/removed-features/
- MS DOCs: Deprecated features for Windows client:
http://learn.microsoft.com/windows/whats-new/deprecated-features/
- Wikipedia: List of features removed/missing in Windows 7:
http://en.wikipedia.org/wiki/List_of_features_removed_in_Windows_7
- MSFN: List of software that doesn't support Windows 7 [+ how to make them work]:
http://www.msfn.org/board/index.php?showtopic=181987
- Techulator: Disadvantages of Windows 7:
http://www.techulator.com/resources/3311-Disadvantages-windows.aspx
- OS Today: What are the disadvantages of Windows 7?:
http://ostoday.org/windows/quick-answer-what-are-the-disadvantages-of-windows-7.html
- Wikipedia: Criticism of Windows:
http://en.wikipedia.org/wiki/Criticism_of_Microsoft_Windows
- Wikipedia: Criticism of Microsoft:
http://en.wikipedia.org/wiki/Criticism_of_Microsoft
- MDGx Free(ware) "Win10/11 Block Tools (10_BLOCK)" -> 10_BLOCK.TXT (included):
http://www.mdgx.com/xptoy.htm#10BLK
http://www.mdgx.com/10BLK/10_BLOCK.php
http://www.mdgx.com/10BLK/10_BLOCK.TXT
- MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" [apps/programs, games, screen savers, tools/utilities] -> TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
- MDGx Free(ware) "1000+ Windows 9x/NTx Power Toys + Tweaking Tools" -> SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm
- MDGx "Free(ware) Windows NTx Extras" -> SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm
_____

Updates/(Hot)Fixes/Patches + Windows Update (WU)

* NOTE:
****
Microsoft Updates/Upgrades/Service Packs (SPs)/(Hot)Fixes/Patches/Drivers/etc listed here are for United States (US) English [en-US] language Windows NTx Operating Systems (OSes) 32-bit (x86) + 64-bit (x64) builds/editions/releases/versions.
Microsoft Windows Updates (WU) are available for all supported languages.
http://learn.microsoft.com/windows/win32/intl/national-language-support/
Microsoft Updates Catalog lists Windows Updates (WU) in all supported languages:
http://www.catalog.update.microsoft.com/search.aspx?q=Windows%207%20Update
More info:
http://www.science.co.il/language/Locale-codes.php
http://en.wikipedia.org/wiki/Internationalization_and_localization

* Must uninstall/remove Windows 7/7 SP1 Updates/Upgrades/(Hot)Fixes/Patches/etc which expose/render vulnerable your computer(s)/device(s) to:
- auditing,
- data/info/stats collection/logging,
- (diagnostic) tracking,

- fingerprinting,
- (geo)location detection/tracking,
- (geo)marketing,
- intrusion/invasion of privacy,
- "customer experience",
- personalized/targeted ad(vertisement)s/adware,
- profiling,
- promo(tion)s,
- spoofing,
- spying/spyware,
- surveillance,
- telemetry snooping ("phone home"),
- tracking,
- "offers",
- behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission upgrade to Windows 10 (GWX), among others:

http://www.mdgx.com/xptoy.htm#10BLK
http://github.com/keizerzilla/remove-windows7-telemetry/
http://github.com/nalal/Windows-Telemetry-Remover/
http://spreadprivacy.com/windows-7-privacy-tips/
https://web.archive.org/web/20180320070137/http://www.privacytools.io/#win10
http://gist.github.com/xvitaly/eafa75ed2cb79b3bd4e9/
http://www.addictivetips.com/windows-tips/a-complete-list-of-all-updates-you-should-uninstall-to-block-windows-10/
http://www.sevenforums.com/installation-setup/413301-reinstall-win7-what-updates-avoid-telemetry-winx-preparation-3.html
http://www.ghacks.net/2019/01/15/better-check-your-windows-7-pc-for-get-windows-10-gwx-traces/

Similar tools:

http://www.majorgeeks.com/mg/sortname/windows_10_fixes.html

July 2019 Windows 7 "security only" update installs telemetry snooping:

http://www.computerworld.com/article/3408496/new-windows-7-security-only-update-installs-telemetrysnooping-uh-feature.html

Block Telemetry in Windows 7/7 SP1 and 8.1:

http://www.ghacks.net/2017/02/11/blocking-telemetry-in-windows-7-and-8-1/

All Microsoft Updates/Upgrades/(Hot)Fixes/Patches/etc listed at the web sites above should be uninstalled (examples):

TIP:

Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer

http://www.mdgx.com/toy.htm#TXT

to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.

-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST %WinDir%\SYSTEM32\WUSA.EXE GOTO END
:: KB4507456: Security Only Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:4507456 /quiet /norestart
:: KB971033: Windows Activation Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:971033 /quiet /norestart
:: KB2952664: Get Windows 10 (GWX) Assistant:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:2952664 /quiet /norestart
:: KB2990214: Get Windows 10 (GWX):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:2990214 /quiet /norestart
:: KB3012973: Upgrade to Windows 10 Pro:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3012973 /quiet /norestart
:: KB3021917: Performance Improvements Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3021917 /quiet /norestart
:: KB3022345: Customer Experience and Diagnostic Telemetry Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3022345 /quiet /norestart
:: KB3035583: Get Windows 10 (GWX) App:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3035583 /quiet /norestart
:: KB3044374: Get Windows 10 (GWX) Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3044374 /quiet /norestart
:: KB3068708: Customer Experience and Diagnostic Telemetry Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3068708 /quiet /norestart
:: KB3075249: Telemetry Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3075249 /quiet /norestart
:: KB3080149: Customer Experience and Diagnostic Telemetry Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3080149 /quiet /norestart
:: KB3112343: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3112343 /quiet /norestart
:: KB3083711: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3083711 /quiet /norestart
:: KB3083325: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3083325 /quiet /norestart
:: KB3075853: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3075853 /quiet /norestart
:: KB3072318: OOBE Update to upgrade to Windows 10:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3072318 /quiet /norestart
:: KB3065988: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3065988 /quiet /norestart
:: KB3064683: OOBE Update to upgrade to Windows 10:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3064683 /quiet /norestart
:: KB3058168: Activate Windows 10 from Hosts Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3058168 /quiet /norestart
```

```
:: KB3050267: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3050267 /quiet /norestart
:: KB2976978: Compatibility Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:2976978 /quiet /norestart
:: KB2977759: Compatibility Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:2977759 /quiet /norestart
:: KB3081954: Work Folders Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3081954 /quiet /norestart
:: KB3123862: Upgrade Capability Update:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3123862 /quiet /norestart
:: KB3138612: Windows Update Client (WUC):
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3138612 /quiet /norestart
:: KB3172605: July 2016 Update Rollup:
START "Uninstalling BUGGY Update..." /B /WAIT WUSA.EXE /uninstall /KB:3172605 /quiet /norestart
TIMEOUT /T 5 /NOBREAK
:END
EXIT
------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
WUSA (Windows Update Standalone Installer) [WUSA.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder
[%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
TIMEOUT is 1 of the built-in Windows internal DOS console commands, an actual executable file does not exist.
http://learn.microsoft.com/windows-server/administration/windows-commands/timeout/
Type
TIMEOUT /?
-> press Enter to view its command line parameters.

* Block/disable/stop/turn OFF automatic/unattended
behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/unwanted/without your
approval/authorization/consent/knowledge/permission Microsoft Windows Updates (WU) in Windows 7/newer by using Windows
Update Blocker (WUB) 32-bit + 64-bit -> see "Turn OFF/Postpone/Block/Uninstall Windows Updates (WU)" chapter -> "* FIXes:"
section in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
Windows Update Blocker (WUB) [Wub.exe 32-bit + Wub_x64.exe 64-bit] for Windows XP/newer 32-bit (x86) + 64-bit (x64) allows
all users to block/disable/stop/turn OFF, and/or unblock/reenable/restart/turn back ON automatic/unattended
behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/unwanted/without your
approval/authorization/consent/knowledge/permission Microsoft Windows Updates (WU) service +
interconnected/interdependent/interrelated services [up to 25 services!] + program executables (.exe) which are very
complicated/hard/almost impossible to block/control/disable/manage/stop/turn OFF without performing complicated/time
consuming operations, cumbersome registry tweaks, or/and without dedicated 3rd party tools (like this one):
http://www.sordum.org/9470/
File [Portable ZIP]:
http://www.sordum.org/files/download/windows-update-blocker/Wub.zip
Screen shot:
http://www.sordum.org/wp-content/uploads/2020/10/windos_update_blocker_blocked.png
Windows Update (WU) Tools:
http://www.majorgeeks.com/mg/sortdate/windows_update.html

* Windows Updates (WU) Catalog, Listings + Guides:
- Windows 7/7 SP1 Updates Catalog:
http://www.catalog.update.microsoft.com/search.aspx?q=%22Windows%207%22
Download desired/needed Update(s)/Fix(es)/Patch(es) to your local disk/media/storage device -> right-click each
.CAB/.EXE/.MSI/.MSP/.MSU file -> Run as Administrator -> follow on screen instructions -> restart/reboot (if prompted).
- ERPMan's Windows 7 System Updates Page:
http://erpman1.tripod.com/win7upd.html
- ERPMan's Windows 7 X64 & Server 2008 R2 X64 System Updates:
http://erpman1.tripod.com/w7x64upd.html
- THFS: List of Windows 7 + 7 SP1 Updates/(Hot)Fixes/Patches:
http://thehotfixshare.net/board/?/search/&q=%22Windows%207%22&type=downloads_file
- SevenForums: Windows 7/7 SP1 News:
http://www.sevenforums.com/news/
- Microsoft Security Advisories + Bulletins:
http://learn.microsoft.com/security-updates/
- Install Manually Offline CAB (.cab), EXE (.exe) + MSU (.msu) Updates:
http://woshub.com/manually-install-cab-msu-updates-windows/
- Windows 7/7 SP1 Updates/(Hot)Fixes/Patches History:
http://support.microsoft.com/kb/4009469/
- Every Last Thing About Windows Update (WU) for Windows 7/newer:
http://www.makeuseof.com/tag/how-to-find-out-every-last-thing-about-windows-update/

* Windows 7/8/8.1/10 32-bit + 64-bit Updates disable Intel Broadwell + Haswell CPUs Meltdown/Spectre Variants "Branch target
injection vulnerability" errors/reboots after Intel CPU firmware update(s):
- MSKB KB4090007 Fix 32-bit + 64-bit for Windows 10/2016 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/4090007/
Microsoft Catalog Files for KB4090007 Update:
http://www.catalog.update.microsoft.com/search.aspx?q=KB4090007
```

- MSKB KB4078130 Fix 32-bit + 64-bit for Windows 7/2008 R2/8/20012/8.1/2012 R2/10/2016 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/4078130/
Microsoft Catalog File for KB4078130 Update:
http://www.catalog.update.microsoft.com/search.aspx?q=KB4078130
File:
http://download.windowsupdate.com/c/msdownload/update/software/crup/2018/01/kb4078130_b86f0bf2dc0866a0e117ed2d4a5302fab0493a7b.exe
Intel CPUs Updates:
http://newsroom.intel.com/news/intel-security-issue-update-addressing-reboot-issues/
Intel CPUs Info [PDF]:
http://newsroom.intel.com/wp-content/uploads/sites/11/2018/04/microcode-update-guidance.pdf
InSpectre for Windows 10/11 detects operating system (OS) ability to prevent Meltdown + Spectre vulnerability attacks against Intel Broadwell + Haswell CPUs + necessity of installing respective update(s):
http://www.grc.com/inspectre.htm
File:
http://www.grc.com/files/InSpectre.exe

* Non-Volatile Memory Express (NVMe) native Drivers for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/2990941/
- NVMe Drivers 64-bit for Windows 7 SP1 64-bit (x64) [7 MB]:
http://conduant.zendesk.com/hc/en-us/articles/217205998-PXIe-DM-4M-2-Windows-Driver/
http://pcsupport.lenovo.com/us/en/downloads/ds105871
- NVMe Drivers 32-bit for Windows 7 SP1 32-bit (x86) [6 MB]:
http://conduant.zendesk.com/hc/en-us/articles/217205998-PXIe-DM-4M-2-Windows-Driver/
http://pcsupport.lenovo.com/us/en/downloads/ds105871
NVMe Drivers:
http://nvmexpress.org/drivers/windowsdrivers/
More info:
http://www.win-raid.com/t29f25-Recommended-AHCI-RAID-and-NVMe-Drivers.html
NVMe:
http://en.wikipedia.org/wiki/NVM_Express

* Windows 7/newer hardware specific USB 3.0/3.1 Drivers [original + modded] for most popular computers, laptops, motherboards + USB cards, connectors, chipsets, controllers, devices, hubs, interfaces:
http://winraid.level1techs.com/t/outdated-usb-3-0-3-1-drivers-original-and-modded/30871
Abbreviated copy of web page above:
http://www.mdgx.com/files/Windows_7_USB_3x_Drivers.htm

* Required Windows 7 64-bit (x64) Updates for Thorium (hardware optimized Chromium fork) + Mercury (hardware optimized Firefox fork) 64-bit web browsers enhanced hardware + software compatibility/support:
http://thorium.rocks/win7
- Windows 7 SP1/2008 R2 64-bit (x64) Servicing Stack Update 2019 KB4490628:
http://support.microsoft.com/kb/4490628/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4490628+x64
- Windows 7 SP1/2008 R2 64-bit (x64) SHA-2 Code Signing Support Update 2019 KB4474419:
http://support.microsoft.com/kb/4474419/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4474419+x64
Thorium [Th90] (Chromium fork) 64-bit hardware optimized web browser for Windows 7/newer 64-bit (x64) based on Chromium code:
http://thorium.rocks/
- Thorium AVX repository:
http://github.com/Alex313031/Thorium-Win/
Thorium AVX latest build for Windows 10/11 [ZIP = full, Portable]:
http://github.com/Alex313031/Thorium-Win/releases/latest/
- Thorium AVX2 (+ 3D rendering + HD/VHD/UHD video playback) repository:
http://github.com/Alex313031/Thorium-Win/
Thorium AVX2 latest build for Windows 10/11 [ZIP = full, Portable]:
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium latest build for Windows 7/8/8.1 [ZIP = full, Portable]:
http://github.com/Alex313031/thorium-legacy/releases/latest/
Thorium Requirements:
- Multicore CPU: minimum Intel Core 2nd gen or AMD FX with built-in SSE4 (Streaming SIMD Extensions 4),
http://en.wikipedia.org/wiki/SSE4
AVX (Advanced Vector EXtensions)
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions
+ AES (Advanced Encryption Standard)
http://en.wikipedia.org/wiki/Advanced_Encryption_Standard
enhancements/multimedia extensions/instructions.
- Graphics video controller with 3D rendering + OpenGL capabilities.
Thorium Optimizations:
http://thorium.rocks/optimizations
Mercury [Hg80 (Hydrargyrum)] AVX (Firefox fork) 64-bit hardware optimized + improved privacy web browser for Windows 7/newer 64-bit (x64) based on Firefox code:
http://thorium.rocks/mercury
Mercury repository:
http://github.com/Alex313031/Mercury-Win7/
Mercury latest build [ZIP = full, Portable]:
http://github.com/Alex313031/Mercury-Win7/releases/latest/
Mercury Requirements:
- Multicore CPU: minimum Intel Core 2nd gen or AMD FX with built-in SSE4 (Streaming SIMD Extensions 4),
http://en.wikipedia.org/wiki/SSE4

AVX (Advanced Vector EXtensions)
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions
+ AES (Advanced Encryption Standard)
http://en.wikipedia.org/wiki/Advanced_Encryption_Standard
enhancements/multimedia extensions/instructions.
- Graphics video controller with 3D rendering + OpenGL capabilities.
Mercury Optimizations:
http://thorium.rocks/optimizations
Mercury Patches:
http://github.com/Alex313031/Mercury/blob/main/docs/PATCHES.md
Get a modern [see "Chromium + Chrome" topic in SOFTWARE.TXT (included)]
http://www.mdgx.com/nettoys.htm#CHR
and secure
http://www.mdgx.com/nettoys.htm#PRV
web browser.

* KB2729094 Segoe UI Symbol Font Update [SUISFU] 32-bit + 64-bit for Windows 7/7 SP1/2008 R2 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/KB2729094/
- SUISFU 32-bit for Windows 7/7 SP1 32-bit (x86):
http://www.microsoft.com/download/details.aspx?id=30521
- SUISFU 64-bit for Windows 7/7 SP1 64-bit (x64):
http://www.microsoft.com/download/details.aspx?id=30566
SUISFU corrects special characters display rendering,
http://en.wikipedia.org/wiki/Help:Special_characters#Windows_7
including Unicode emojis:
http://en.wikipedia.org/wiki/List_of_emojis

* Windows 7 SP1 Remote Desktop Protocol (RDP) Remote Desktop Services (RDS) Remote Code (BlueKeep cryptocurrency miner)
Vulnerability Fix 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://portal.msrc.microsoft.com/en-us/security-guidance/advisory/CVE-2019-0708
RDP/RDS Fixes:
http://www.catalog.update.microsoft.com/search.aspx?q=KB4499175
- RDP/RDS Fix 64-bit for Windows 7 SP1 64-bit (x64) [100 MB]:
http://download.windowsupdate.com/d/msdownload/update/software/secu/2019/05/windows6.1-kb4499175-
x64_3704acfff45ddf163d8049683d5a3b75e49b58cb.msu
- RDP/RDS Fix 32-bit for Windows 7 SP1 32-bit (x86) [73 MB]:
http://download.windowsupdate.com/d/msdownload/update/software/secu/2019/05/windows6.1-kb4499175-
x86_6f1319c32d5bc4caf2058ae8ff40789ab10bf41b.msu
More info:
http://support.microsoft.com/kb/4499175/
Prevent BlueKeep cryptocurrency miner worm -> update RDS (CVE-2019-0708):
http://msrc-blog.microsoft.com/2019/05/14/prevent-a-worm-by-updating-remote-desktop-services-cve-2019-0708/

* Windows 7 SP1 System Update Readiness (SUR) tool 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/947821/
- SUR 64-bit for Windows 7 SP1 64-bit (x64):
http://download.microsoft.com/download/E/8/D/E8DAA970-1036-447F-B5EA-716D4BA70EC5/Windows6.1-KB947821-v34-x64.msu
- SUR 32-bit for Windows 7 SP1 32-bit (x86):
http://download.microsoft.com/download/4/7/A/47A0F7B9-1F0F-41B0-AA42-00FD16337268/Windows6.1-KB947821-v34-x86.msu
Windows Update Errors in Windows Vista/2008/7 Fixed by System Update Readiness (SUR) tool:
http://support.microsoft.com/kb/947821/
Fix Windows Update Error 00009C48 in Windows 7:
http://www.sevenforums.com/windows-updates-activation/213912-i-cant-update-windows-due-windows-up-date-error-00009c48.html

* Windows 7 SP1 Servicing Stack Update (SSU) 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/3020369/
- SSU 64-bit for Windows 7 SP1 64-bit (x64) [10 MB]:
http://download.microsoft.com/download/5/D/0/5D0821EB-A92D-4CA2-9020-EC41D56B074F/Windows6.1-KB3020369-x64.msu
- SSU 32-bit for Windows 7 SP1 32-bit (x86) [8 MB]:
http://download.microsoft.com/download/C/0/8/C0823F43-BFE9-4147-9B0A-35769CBBE6B0/Windows6.1-KB3020369-x86.msu

* Windows 7 SP1 Monthly Rollup Update (MRU) 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/4093118/
- MRU 64-bit for Windows 7 SP1 64-bit (x64) [219 MB]:
http://download.windowsupdate.com/d/msdownload/update/software/secu/2018/04/windows6.1-kb4093118-
x64_5ea1778b896fcc764e0db8da7d094f62dc98d82f.msu
- MRU 32-bit for Windows 7 SP1 32-bit (x86) [131 MB]:
http://download.windowsupdate.com/c/msdownload/update/software/secu/2018/04/windows6.1-kb4093118-
x86_2bbb81cd98fb80623b7afa3dcb2da73f28322ea3.msu

* Windows 7 SP1 Security Monthly Quality Rollup (SMQR) 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/4503292/
SMQR Fixes:
http://www.catalog.update.microsoft.com/search.aspx?q=KB3033929
- SMQR 64-bit for Windows 7 SP1 64-bit (x64) [272 MB]:
http://catalog.s.download.windowsupdate.com/d/msdownload/update/software/secu/2019/06/windows6.1-kb4503292-
x64_a35bb4ea16d1d529fde9abfe8a0c16e9061f74cd.msu
- SMQR 32-bit for Windows 7 SP1 32-bit (x86) [27 MB]:
http://catalog.s.download.windowsupdate.com/d/msdownload/update/software/secu/2015/02/windows6.1-kb3033929-
x86_927e018113fe51250c57029635d46b89bf235920.msu

* Windows 7 SP1 Convenience Rollup Update (CRU) + VNIC.VBS VBScript 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit

(x64):
http://support.microsoft.com/kb/3125574/
- CRU 64-bit for Windows 7 SP1 64-bit (x64) [477 MB]:
http://download.windowsupdate.com/d/msdownload/update/software/updt/2016/05/windows6.1-kb3125574-v4-x64_2dafb1d203c8964239af3048b5dd4b1264cd93b9.msu
- CRU 32-bit for Windows 7 SP1 32-bit (x86) [317 MB]:
http://download.windowsupdate.com/d/msdownload/update/software/updt/2016/05/windows6.1-kb3125574-v4-x86_ba1ff5537312561795cc04db0b02fbb0a74b2cbd.msu

* Windows 7 SP1 Security Quality Rollups (SQR) 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://www.catalog.update.microsoft.com/search.aspx?q=Security+Quality+Rollup+Windows+7+SP1

* Windows 7 SP1 Stop Errors with Multiple CPUs TCPIP.SYS Hotfix 32-bit + 64-bit for Windows 7 SP1 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/2905412/
Hotfix [request links in e-mail]:
http://support.microsoft.com/hotfix/kbhotfix?kbnum=2905412&kbln=en-us
- TCPIP.SYS Hotfix 64-bit for Windows 7 SP1 64-bit (x64):
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix476701/7600/free/470223_intl_x64_zip.exe
- TCPIP.SYS Hotfix 32-bit for Windows 7 SP1 32-bit (x86):
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix476701/7600/free/470191_intl_i386_zip.exe
All TCPIP.SYS Hotfixes for Windows 2000/newer:
http://www.mskbfiles.com/tcpip.sys.php

* Windows 7 Stop Errors with Large SATA HDD MSAHCI.SYS Hotfix:
http://support.microsoft.com/kb/977178/
Hotfix [request links in e-mail]:
http://support.microsoft.com/hotfix/KBHotfix.aspx?kbnum=977178&kbln=en-us
- SATA HDD Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix306215/7600/free/404474_intl_x64_zip.exe
- SATA HDD Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix306215/7600/free/404472_intl_i386_zip.exe

* Windows 7 Registry Hive Ntkrnlpa.exe + Ntoskrnl.exe Hotfix:
http://support.microsoft.com/kb/983544/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/hotfix/kbhotfix?kbnum=983544&kbln=en-US
- Registry Hive Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix322114/7600/free/413807_intl_x64_zip.exe
- Registry Hive Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix322114/7600/free/413805_intl_i386_zip.exe

* Windows 7/8/8.1 DirectX 9.0c (DX9c)/10.0 (DX10)/11.x (DX11) 32-bit + 64-bit:
http://www.mdgx.com/dx.htm#DX9

* Windows 7 SP1 DirectX (DX) Graphics Update:
http://support.microsoft.com/kb/2028560/
- DX Graphics 64-bit:
http://download.microsoft.com/download/F/1/A/F1A02F0C-0F64-4E87-9BC1-EFA8CDE464FE/Windows6.1-KB2028560-v2-x64.msu
- DX Graphics 32-bit:
http://download.microsoft.com/download/9/7/6/976634BE-DC4D-4B7B-9567-209811D7AF14/Windows6.1-KB2028560-v2-x86.msu

* Windows 7 SP1 DirectX (DX) Direct3D (D3D) App Crash Full Screen Hotfix:
http://support.microsoft.com/kb/2400157/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/hotfix/kbhotfix?kbnum=2400157&kbln=en-US
- DX D3D Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix347381/7600/free/425610_intl_x64_zip.exe
- DX D3D Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix347381/7600/free/425608_intl_i386_zip.exe

* Windows 7 SP1 Performance and Functionality Update (FPU):
http://support.microsoft.com/kb/2454826/
- FPU 64-bit:
http://download.microsoft.com/download/D/B/D/DBD62263-2627-49CB-B675-AA1601EBE0BD/Windows6.1-KB2454826-v2-x64.msu
- FPU 32-bit:
http://download.microsoft.com/download/5/E/4/5E404378-9A5D-41AB-AFBA-1AC04F3B2A13/Windows6.1-KB2454826-v2-x86.msu

* FIX: Get back/restore Windows Help Viewer (WinHlp32), Windows Help (HLP) + Compiled HTML Help (CHM) functionality in Windows 7/newer -> see also MDGx "Restore/Update HTML Help (.CHM) + Windows Help (.HLP) Guides, Fixes + Tools" section in SOFTWARE.TXT (included):
http://www.mdgx.com/add.htm#HHU
ßUG:
****
In Windows Vista/newer you canNOT use HTML Help (.CHM) or Windows Help files (.CNT, .HLP) because Microsoft removed Windows Help 32-bit (WinHlp32.exe) from all these OSes. :-(
FIX:
****
Install Windows Help + CHM (Compiled HTML Help) functionality in Windows Vista/2008/7/8/8.1/2012:
- Microsoft Windows Help 32-bit (WinHlp32.exe) for Windows Vista/2008/7/8/8.1/2012 32-bit + 64-bit (English, right-click to save!):
http://support.microsoft.com/kb/917607/

- WinHlp32.exe for Windows 8.1 64-bit (x64) [920 KB]:
http://download.microsoft.com/download/A/C/9/AC90B7C6-2787-4D97-8A54-B9A1F8C69F81/Windows8.1-KB917607-x64.msu
- WinHlp32.exe for Windows 8.1 32-bit (x86) [725 KB]:
http://download.microsoft.com/download/A/C/9/AC90B7C6-2787-4D97-8A54-B9A1F8C69F81/Windows8.1-KB917607-x86.msu
- WinHlp32.exe for Windows 8 64-bit (x64) [898 KB]:
http://download.microsoft.com/download/2/0/0/200C7BAF-48D7-4C0A-9C12-088CBA3DB13B/Windows8-RT-KB917607-x64.msu
- WinHlp32.exe for Windows 8 32-bit (x86) [716 KB]:
http://download.microsoft.com/download/2/0/0/200C7BAF-48D7-4C0A-9C12-088CBA3DB13B/Windows8-RT-KB917607-x86.msu
- WinHlp32.exe for Windows 7 64-bit (x64) [702 KB]:
http://download.microsoft.com/download/9/A/8/9A8FCFAA-78A0-49F5-8C8E-4EAE185F515C/Windows6.1-KB917607-x64.msu
- WinHlp32.exe for Windows 7 32-bit (x86) [688 KB]:
http://download.microsoft.com/download/9/A/8/9A8FCFAA-78A0-49F5-8C8E-4EAE185F515C/Windows6.1-KB917607-x86.msu
- WinHlp32.exe for Windows 2008 R2 64-bit (x64) [703 KB]:
http://download.microsoft.com/download/C/7/B/C7BCBC8A-9575-4B17-914B-21A5CE349B78/Windows6.1-KB917607-x64.msu
- WinHlp32.exe for Windows 2008 64-bit (x64) [710 KB]:
http://download.microsoft.com/download/8/1/E/81E9F2F8-A902-4C5C-B930-D676C570764D/Windows6.0-KB917607-x64.msu
- WinHlp32.exe for Windows 2008 32-bit (x86) [696 KB]:
http://download.microsoft.com/download/8/1/e/81E9F2F8-A902-4C5C-B930-D676C570764D/Windows6.0-KB917607-x86.msu
- WinHlp32.exe for Windows Vista 64-bit (x64) [611 KB]:
http://download.microsoft.com/download/4/d/5/4d56f3c4-e65a-402b-826f-b87ef81fc31c/Windows6.0-KB917607-x64.msu
- WinHlp32.exe for Windows Vista 32-bit (x86) [601 KB]:
http://download.microsoft.com/download/4/d/5/4d56f3c4-e65a-402b-826f-b87ef81fc31c/Windows6.0-KB917607-x86.msu
Registry fixes necessary to enable WinHlp32.exe macros, Intranet access + CHM (Compiled HTML Help) XML, XSL, CSS, JPG + PNG functionality:
http://www.vistax64.com/tutorials/87497-help-support-vista.html
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; WinHelp32 Macro FIX for Windows Vista/2008/7/8/8.1/2012 32-bit (x86):
[HKEY_LOCAL_MACHINE\Software\Microsoft\WinHelp]
"AllowProgrammaticMacros"=dword:1
"AllowIntranetAccess"=dword:1
; WinHelp32 Macro FIX for Windows Vista/2008/7/8/8.1/2012 64-bit (x64):
[HKEY_LOCAL_MACHINE\Software\Wow6432Node\Microsoft\WinHelp]
"AllowProgrammaticMacros"=dword:1
"AllowIntranetAccess"=dword:1
; HTML Help (CHM) FIX: XML, XSL, CSS, JPG + PNG for Windows Vista/2008/7/8/8.1/2012:
[HKEY_LOCAL_MACHINE\Software\Classes\.xml]
@="xmlfile"
"Content Type"="text/xml"
"PerceivedType"="text"
[HKEY_LOCAL_MACHINE\Software\Classes\.xml\PersistentHandler]
@="{7E9D8D44-6926-426F-AA2B-217A819A5CCE}"
[HKEY_LOCAL_MACHINE\Software\Classes\.xsl]
@="xslfile"
"Content Type"="text/xml"
"PerceivedType"="text"
[HKEY_LOCAL_MACHINE\Software\Classes\.xsl\PersistentHandler]
@="{7E9D8D44-6926-426F-AA2B-217A819A5CCE}"
[HKEY_LOCAL_MACHINE\Software\Classes\.css]
@="CSSfile"
"Content Type"="text/css"
"PerceivedType"="text"
[HKEY_LOCAL_MACHINE\Software\Classes\.css\PersistentHandler]
@="{eec97550-47a9-11cf-b952-00aa0051fe20}"
[HKEY_LOCAL_MACHINE\Software\Classes\.png]
@="pngfile"
"PerceivedType"="image"
"Content Type"="image/png"
[HKEY_LOCAL_MACHINE\Software\Classes\.png\PersistentHandler]
@="{098f2470-bae0-11cd-b579-08002b30bfeb}"
[HKEY_LOCAL_MACHINE\Software\Classes\.jpg]
@="jpegfile"
"Content Type"="image/jpeg"
"PerceivedType"="image"
[HKEY_LOCAL_MACHINE\Software\Classes\.jpg\OpenWithProgids]
"jpegfile"=""
[HKEY_LOCAL_MACHINE\Software\Classes\.jpg\PersistentHandler]
@="{098f2470-bae0-11cd-b579-08002b30bfeb}"
;
```

------End cut & paste here------
Microsoft FixIt! WinHlp32.exe tools [English, right-click to save!]:
- Enable macros FixIt! after installing WinHlp32.exe [964 KB]:
https://web.archive.org/web/20160314054228if_/http://download.microsoft.com/download/7/9/5/7955FD19-CE75-477A-A2BE-3B3E8BD20A04/MicrosoftFixit50105.msi
- Unblock .HLP FixIt! after installing WinHlp32.exe [964 KB]:

https://web.archive.org/web/20170610234444if_/http://download.microsoft.com/download/6/9/F/69FB8CEB-90AA-49EC-ADA5-09EF2A1ACB12/MicrosoftFixit50237.msi
- Windows Update (WU) Error 80070422 .HLP FixIt! after installing WinHlp32.exe [1 MB]:
https://web.archive.org/web/20170503080905if_/http://download.microsoft.com/download/3/5/0/35062C9F-980C-455D-9652-82A4B30888D2/MicrosoftFixit50776.msi
Windows Help Viewer (WinHlp32) for Windows 10/11 restores Windows Help (HLP) + Compiled HTML Help (CHM) functionality:
http://raxsoft.com/raxccm/software_app.php?progid=13
Direct download [735 KB, freeware, right-click to save!]:
http://assets.raxsoft.com/bin/winhlp32/winhlp32.msi
More info:
http://www.askvg.com/how-to-open-help-files-hlp-in-windows-7-that-require-windows-help-program-winhlp32-exe/

* USBView (USBView.exe):
http://learn.microsoft.com/windows-hardware/drivers/debugger/usbview/
Available as part of Windows 10 SDK for Windows 7 SP1/8/8.1/10:
http://developer.microsoft.com/windows/downloads/windows-10-sdk/
SETUP ONLY:
http://download.microsoft.com/download/8/C/3/8C37C5CE-C6B9-4CC8-8B5F-149A9C976035/windowssdk/winsdksetup.exe
Requires Universal C Runtime Update for Windows 7 SP1/8/8.1:
http://support.microsoft.com/kb/2999226/
USBView.exe installed in:
- 64-bit Windows OS (x64):
C:\Program Files (x86)\Windows Kits\10\Debuggers
- 32-bit Windows OS (x86):
C:\Program Files\Windows Kits\10\Debuggers

* Windows 7 SP1/8/8.1 Universal C Runtime Update:
http://support.microsoft.com/kb/2999226/
- Windows 8.1 64-bit:
http://download.microsoft.com/download/9/6/F/96FD0525-3DDF-423D-8845-5F92F4A6883E/Windows8.1-KB2999226-x64.msu
- Windows 8.1 32-bit:
http://download.microsoft.com/download/E/4/6/E4694323-8290-4A08-82DB-81F2EB9452C2/Windows8.1-KB2999226-x86.msu
- Windows 7 SP1 64-bit:
http://download.microsoft.com/download/1/1/5/11565A9A-EA09-4F0A-A57E-520D5D138140/Windows6.1-KB2999226-x64.msu
- Windows 7 SP1 32-bit:
http://download.microsoft.com/download/4/F/E/4FE73868-5EDD-4B47-8B33-CE1BB7B2B16A/Windows6.1-KB2999226-x86.msu

* Windows 7 SP1 Platform Update (PU):
http://support.microsoft.com/kb/2670838/
- PU 64-bit:
http://download.microsoft.com/download/1/4/9/14936FE9-4D16-4019-A093-5E00182609EB/Windows6.1-KB2670838-x64.msu
- PU 32-bit:
http://download.microsoft.com/download/1/4/9/14936FE9-4D16-4019-A093-5E00182609EB/Windows6.1-KB2670838-x86.msu

* Windows 7 SP1 0x00000050 Stop Error after installing Platform Update (PU):
http://support.microsoft.com/kb/2834140/
- PU Error Fix 64-bit:
http://download.microsoft.com/download/5/A/5/5A548BFE-ADC5-414B-B6BD-E1EC27A8DD80/Windows6.1-KB2834140-v2-x64.msu
- PU Error Fix 32-bit:
http://download.microsoft.com/download/F/1/4/F1424AD7-F754-4B6E-B0DA-151C7CBAE859/Windows6.1-KB2834140-v2-x86.msu

* FixIt! Windows Installer MSI/MSU Errors:
http://support.microsoft.com/kb/2438651/
FixIt! problems that block programs from being installed/removed:
http://support.microsoft.com/kb/17588/
File:
http://download.microsoft.com/download/7/E/9/7E9188C0-2511-4B01-8B4E-0A641EC2F600/MicrosoftProgram_Install_and_Uninstall.meta.diagcab
Repair MSI (Windows Installer) Automated Scripts:
http://www.tweaking.com/content/page/repair_msi_windows_installer.html
File:
http://www.majorgeeks.com/files/details/tweaking_com_repair_msi_(windows_installer).html
Microsoft .NET Framework (NetFX) Repair Tool:
http://support.microsoft.com/kb/2698555/
Download:
http://www.microsoft.com/download/details.aspx?id=30135
File:
http://download.microsoft.com/download/2/B/D/2BDE5459-2225-48B8-830C-AE19CAF038F1/NetFxRepairTool.exe
FixIt! Windows Installer MSI/MSU Install Error 0x8007000D:
http://support.microsoft.com/kb/2230957/
File:
http://download.microsoft.com/download/B/3/2/B3259ACE-2BFC-47D3-9627-A21372C1D4B5/MicrosoftFixit50485.msi
Fatal Error 0x80070643: Failed to install .NET/MSI package:
http://www.google.com/search?q=Error+0x80070643%3A+Failed+to+install+MSI+package
http://stackoverflow.com/questions/41720158/
http://www.windows101tricks.com/fix-error-0x80070643-failed-to-install-msi-package/
http://social.msdn.microsoft.com/Forums/vstudio/14ccc37f-d70a-454d-bea2-a0244394ac5e/
http://blogs.msdn.microsoft.com/vsnetsetup/2014/10/
http://support.microsoft.com/kb/10164/
http://www.youtube.com/watch?v=0cBg_A5axNI

* FixIt! Disable "Test mode" message:
http://support.microsoft.com/kb/2509241/

File:
http://download.microsoft.com/download/C/7/9/C796E9A8-E2F2-4281-9A53-9BF67BB259FC/MicrosoftFixit50756.msi

* Windows 7 Computer Stops Responding Randomly Hotfix:
http://support.microsoft.com/kb/2265716/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/hotfix/kbhotfix?kbnum=2265716&kbln=en-us
File:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix322397/7600/free/417036_intl_i386_zip.exe

* Windows 7 SP1 Stop Error 0x00000050 in NTKRNLPA.EXE Hotfix:
http://support.microsoft.com/kb/2516405/
Hotfix [request links in e-mail]:
http://support.microsoft.com/hotfix/KBHotfix.aspx?kbnum=2516405&kbln=en-us
- NTKRNLPA.EXE Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix368160/7600/free/430477_intl_x64_zip.exe
- NTKRNLPA.EXE Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix368160/7600/free/430476_intl_i386_zip.exe

* Windows 7 32-bit Variable %UserDomain% not resolved Profprov.dll + Profsvc.dll Hotfix:
http://support.microsoft.com/kb/2664408/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/hotfix/kbhotfix?kbnum=2664408&kbln=en-us
File:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix397022/7600/free/444149_intl_i386_zip.exe

* Windows 7/7 SP1 ROBOCOPY.EXE incorrectly skips files Hotfix:
http://support.microsoft.com/kb/2680906/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/Hotfix/KbHotfix?kbnum=2680906&kbln=en-US
- ROBOCOPY.EXE Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix396879/7600/free/445248_intl_x64_zip.exe
- ROBOCOPY.EXE Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix396879/7600/free/445246_intl_i386_zip.exe

* Windows 7 Audiodg.exe Memory Leak Hotfix:
http://support.microsoft.com/kb/981013/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/Hotfix/KbHotfix?kbnum=981013&kbln=en-US
- Audiodg.exe Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix307914/7600/free/409416_intl_x64_zip.exe
- Audiodg.exe Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/WindowsServer%202008%20R2/sp1/Fix307914/7600/free/409414_intl_i386_zip.exe

* Windows 7/7 SP1 defective WaitToKillServiceTimeout Registry value Hotfix:
http://support.microsoft.com/kb/2549760/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/Hotfix/KbHotfix?kbnum=2549760&kbln=en-US
- WaitToKillServiceTimeout Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix367694/7600/free/435571_intl_x64_zip.exe
- WaitToKillServiceTimeout Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix367694/7600/free/435569_intl_i386_zip.exe

* Windows 7/7 SP1 slow Startup (ReadyBoot) with many Restore Points Hotfix:
http://support.microsoft.com/kb/2555428/
Hotfix [request links in e-mail]:
http://support.microsoft.com/en-us/Hotfix/KbHotfix?kbnum=2555428&kbln=en-US
- ReadyBoot Hotfix 64-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix368028/7600/free/433314_intl_x64_zip.exe
- ReadyBoot Hotfix 32-bit:
http://hotfixv4.trafficmanager.net/Windows%207/Windows%20Server2008%20R2%20SP1/sp2/Fix368028/7600/free/433313_intl_i386_zip.exe

* Windows 7/7 SP1 FSUTIL.EXE Hotfix/Update improves compatibility with Advanced Format Disk Drives (AFD):
http://support.microsoft.com/kb/982018/
Download:
http://www.catalog.update.microsoft.com/search.aspx?q=KB982018
- FSUTIL.EXE Hotfix 64-bit:
http://download.windowsupdate.com/msdownload/update/software/updt/2011/04/windows6.1-kb982018-v3-x64_7853a1c9c63611e17cd2c923704bf2e924bdfe7b.msu
- FSUTIL.EXE Hotfix 32-bit:
http://download.windowsupdate.com/msdownload/update/software/updt/2011/04/windows6.1-kb982018-v3-x86_b009d84249f14d4eaae7aa522be37c38dd83531b.msu

* Windows 7/7 SP1 "Explorer.exe Server Execution Failed" Error:
http://support.microsoft.com/kb/2444677/
- Hotfix 64-bit for Windows 7/7 SP1 64-bit (x64):
http://thehotfixshare.net/board/index.php?showtopic=15505
- Hotfix 32-bit for Windows 7/7 SP1 32-bit (x86):
http://thehotfixshare.net/board/index.php?showtopic=15506
Hotfix [request links in e-mail]:
http://support.microsoft.com/hotfix/kbhotfix?kbnum=2444677&kbln=en-us
Fix "Explorer.exe Server Execution Failed" Error in Windows 7/newer:

http://www.pcerror-fix.com/methods-repair-explorer-exe-server-execution-failed-windows-7-8-10/
http://support.microsoft.com/windows/fix-a-corrupted-user-profile-in-windows-1cf41c18-7ce3-12f9-8e1d-95896661c5c9
http://www.thewindowsclub.com/fix-explorer-exe-server-execution-failed-on-windows-7/
http://michlstechblog.info/blog/windows-explorer-exe-server-execution-failed/

* Windows 10 Universal C RunTime (UCRT) [KB3118401] 32-bit + 64-bit for Windows Vista/2008/7 SP1/8/8.1/2012 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/3118401/
UCRT all in one [ZIP archive]:
http://download.microsoft.com/download/3/1/1/311C06C1-F162-405C-B538-D9DC3A4007D1/WindowsUCRT.zip
Microsoft Update Catalog [UCRT KB3118401 separate files = MSU Installer]:
http://www.catalog.update.microsoft.com/search.aspx?q=3118401

* Microsoft PowerShell 32-bit + 64-bit cross-platform task automation, scripting language, configuration management framework (.NET compatible) + interactive shell command line interface for Windows XP/newer 32-bit (x86) + 64-bit (x64) (English, free, open source):
http://github.com/PowerShell/PowerShell/
- PowerShell 32-bit + 64-bit for Windows 7 SP1/newer 32-bit (x86) + 64-bit (x64) [20-100 MB]:
http://github.com/PowerShell/PowerShell/releases/
PowerShell Documentation:
http://learn.microsoft.com/powershell/
REQUIRED:
Windows 10 Universal C RunTime (UCRT) [KB3118401] 32-bit + 64-bit for Windows Vista/2008/7 SP1/8/8.1/2012 32-bit (x86) + 64-bit (x64):
http://support.microsoft.com/kb/3118401/
UCRT All in One [ZIP]:
http://download.microsoft.com/download/3/1/1/311C06C1-F162-405C-B538-D9DC3A4007D1/WindowsUCRT.zip
Microsoft Update Catalog [UCRT KB3118401 separate files = MSU Installer]:
http://www.catalog.update.microsoft.com/Search.aspx?q=3118401

* Extract files from .MSU installers and install them in automated mode:
http://blogs.msdn.microsoft.com/astebner/2008/03/11/knowledge-base-article-describing-how-to-extract-msu-files-and-automate-installing-them/
http://support.microsoft.com/kb/934307/
Extract .MSU contents (example):
EXPAND.EXE -f:* "Q000000.msu" %temp%\Q000000
Then use extracted file (.XML) to install .MSU by using Package Manager (PkgMgr.exe), after renaming .XML file if needed (example):
PKGMGR.EXE /n:%temp%\Q000000\Q000000.xml
Install .MSU directly using WUSA (Windows Update Standalone Installer) [WUSA.EXE] (example):
WUSA.EXE "Q000000.MSU" /quiet /norestart
WUSA (Windows Update Standalone Installer) [WUSA.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Toubleshoot: Missing Windows Installer Cache files:
http://www.thewindowsclub.com/missing-windows-installer-cache-files-rebuild

* Fix Windows 7/newer errors/problems generated by executables/programs that canNOT be installed or uninstalled:
http://support.microsoft.com/mats/Program_Install_and_Uninstall/
Troubleshooter:
http://download.microsoft.com/download/7/E/9/7E9188C0-2511-4B01-8B4E-0A641EC2F600/MicrosoftProgram_Install_and_Uninstall.meta.diagcab

* Microsoft FixIt! [DISCONTINUED!]:
http://support.microsoft.com/fixit/
Download ALL FixIt! Files:
http://support.microsoft.com/kb/2970908/
Portable Install [RECOMMENDED!]:
https://web.archive.org/web/20200414041622if_/http://download.microsoft.com/download/E/2/3/E237A32D-E0A9-4863-B864-9E820C1C6F9A/MicrosoftFixit-portable.exe

* FixIt! Disable Network Adapter Power Management setting:
http://support.microsoft.com/kb/2740020/
File:
http://download.microsoft.com/download/0/A/F/0AFE6980-A813-42DD-86EC-58BF7A6A7B1B/MicrosoftEasyFix55016.msi

* Troubleshoot Intel Network Adapters Power Management:
http://www.intel.com/content/www/us/en/support/articles/000005879/network-and-i-o/wireless-networking.html

* Stop Network Adapter from Getting Disabled in Windows 7:
http://www.addictivetips.com/windows-tips/stop-network-adapter-from-getting-disabled-in-windows-7/

* Turn ON/OFF + Enable/Disable/Restart/Reset Internet/Network Adapter/Connection/Interface/Profile using command line tools:
http://www.action1.com/kb/restarting-the-network-adapter-in-Windows.html
http://www.privateinternetaccess.com/forum/discussion/20296/torrenting-disconnect-s-my-internet/
http://stackoverflow.com/questions/19831023/

* Prevent Windows from Turning OFF USB Devices:
http://www.helpdeskgeek.com/how-to/prevent-windows-from-powering-off-usb-device/

* 5 Tools to Prevent Windows from Sleeping or Turning OFF the Display:
http://www.raymond.cc/blog/dont-sleep-prevent-windows-from-standby-shutdown-hibernate-and-restart/

* Keep Computer/Laptop Awake without Touching the Mouse or Keyboard:
http://www.technorms.com/41354/
Mouse Jiggler fakes mouse cursor movement to prevent power savings iddle detection triggers:
http://github.com/arkane-systems/mousejiggler/
Download:
http://github.com/arkane-systems/mousejiggler/releases/latest/
Requires Microsoft .NET Framework Redistributable (NFR) 2.0/newer:
http://www.mdgx.com/add.htm#NFR
Command:
MouseJiggle.exe -j -z -m
Coffee prevents standby/sleep during network/internet activity, changes power settings:
http://sourceforge.net/projects/coffee-sc/
Download:
http://sourceforge.net/projects/coffee-sc/files/

* Save/view/print list of installed Windows Updates (WU) from the command line:
http://www.rakhesh.com/windows/get-a-list-of-recently-installed-windows-updates-via-the-command-line/
Save updates list(s) to text file(s) (examples):
WMIC.EXE QFE>UPD_QFE.TXT
WMIC.EXE QFE LIST FULL>UPD_FULL.TXT
DISM.EXE /Online /Get-packages>UPD_LIST.TXT
DISM.EXE /Online /Get-Packages /Format:Table>UPD_TABLE.TXT
systeminfo.exe>UPD_INFO.TXT
View text file(s) using Notepad/similar/better free(ware) plain text/ASCII editor/viewer:
http://www.mdgx.com/toy.htm#TXT
DISM (Deployment Image Servicing and Management) [DISM.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
WMIC.exe executable is located in the %WinDir%\SYSTEM32\wbem directory/folder [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
WMIC (Windows Management Instrumentation Command):
http://learn.microsoft.com/windows/win32/wmisdk/wmic/
MS DOCs: WMIC - Take Command Line Control over WMI:
http://technet.microsoft.com/library/bb742610.aspx
Dedoimedo: WMIC - The Windows secret weapon:
http://www.dedoimedo.com/computers/windows-wmic.html
ComputerHope: WMIC:
http://www.computerhope.com/wmic.htm
Rob van der Woude: WMIC:
http://www.robvanderwoude.com/wmic.php
quux: WMIC Snippets:
http://quux.wiki.zoho.com/WMIC-Snippets.html
SS64: WMIC.EXE:
http://www.ss64.com/nt/wmic.html
Wikipedia: WMI:
http://en.wikipedia.org/wiki/Windows_Management_Instrumentation

* Uninstall Internet Explorer 9 (IE9):
http://support.microsoft.com/kb/2579295/
File:
http://support.microsoft.com/kb/2970908/
Internet Explorer (IE) Uninstall command line:
FORFILES.EXE /P %WinDir%\Servicing\Packages /M Microsoft-Windows-InternetExplorer-*9.*.mum /c "CMD /C ECHO Uninstalling package @fname && START /W pkgmgr /up:@fname /norestart"

* Install/Uninstall Internet Explorer 9 (IE9) in/from Windows 7:
http://windows.microsoft.com/en-US/windows7/how-do-i-install-or-uninstall-internet-explorer-9/

* Uninstall Internet Explorer 10 (IE10) + Reinstall Internet Explorer 9 (IE9) in Windows 7:
http://news.softpedia.com/news/How-to-Remove-IE10-and-Get-Back-to-IE9-on-Windows-7-308998.shtml

* Install/Uninstall Internet Explorer 10 (IE10) in/from Windows 7:
http://www.sevenforums.com/tutorials/282216-internet-explorer-10-install-uninstall-windows-7-a.html

* Searching, Downloading and Installing Updates:
http://msdn.microsoft.com/library/windows/desktop/aa387102.aspx
Searching, Downloading and Installing Specific Updates:
http://msdn.microsoft.com/library/windows/desktop/aa387101.aspx
Using the Windows Update Agent API:
http://msdn.microsoft.com/library/windows/desktop/aa387287.aspx
Using WUA to Scan for Updates Offline:

http://msdn.microsoft.com/library/windows/desktop/aa387290.aspx
MSKB: Error code 0x80000FFFF when using Windows Update or Microsoft Update:
http://support.microsoft.com/kb/946414/
MSKB: Latest version of Windows Update Agent (WUA):
http://support.microsoft.com/kb/949104/
MSKB: Unable to install Updates:
http://support.microsoft.com/kb/2509997/
SevenForums: Windows Update will not start:
http://www.sevenforums.com/windows-updates-activation/120431-windows-update-will-not-start.html#post1039097
SevenForums: Windows Update service not working:
http://www.sevenforums.com/windows-updates-activation/102472-windows-update-service-not-working.html
Fix WU:
http://www.softpedia.com/get/Tweak/System-Tweak/Fix-WU.shtml
MDGx "Windows Update Client (WUC) + Windows Update Agent (WUA)" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#WUC

* Enable Windows Updates (WU) in Windows 7/8/8.1:
http://support.microsoft.com/kb/4056895/
http://support.microsoft.com/kb/4056894/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\QualityCompat]
"cadca5fe-87d3-4b96-b7fb-a231484277cc"=dword:0
;
------End cut & paste here------

* Turn OFF/block/disable Windows Updates (WU), Windows Server Update Services (WSUS) + related Registry settings in Windows
7/newer + Windows Server 2008/newer:
http://support.microsoft.com/kb/328010/
http://github.com/vFense/vFenseAgent-win/wiki/Registry-keys-for-configuring-Automatic-Updates-&-WSUS/
http://www.smallvoid.com/article/winnt-automatic-updates-config.html
http://admx.help/HKLM/Software/Policies/Microsoft/WindowsStore
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\WindowsUpdate]
"DoNotConnectToWindowsUpdateInternetLocations"=dword:1
"AllowAutoWindowsUpdateDownloadOverMeteredNetwork"=dword:0
"BranchReadinessLevel"=dword:10
"ConfigureDeadlineForFeatureUpdates"=dword:1e
"ConfigureDeadlineForQualityUpdates"=dword:1e
"DeferFeatureUpdates"=dword:1
"DeferFeatureUpdatesPeriodInDays"=dword:16d
"DeferQualityUpdatesPeriodInDays"=dword:1e
"DeferQualityUpdates"=dword:1
"DeferUpgrade"=dword:1
"DeferUpgradePeriod"=dword:8
"DeferUpdatePeriod"=dword:4
"DisableOSUpgrade"=dword:1
"DisableWindowsUpdateAccess"=dword:1
"ElevateNonAdmins"=dword:1
"FlightCommitted"=dword:0
"FlightSettingsMaxPauseDays"=dword:99999999
"HideMCTLink"=dword:1
"InsiderProgramEnabled"=dword:0
"PauseDeferrals"=dword:1
"PauseFeatureUpdatesStartTime"="2015-05-05T05:05:05Z"
"PauseQualityUpdatesStartTime"="2015-05-05T05:05:05Z"
"PauseUpdatesExpiryTime"="2077-07-07T07:07:07Z"
"PauseFeatureUpdatesEndTime"="2077-07-07T07:07:07Z"
"PauseQualityUpdatesEndTime"="2077-07-07T07:07:07Z"
"RestartNotificationsAllowed"=dword:1
"TargetReleaseVersion"=dword:1
"TargetReleaseVersionInfo"=dword:0
"WUServer"="0.0.0.0"
"WUStatusServer"="0.0.0.0"
"UpdateServiceUrlAlternate"="0.0.0.0"
"ManagePreviewBuilds"=dword:1
"ManagePreviewBuildsPolicyValue"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\WindowsUpdate\AU]
"AutoInstallMinorUpdates"=dword:0

```
"NoAutoUpdate"=dword:1
"NoAutoRebootWithLoggedOnUsers"=dword:1
"NoAUAsDefaultShutdownOption"=dword:1
"RebootRelaunchTimeout"=dword:3
"RebootRelaunchTimeoutEnabled"=dword:1
"UseWUServer"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\WindowsUpdate\Auto Update]
"NextSqmReportTime"="0"
"NextFeaturedUpdatesNotificationTime"="0"
"EnableFeaturedSoftware"=dword:0
"FeaturedUpdatesNotificationSeqNum"=dword:0
"FeaturedUpdatesNotificationSeqNumGenTime"="0"
"SetupWizardLaunchTime"="0"
"ForcedReboot"=dword:0
"AUOptions"=dword:1
"ConfigVer"=dword:1
"BalloonTime"="0"
"ScheduledInstallDay"=dword:0
"ScheduledInstallTime"=dword:0
"IncludeRecommendedUpdates"=dword:0
"NextDetectionTime"="0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoWindowsUpdate"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoWindowsUpdate"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\WindowsUpdate\OSUpgrade]
"AllowOSUpgrade"=dword:0
"ReservationsAllowed"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\WindowsUpdate\OSUpgrade\State]
"OSUpgradeState"=dword:1
"OSUpgradeStateTimeStamp"="2015-05-05 05:05:05"
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\WindowsStore]
"DisableOSUpgrade"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\Setup\UpgradeNotification]
"UpgradeAvailable"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows Media Player]
"DisableAutoUpdate"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Internet Explorer\Infodelivery\Restrictions]
"NoUpdateCheck"=dword:1
;
------End cut & paste here------

* Turn OFF/block/disable Windows Updates (WU) EXEcutables (.exe) IN + OUT internet/network/remote
access/connections/queries/requests/traffic by creating custom Windows (Defender) Firewall [W(D)F] rules in Windows 7/newer:
http://www.tenforums.com/network-sharing/43084-how-block-multiple-exe-files-windows-firewall-3.html
These 4 app(lication)/program EXEcutables (.exe)
wuapp.exe
wuauclt.exe
WUDFHost.exe
wusa.exe
together with Windows Update (WU) Automatic Service [wuauserv] are responsible for downloading + installing (among others)
many bloat/insecure/undesired/unsafe/unwanted Windows Updates (WU) behind your back/forced/hidden/unauthorized/without your
approval/consent/knowledge/permission.
All 4 files above are located in the %WinDir%\SYSTEM32 directory/folder on Windows 32-bit (x86) OSes + also in the
%WinDir%\SysWOW64 directory/folder on Windows 64-bit (x64) OSes [%WinDir% = usually C:\WINDOWS].
You can block/disable/turn OFF both their IN (inbound) + OUT (outbound) internet/network/remote
access/connections/queries/requests/traffic by creating custom Windows (Defender) Firewall [W(D)F] rules.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: ALL Windows 7/newer 32-bit (x86) + 64-bit (x64) OSes:
NETSH.EXE advfirewall firewall add rule name="Block_wuapp_IN_32-bit" dir=in action=block program="C:\Windows\System32\wuapp.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wuapp_OUT_32-bit" dir=out action=block program="C:\Windows\System32\wuapp.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wuauclt_IN_32-bit" dir=in action=block program="C:\Windows\System32\wuauclt.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wuauclt_OUT_32-bit" dir=out action=block program="C:\Windows\System32\wuauclt.exe"
enable=yes
```

```
NETSH.EXE advfirewall firewall add rule name="Block_WUDFHost_IN_32-bit" dir=in action=block program="C:\Windows\System32\WUDFHost.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_WUDFHost_OUT_32-bit" dir=out action=block program="C:\Windows\System32\WUDFHost.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wusa_IN_32-bit" dir=in action=block program="C:\Windows\System32\wusa.exe" enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wusa_OUT_32-bit" dir=out action=block program="C:\Windows\System32\wusa.exe"
enable=yes
:: ONLY Windows 7/newer 64-bit (x64) OSes:
NETSH.EXE advfirewall firewall add rule name="Block_wuapp_IN_64-bit" dir=in action=block program="C:\Windows\SysWOW64\wuapp.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wuapp_OUT_64-bit" dir=out action=block program="C:\Windows\SysWOW64\wuapp.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wuauclt_IN_64-bit" dir=in action=block program="C:\Windows\SysWOW64\wuauclt.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wuauclt_OUT_64-bit" dir=out action=block program="C:\Windows\SysWOW64\wuauclt.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_WUDFHost_IN_64-bit" dir=in action=block program="C:\Windows\SysWOW64\WUDFHost.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_WUDFHost_OUT_64-bit" dir=out action=block program="C:\Windows\SysWOW64\WUDFHost.exe"
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wusa_IN_64-bit" dir=in action=block program="C:\Windows\SysWOW64\wusa.exe" enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_wusa_OUT_64-bit" dir=out action=block program="C:\Windows\SysWOW64\wusa.exe"
enable=yes
:END
EXIT
------End cut & paste here------
Network Shell (NetSh) [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
View all NetSh [NETSH.EXE] available command line options, switches + parameters:
NETSH.EXE /?

* Portable Update (PortUp):
http://www.portableupdate.com/
PortUp:
http://www.portableupdate.com/public/PortUp.zip
PortUp DOCumentation:
http://www.portableupdate.com/docs/documentation.aspx

* Microsoft Windows Updates (WU) server:
http://windowsupdate.microsoft.com/

* Windows Server Update Services (WSUS) Offline Update tool:
http://download.wsusoffline.net/

* Start (run) WuauServ (Windows Updates Automatic Service) and configure it to start only when needed (on demand):
ECHO Y|NET.EXE START wuauserv
SC.EXE CONFIG wuauserv START= demand
Stop (exit) WuauServ (if running):
ECHO Y|NET.EXE STOP wuauserv

* Run Windows Automatic Updates (WUA):
WUAPP.EXE
Run WUA from the command line:
http://morgansimonsen.com/2010/12/14/automatic-updates-client-command-line-parameters/
http://www.ss64.com/nt/wuauclt.html
WUAUCLT.EXE

* Repair/Reinstall Windows Update (WU):
http://www.winhelp.us/reinstall-windows-update.html
File:
http://www.winhelp.us/files/MicrosoftFixit50202.msi

* Fix WU Utility:
http://www.thewindowsclub.com/repair-fix-windows-updates-with-fix-wu-utility/
File:
http://www.thewindowsclub.com/downloads/Fix%20WU.zip

* FixIt! Windows Update (WU):
http://support.microsoft.com/mats/windows_update/
FixIt! WU PORTABLE:
http://download.microsoft.com/download/E/2/3/E237A32D-E0A9-4863-B864-9E820C1C6F9A/MicrosoftFixit-portable.exe
FixIt! WU ONLINE:
http://download.microsoft.com/download/F/2/2/F22D5FDB-59CD-4275-8C95-1BE17BF70B21/WindowsUpdateDiagnostic.diagcab

* Repair Windows 7 Update Issues:
http://www.dell.com/support/troubleshooting/us/en/19/KCS/KcsArticles/ArticleView?docid=404587

* Hide/Restore Hidden Windows Updates in Windows 7/8/8.1:
```

http://www.sevenforums.com/tutorials/24376-windows-update-hide-restore-hidden-updates.html

* Windows Hotfix Downloader (WHDownloader.exe) for Windows 7/8/8.1:
http://forums.mydigitallife.net/threads/whdownloader-support-and-chat.44645/
File:
http://www.majorgeeks.com/files/details/windows_hotfix_downloader.html

* Windows Updates Downloader (WUD):
http://www.windowsupdatesdownloader.com/
Files:
http://www.windowsupdatesdownloader.com/ProgramFiles.aspx
Updates List (ULZ):
http://www.windowsupdatesdownloader.com/UpdateLists.aspx

* Windows Update Checker (KUC):
http://windows-update-checker.com/
Files:
http://windows-update-checker.com/download/

* TheHotfixShare (THS) Windows Hotfixes:
http://www.thehotfixshare.net/board/?autocom=downloads
THS forum membership is free.
THS Language Neutral Windows 7 Hotfix Downloads:
http://www.thehotfixshare.net/board/?autocom=downloads&showcat=136

* FixWin for Windows Vista/7:
http://www.thewindowsclub.com/repair-fix-windows-7-vista-problems-with-fixwin-utility/
File:
http://www.thewindowsclub.com/downloads/FixWin.zip
Guide:
http://www.windowsvalley.com/download-fixwin-utility-reform-your-windows/

* System Update Readiness (SUR) + Deployment Image Servicing and Management (DISM) tool (DISM.EXE) repairs WU errors,
(re)installs + verifies updates/(hot)fixes/patches in Windows Vista/7/newer:
http://support.microsoft.com/kb/947821/
- DISM 64-bit for Windows 7 64-bit (x64):
http://www.microsoft.com/download/details.aspx?id=20858
File:
http://download.microsoft.com/download/E/8/D/E8DAA970-1036-447F-B5EA-716D4BA70EC5/Windows6.1-KB947821-v34-x64.msu
- DISM 32-bit for Windows 7 SP1 32-bit (x86):
http://www.microsoft.com/download/details.aspx?id=3132
File:
http://download.microsoft.com/download/4/7/A/47A0F7B9-1F0F-41B0-AA42-00FD16337268/Windows6.1-KB947821-v34-x86.msu
DISM (Deployment Image Servicing and Management) [DISM.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder
[%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Use DISM to fix Windows Update (WU) errors:
http://learn.microsoft.com/troubleshoot/windows-server/deployment/fix-windows-update-errors/
DISM command line options:
http://learn.microsoft.com/windows-hardware/manufacture/desktop/dism-global-options-for-command-line-syntax/
http://learn.microsoft.com/windows-hardware/manufacture/desktop/dism-operating-system-package-servicing-command-line-options/

* Turn OFF Internet File Association (Search web for unknown extension)
behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/unwanted/without your
approval/authorization/consent/knowledge/permission "feature" for safety purposes in Windows NTx:
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.InternetCommunicationManagement::ShellNoUseInternetOpenWith_2
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoInternetOpenWith"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoInternetOpenWith"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoInternetOpenWith"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System]
"NoInternetOpenWith"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\System]
"NoInternetOpenWith"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\System]
"NoInternetOpenWith"=dword:1
;
```

------End cut & paste here------

* Windows 7 Internet Explorer 9 (IE9) Core Fonts Blurred Text Fix:
http://support.microsoft.com/kb/2545698/
- IE9 Text Fix 64-bit:
http://download.microsoft.com/download/0/5/6/05675ADF-21AB-4476-8731-95182643D02C/Windows6.1-KB2545698-x64.msu
- IE9 Text Fix 32-bit:
http://download.microsoft.com/download/4/C/7/4C7D491B-6F78-4DB7-B87C-71777BF41E3F/Windows6.1-KB2545698-x86.msu

* Uninstall/Reinstall/Repair Internet Explorer (IE) [DISCONTINUED!] in Windows Vista/7/8/8.1/10:
http://learn.microsoft.com/troubleshoot/browsers/how-to-repair-or-reinstall-ie/
http://answers.microsoft.com/en-us/windows/forum/windows_7-windows_install-winsubother/windows-update-how-to-fix-some-settings-are/a5160e9d-21e8-4ecd-8218-6a6b88134748
1. Uninstall Internet Explorer (IE) from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run one of these commands (run the 2nd in case the 1st doesn't work) -> press Enter (after each line):
DISM.EXE /online /Disable-Feature /FeatureName:Internet-Explorer-Optional-amd64
FORFILES.EXE /P %WinDir%\servicing\Packages /M Microsoft-Windows-InternetExplorer-*11.*.mum /c "cmd.exe /c echo Uninstalling package @fname && start /w pkgmgr.exe /up:@fname /norestart"
DISM (Deployment Image Servicing and Management) [DISM.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
2. Reinstall Internet Explorer (IE) -> open Control Panel (CP)
CONTROL.EXE
-> Programs and Features -> Turn Windows features on or off -> Windows Features -> check Internet Explorer (11) box -> Apply/OK.

* Windows 7 Application Compatibility Update (ACU):
http://support.microsoft.com/kb/974332/
Windows 7 Application Compatibility List:
http://www.microsoft.com/download/details.aspx?id=2394
MDGx "Application Compatibility Toolkit (ACT)" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#ACT

* Windows 7 Service Pack 1 (SP1):
http://support.microsoft.com/kb/976932/
Windows 7 Service Pack 1 (SP1) Update:
http://support.microsoft.com/kb/2533552/
Windows 7 Service Pack 1 (SP1) Guide:
http://windows.microsoft.com/windows7sp1/
Windows 7 Service Pack 1 (SP1) Downloads:
http://www.catalog.update.microsoft.com/search.aspx?q=KB976932
- Windows 7 SP1 64-bit for Windows 7 64-bit (x64) [900 MB]:
http://download.windowsupdate.com/msdownload/update/software/svpk/2011/02/windows6.1-kb976932-x64_74865ef2562006e51d7f9333b4a8d45b7a749dab.exe
- Windows 7 SP1 Update 64-bit for Windows 7 SP1 64-bit (x64):
http://download.windowsupdate.com/msdownload/update/software/crup/2011/05/windows6.1-kb2533552-x64_0ba5ac38d4e1c9588a1e53ad390d23c1e4ecd04d.msu
- Windows 7 SP1 32-bit for Windows 7 32-bit (x86) [500 MB]:
http://download.windowsupdate.com/msdownload/update/software/svpk/2011/02/windows6.1-kb976932-x86_c3516bc5c9e69fee6d9ac4f981f5b95977a8a2fa.exe
- Windows 7 SP1 Update 32-bit for Windows 7 SP1 32-bit (x86):
http://download.windowsupdate.com/msdownload/update/software/crup/2011/05/windows6.1-kb2533552-x86_f2061d1c40b34f88efbe55adf6803d278aa67064.msu

* Microsoft Security Essentials (MSE):
http://www.microsoft.com/security_essentials/

* Windows 7 Review:
http://www.activewin.com/reviews/software/operating-sys/windows7/

* Windows 7 ISOs:
http://www.mydigitallife.info/2009/11/10/windows-7-iso-x86-and-x64-official-direct-download-links-ultimate-professional-and-home-premium/

* Windows NT Backup Restore Utility for Windows 7:
http://support.microsoft.com/kb/974674/
Hotfix [request links in e-mail]:
http://support.microsoft.com/hotfix/KBHotfix.aspx?kbnum=974674&kbln=en-us
http://www.microsoft.com/download/details.aspx?id=18924

* MDGx Windows 7/7 SP1 Components, Add-ons, Extras, (Hot)Fixes, Patches, Upgrades, Updates (all included):
- MDGx "Java Runtime Environment (JRE)" topic in SOFTWARE.TXT:
http://www.mdgx.com/add.htm#JAVA
- MDGx ".NET Framework Redistributable (NFR)" topic in SOFTWARE.TXT:
http://www.mdgx.com/add.htm#NFR
- MDGx "Visual Studio (VS) + Visual C++ (VC)" topic in SOFTWARE.TXT:
http://www.mdgx.com/add.htm#VS6
- MDGx "Windows Update Client (WUC) + Windows Update Agent (WUA)" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#WUC
- MDGx "Application Compatibility Toolkit (ACT)" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#ACT

- MDGx "Group Policy (GP)" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#GPO
- MDGx "File Manager (FM)" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#FMNT
- MDGx "Access Control Lists (ACL) + Ownership Tools" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#ACL
- MDGx "NTFS Alternate Data Streams (ADS)" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#ADS
- MDGx "Free(ware) Windows NTx Extras" topic in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm#2KXP
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Turn OFF/Remove Windows 7/8/8.1 Adware, Spyware, Security Flaws + Repair/Restore Privacy

* MDGx "Turn OFF/Remove Windows 10 Adware, Spyware, Security Flaws + Repair/Restore Privacy" chapter in WIN10.TXT
(included) for all Windows 10 + 11 users:
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf

* Turn OFF/block/disable/remove/stop/repair Windows 7/8/8.1 dangerous/insecure/unsafe,
undesirable/unnecessary/unneeded/unused/useless/unwanted, behind-your-back/disguised/forced/hidden/intrusive/invasive,
annoying/bloat/resources consuming, diagnostic tracking, telemetry ("phone home"), data collection/logging, customer
"experience", "offers", ad(ware)/fingerprinting/profiling/spyware/surveillance/tracking, privacy/safety/security
flaws/vulnerabilities:
- Fix Windows 7/8/8.1 privacy + disable spyware:
https://web.archive.org/web/20180323123837/http://fix10.isleaked.com/oldwindows.html
- Remove, Block and Prevent "Get Windows 10" (GWX) App for Enterprise Environments:
http://blogs.technet.com/b/charlesa_us/archive/2015/06/25/how-to-remove-block-and-prevent-quot-get-windows-10-quot-application-for-
corporate-environments.aspx
- Manage connections from Windows Operating System components to Microsoft services:
http://technet.microsoft.com/library/mt577208.aspx
- Disable Telemetry and Data Collection in Windows 7/8/8.1:
http://www.askvg.com/tip-disable-telemetry-and-data-collection-on-windows-7-and-8/
- Disable Remote Registry (RemoteRegistry) service:
http://www.techrepublic.com/article/solutionbase-disabling-windows-xps-remote-registry-service/
_____

Everything About The Infamous (Not So) Trusted Installer

Most of these tweaks apply to all Windows 7/newer builds/editions/releases/versions.

* Everything about TrustedInstaller:
****
Info, guides, fixes, workarounds + tweaks:
TrustedInstaller [TrustedInstaller.exe] executable is located in the %WinDir%\Servicing directory/folder [%WinDir% =
usually C:\WINDOWS] is Windows NTx [Vista/newer] Microsoft built-in user account [special "VIP" type user created by
Microsoft as "master overseer"] with privileged, above-admin, system-wide rights which performs automatic/unattended
behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/unwanted/without your
approval/authorization/consent/knowledge/permission functions/operations, for example: downloads, updates,
(re)installs/uninstalls, closes/executes/(re)starts/(re)schedules dynamic link libraries
(DLLs)/executables/services/tasks/scripts, modifies the Registry, system configuration files/scripts/tasks,
creates/copies/renames/modifies/moves/deletes files/folders, blocks/locks out the owner/administrators/legitimate
users/modifies/takes over files/folders ownership/permissions/attributes, reboots/restarts/shuts down Windows.
But you [as any logged in user with administrative rights ;-/] can "disguise"/"impersonate"/replace/substitute/switch as
different user, and run as TrustedInstaller in order to access/customize/modify/run any
disabled/forbidden/locked/unavailable Windows command, executable, file, directory/folder, function, process, registry
key/value, script, service, task, etc:
- Run Programs as TrustedInstaller to Write to Certain Registry Keys or Files:
http://www.winhelponline.com/blog/run-program-as-trustedinstaller-locked-registry-keys-files/
- Delete Files Protected by TrustedInstaller:
http://www.helpdeskgeek.com/windows-7/windows-7-how-to-delete-files-protected-by-trustedinstaller/
- TrustedInstaller Permission and CPU Fix:
http://howtoremove.guide/trustedinstaller-permission-cpu-fix-win7-win10/
- Execute programs as System/TrustedInstaller:
http://borncity.com/win/2017/02/22/windows-10-execute-programs-as-systemtrustedinstaller/
- The Art of Becoming TrustedInstaller:
http://www.tiraniddo.dev/2017/08/the-art-of-becoming-trustedinstaller.html
- Take ownership and get full access to files and directories/folders in Windows 10:
http://www.winaero.com/blog/how-to-take-ownership-and-get-full-access-to-files-and-folders-in-windows-10/
- What is TrustedInstaller.exe and should I remove it?:
http://windowsreport.com/what-is-trustedinstaller-exe/
- Get Permission from TrustedInstaller in Windows 7/newer:
http://www.partitionwizard.com/partitionmagic/you-require-permission-from-trustedinstaller.html

- TrustedInstaller Permission and CPU Fix:
http://howtoremove.guide/trustedinstaller-permission-cpu-fix-win7-win10/
- What Is TrustedInstaller? Why Does It Keep Me From Renaming Files?:
http://www.makeuseof.com/tag/what-is-trustedinstaller-and-why-does-it-keep-me-from-renaming-files/
- Fix: You require permission from trustedinstaller windows 10:
http://thegeekpage.com/fix-you-require-permission-from-trustedinstaller-windows-10/
- Windows 10 Home - Getting TrustedInstaller permission to edit and remove items:
http://answers.microsoft.com/en-us/windows/forum/windows_10-other_settings/windows-10-home-getting-trustedinstaller/6664a5f1-5c71-45fc-94be-805075db682a/
- COMPLETELY delete trustedinstaller:
http://social.technet.microsoft.com/forums/en-us/b6b1ee19-96a3-4b6a-b7af-166287c1b3c2/
- What is TrustedInstaller.exe in Windows 10/11?:
http://www.thewindowsclub.com/trustedinstaller-exe-windows-7/
- Restore TrustedInstaller ownership in Windows 10:
http://www.winaero.com/blog/how-to-restore-the-trustedinstaller-ownership-in-windows-10/

* Restore/Take control [take 1]:
****
Run Registry Editor (%WinDir%\RegEdit.exe) [%WinDir% = usually C:\WINDOWS] as TrustedInstaller (highest available user level) in order to be allowed to add/delete/edit/modify/rename any registry key/value using AdvancedRun.exe:
AdvancedRun.exe /EXEFilename "%windir%\REGEDIT.EXE" /RunAs 8 /Run
AdvancedRun [AdvancedRun.exe] 32-bit + 64-bit GUI interface + DOS console command line tool for Windows Vista/newer 32-bit + 64-bit runs any app/batch/command/executable/function/process/program/script/service/task/tool as Administrator/SYSTEM/TrustedInstaller/any user with elevated/highest/protected privileges/rights, compatibility, environment, ownership, permissions, priority, properties, useful for task automation in BATch (.BAT), CoMmanD (.CMD) + Visual Basic Script (.VBS) files, highly customizable:
http://www.nirsoft.net/utils/advanced_run.html
AdvancedRun 64-bit:
http://www.nirsoft.net/utils/advancedrun-x64.zip
AdvancedRun 32-bit:
http://www.nirsoft.net/utils/advancedrun.zip
Run Programs as TrustedInstaller:
http://www.winhelponline.com/blog/run-program-as-trustedinstaller-locked-registry-keys-files/
See also "Turn OFF/Postpone/Block/Uninstall Windows Updates (WU)" chapter -> "WUB Brief Explanation:" section in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
Add "Run as TrustedInstaller" item to the right-click shell context menu for BATch (.bat), CoMmanD (.cmd), EXEcutables (.exe) + Visual Basic Script (.vbs) files/shortcuts. You can add any other/all file formats following the same rules -> see below.
In this example AdvancedRun.exe (see above) is located in the C:\TOOLS directory/folder.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\batfile\shell\RunAsTrustInst]
@="Run as TrustedInstaller"
"SuppressionPolicy"=dword:0
"HasLUAShield"=""
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\batfile\shell\RunAsTrustInst\command]
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"%1\" /RunAs 8 /Run"
"IsolatedCommand"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\cmdfile\shell\RunAsTrustInst]
@="Run as TrustedInstaller"
"SuppressionPolicy"=dword:0
"HasLUAShield"=""
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\cmdfile\shell\RunAsTrustInst\command]
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"%1\" /RunAs 8 /Run"
"IsolatedCommand"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\exefile\shell\RunAsTrustInst]
@="Run as TrustedInstaller"
"SuppressionPolicy"=dword:0
"HasLUAShield"=""
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\exefile\shell\RunAsTrustInst\command]
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"%1\" /RunAs 8 /Run"
"IsolatedCommand"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\vbsfile\shell\RunAsTrustInst]
@="Run as TrustedInstaller"
"SuppressionPolicy"=dword:0
"HasLUAShield"=""
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\vbsfile\shell\RunAsTrustInst\command]
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"%1\" /RunAs 8 /Run"
"IsolatedCommand"=-
```

```
;
------End cut & paste here------
From now on: Explorer/Desktop/Start button/icon/logo/menu/orb -> right-click a BATch (.bat), CoMmanD (.cmd), EXEcutable
(.exe), or Visual Basic Script (.vbs) file/shortcut -> select "Run as TrustedInstaller".

* Restore/Take control [take 2]:
********************************
Access/execute/launch/open/run/start any possible file type (file extension) by adding "Run as TrustedInstaller" item to the
right-click shell context menu for *all* files types/extensions associated with a known/listed/registered
API (Application Programming Interface)/app(lication)/DLL (Dynamic Link Library)/EXEcutable
(.exe)/function/program/resident/script (.bat, .cmd, .hta, .reg, .vbs, .wsh, etc)/service/task -> see below.
In this example AdvancedRun.exe (see above) is located in the C:\TOOLS directory/folder, and represented as "C:\\TOOLS" in
the Registry (.reg) file below.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\RunAsTrustInst]
@="Run as TrustedInstaller"
"SuppressionPolicy"=dword:0
"HasLUAShield"=""
"NoWorkingDirectory"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\RunAsTrustInst\command]
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"%1\" /RunAs 8 /Run"
"IsolatedCommand"=-
;
------End cut & paste here------
From now on: Explorer/Desktop/Start button/icon/logo/menu/orb -> right-click any file type (any extension)/file shortcut ->
select "Run as TrustedInstaller".

* Restore/Take control [take 3]:
********************************
Import/load/merge all data/information contained inside Registration Files (.reg) into the Registry [using RegEdit
(REGEDIT.EXE) located in the %WinDir% directory/folder = usually C:\WINDOWS] with TrustedInstaller privileges -> see below.
In this example AdvancedRun.exe (see above) is located in the C:\TOOLS directory/folder.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\REGEDIT.EXE]
@="C:\\WINDOWS\\REGEDIT.EXE"
"Path"="C:\\WINDOWS"
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\AdvancedRun.exe]
@="C:\\TOOLS\\AdvancedRun.exe"
"Path"="C:\\TOOLS"
[HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\AppCompatFlags\Layers]
"C:\\TOOLS\\AdvancedRun.exe"="RUNASADMIN"
"C:\\WINDOWS\\REGEDIT.EXE"="RUNASADMIN"
"C:\\WINDOWS\\SYSTEM32\\regedt32.exe"="RUNASADMIN"
"C:\\WINDOWS\\SysWOW64\\regedit.exe"="RUNASADMIN"
"C:\\WINDOWS\\SysWOW64\\regedt32.exe"="RUNASADMIN"
[HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\AppCompatFlags\Compatibility Assistant\Persisted]
"C:\\TOOLS\\AdvancedRun.exe"=dword:1
"C:\\WINDOWS\\REGEDIT.EXE"=dword:1
"C:\\WINDOWS\\SYSTEM32\\regedt32.exe"=dword:1
"C:\\WINDOWS\\SysWOW64\\regedit.exe"=dword:1
"C:\\WINDOWS\\SysWOW64\\regedt32.exe"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Applications\REGEDIT.EXE]
"NoOpenWith"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Applications\REGEDIT.EXE\DefaultIcon]
@="REGEDIT.EXE,0"
; Restore default action: remove the semicolon [;] and the space [ ] in front of the
; commented/disabled @="REGEDIT.EXE \"%1\"" value below + add a semicolon [;] followed by a space [ ] in front of the
; active/enabled @="... AdvancedRun64..." value below:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Applications\REGEDIT.EXE\shell\open\command]
; @="REGEDIT.EXE \"%1\""
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"C:\\WINDOWS\\REGEDIT.EXE\" /CommandLine \"%1\" /RunAs 8 /Run"
"NoOpenWith"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regedit]
@="Registration Entries"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regedit\DefaultIcon]
@="REGEDIT.EXE,0"
; Restore default action: remove the semicolon [;] and the space [ ] in front of the
; commented/disabled @="REGEDIT.EXE \"%1\"" value below + add a semicolon [;] followed by a space [ ] in front of the
```

```
; active/enabled @="... AdvancedRun64..." value below:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regedit\shell\open\command]
; @="REGEDIT.EXE \"%1\""
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"C:\\WINDOWS\\REGEDIT.EXE\" /CommandLine \"%1\" /RunAs 8 /Run"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\REGEDIT.EXE]
@="Registration Entries"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\REGEDIT.EXE\DefaultIcon]
@="REGEDIT.EXE,0"
; Restore default action: remove the semicolon [;] and the space [ ] in front of the
; commented/disabled @="REGEDIT.EXE \"%1\"" value below + add a semicolon [;] followed by a space [ ] in front of the
; active/enabled @="... AdvancedRun64..." value below:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\REGEDIT.EXE\shell\open\command]
; @="REGEDIT.EXE \"%1\""
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"C:\\WINDOWS\\REGEDIT.EXE\" /CommandLine \"%1\" /RunAs 8 /Run"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regfile]
@="Registration Entries"
"EditFlags"=dword:1
"AlwaysShowExt"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regfile\DefaultIcon]
@="REGEDIT.EXE,0"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regfile\shell\open]
@="Mer&ge"
; Restore default action: remove the semicolon [;] and the space [ ] in front of the
; commented/disabled @="REGEDIT.EXE \"%1\"" value below + add a semicolon [;] followed by a space [ ] in front of the
; active/enabled @="... AdvancedRun64..." value below:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\regfile\shell\open\command]
; @="REGEDIT.EXE \"%1\""
@="C:\\TOOLS\\AdvancedRun.exe /EXEFilename \"C:\\WINDOWS\\REGEDIT.EXE\" /CommandLine \"%1\" /RunAs 8 /Run"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\.reg]
@="regfile"
"PerceivedType"="system"
;
------End cut & paste here------
From now on: Desktop/Explorer/Start button/icon/logo/menu/orb, etc -> right-click any Registration File (.reg) -> select
"Merge" -> click Yes -> click OK.

* Turn OFF (Disable) TrustedInstaller | Turn back ON (Restore) TrustedInstaller:
********************************************************************************
Method I [the easiest way ;-/]:
******************************
Turn OFF/disable the TrustedInstaller service [which starts the %WinDir%\servicing\TrustedInstaller.exe EXEcutable upon
every Windows (re)boot/(re)start and whenever the TrustedInstaller service is not running] from starting + running by
tweaking your registry:
http://learn.microsoft.com/troubleshoot/windows-client/deployment/windows-update-hangs-updates-uninstalled/
http://learn.microsoft.com/answers/questions/53649/
http://conetrix.com/blog/windows-updates-consistently-failing-after-15-minutes/
http://www.sysnative.com/forums/threads/windows-update-going-around-in-circles-telling-me-i-must-restart-my-computer.5804/
All of this can be done in 1 easy (double)-click step by running the Registry (.reg) file below.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
; Built-in/default values are commented out (disabled) = preceded by a semicolon [;] + a space [ ].
; To replace any of these customized value(s) with the built-in/default one(s): add a semicolon [;] and a space [ ] in front
; of the active (enabled) line(s) you wish to disable/comment, and which begin with a quote mark ["], and delete/remove the
; semicolon [;] and the space [ ] present in front of the disabled one(s) in order to enable/activate it/them:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrustedInstaller]
; "BlockTime"=dword:2a30
"BlockTime"=dword:0
; "BlockTimeIncrement"=dword:384
"BlockTimeIncrement"=dword:ffffffff
; "PreshutdownTimeout"=dword:36ee80
"PreshutdownTimeout"=dword:e10
; "Start"=dword:2
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\TrustedInstaller]
; "BlockTime"=dword:2a30
"BlockTime"=dword:0
; "BlockTimeIncrement"=dword:384
"BlockTimeIncrement"=dword:ffffffff
; "PreshutdownTimeout"=dword:36ee80
"PreshutdownTimeout"=dword:e10
; "Start"=dword:2
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\TrustedInstaller]
; "BlockTime"=dword:2a30
"BlockTime"=dword:0
; "BlockTimeIncrement"=dword:384
```

```
"BlockTimeIncrement"=dword:ffffffff
; "PreshutdownTimeout"=dword:36ee80
"PreshutdownTimeout"=dword:e10
; "Start"=dword:2
"Start"=dword:4
;
------End cut & paste here------
```

Explanation of all these Registry values, and step-by-step how to do this the hard way, manually, by hand [;-/]:
Open Registry Editor (RegEdit) [REGEDIT.EXE] located in the %WinDir% directory/folder [%WinDir% = usually C:\WINDOWS]:
right-click RegEdit or its shortcut/icon/link -> Run as Administrator -> double-click -> scroll down 4 times [in the left hand panel] until you arrive at your destination -> this registry key:
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrustedInstaller
In the right hand panel:
1. Double-click "BlockTime" DWORD [REG_DWORD] to change its default value:
- hexadecimal: 2a30
- decimal: 10800 seconds = 180 minutes = 3 hours
to the minimum allowed value:
- hexadecimal: 0
- decimal: 0 seconds
2. Double-click "BlockTimeIncrement" DWORD [REG_DWORD] to change its default value:
- hexadecimal: 384
- decimal: 900 seconds = 15 minutes
to the maximum allowed value:
- hexadecimal: ffffffff
- decimal: 4294967295 seconds = 71582788 minutes = 1193046 hours = ~ 49710 days = ~ 136 years
3. Double-click "PreshutdownTimeout" DWORD [REG_DWORD] to change its default value:
- hexadecimal: 36ee80
- decimal: 3600000 seconds = 60000 minutes = 1000 hours = ~ 42 days
to a much smaller value:
- hexadecimal: e10
- decimal: 3600 seconds = 60 minutes = 1 hour
4. Double-click "Start" DWORD [REG_DWORD] to change its Automatic (Enabled) default value:
- hexadecimal: 2
- decimal: 2
to the Disabled (Blocked) value:
- hexadecimal: 4
- decimal: 4
Method I may need to be combined with Method II (below) to make sure it works 100% [;-/] -> keep reading...
Method II [the easy way]:
****
Turn OFF/disable the TrustedInstaller.exe executable by renaming its "servicing" directory/folder to something like "servicing_OLD" (example), and then in case you'll need it whenever you wish to change/install/repair/uninstall/update/upgrade an app/driver/game/program/software/tool/upgrade/Windows add-on/component/feature/fix/patch/update/etc just turn ON/restore the TrustedInstaller.exe "servicing" directory/folder by renaming it back to its original name:
A. Create a DOS console batch file with commands below:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
TITLE "Turn OFF/disable TrustedInstaller -> RENAME %windir%\servicing 2 %windir%\servicing_OLD ..."
C:
CD\
TASKKILL.EXE /IM TrustedInstaller.exe /F /T
IF EXIST "%windir%\servicing" TAKEOWN.EXE /f "%windir%\servicing" /r /d y
IF EXIST "%windir%\servicing" ICACLS.EXE "%windir%\servicing" /grant:R Administrators:F SYSTEM:F /t /c /q
IF EXIST "%windir%\servicing" REN "%windir%\servicing" servicing_OLD
IF EXIST "%windir%\servicing_OLD" TAKEOWN.EXE /f "%windir%\servicing_OLD" /r /d y
IF EXIST "%windir%\servicing_OLD" ICACLS.EXE "%windir%\servicing_OLD" /grant:R Administrators:F SYSTEM:F /t /c /q
:END
EXIT
------End cut & paste here------
```

Save it as TrustdInstallr_OFF_RENAME_folder.cmd (example) on your Desktop or in any other location on your local drive(s)/partition(s)/volume(s), and then create a Desktop shortcut for it -> right-click TrustdInstallr_OFF_RENAME_folder.cmd (or its Desktop shortcut) -> Run as Administrator -> wait for completion.
B. Create a DOS console batch file with commands below:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
TITLE "Turn ON/restore TrustedInstaller -> Rename %windir%\servicing_OLD 2 %windir%\servicing ..."
C:
```

```
CD\
IF EXIST "%windir%\servicing_OLD" TAKEOWN.EXE /f "%windir%\servicing_OLD" /r /d y
IF EXIST "%windir%\servicing_OLD" ICACLS.EXE "%windir%\servicing_OLD" /grant:R Administrators:F SYSTEM:F /t /c /q
TASKKILL.EXE /IM TrustedInstaller.exe /F /T
IF EXIST "%windir%\servicing_OLD" REN "%windir%\servicing_OLD" servicing
:END
EXIT
```

------End cut & paste here------

Save it as TrustdInstallr_ON_RESTORE_folder.cmd (example) on your Desktop or in any other location on your local drive(s)/partition(s)/volume(s), and then create a Desktop shortcut for it -> right-click TrustdInstallr_ON_RESTORE_folder.cmd (or its Desktop shortcut) -> Run as Administrator -> wait for completion.
ICACLS.EXE, TAKEOWN.EXE + TASKKILL.EXE executables (.exe) are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command

```
PATH
```

-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)

```
PATH>C:\Windows_PATH_Directories.txt
```

-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Method III [the hard way ;-/]:
****
Turn OFF/rename TrustedInstaller.exe step-by-step [but 1st make a *BACKUP*!]:
A. Install IObit Unlocker 32-bit Explorer right-click context menu shell extension + GUI tool forces in-use files to unlock so they can be copied, moved, deleted or renamed:
http://www.iobit.com/iobit-unlocker.php
File:
http://cdn.iobit.com/dl/unlocker-setup.exe
Guide:
http://www.winhelponline.com/blog/delete-a-stubborn-file-folder-in-windows/
Use IObit Unlocker executable [IObitUnlocker.exe] command line options, switches + parameters for automated/unattended BATch files/jobs/scripts:
http://forums.iobit.com/topic/14855-command-line-arguments/
In this example IObitUnlocker.exe is installed [default option] in the "%ProgramFiles(x86)%\IObit\IObit Unlocker" directory/folder [where %ProgramFiles(x86)% = usually "C:\Program Files (x86)"], found only on Windows NTx 64-bit (x64) editions.
The Windows NTx 32-bit (x86) correspondent directory/folder is %ProgramFiles% = usually "C:\Program Files".
B. Extract executable [AdvancedRun.exe] from AdvancedRun ZIP archive below to match your Windows NTx OS bit strength [32-bit (x86) or 64-bit (x64)]:
AdvancedRun [AdvancedRun.exe] 32-bit + 64-bit GUI interface + DOS console command line tool for Windows Vista/newer 32-bit + 64-bit runs any app/batch/command/executable/function/process/program/script/service/task/tool as Administrator/SYSTEM/TrustedInstaller/any user with elevated/highest/protected privileges/rights, compatibility, environment, ownership, permissions, priority, properties, useful for task automation in BATch (.BAT), CoMmanD (.CMD) + Visual Basic Script (.VBS) files, highly customizable:
http://www.nirsoft.net/utils/advanced_run.html
AdvancedRun 64-bit:
http://www.nirsoft.net/utils/advancedrun-x64.zip
AdvancedRun 32-bit:
http://www.nirsoft.net/utils/advancedrun.zip
Run Programs as TrustedInstaller:
http://www.winhelponline.com/blog/run-program-as-trustedinstaller-locked-registry-keys-files/
In this example AdvancedRun.exe is located in the C:\TOOLS directory/folder.
C. Create a DOS console batch file with commands below:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
C:\TOOLS\AdvancedRun.exe /EXEFilename "%ProgramFiles(x86)%\IObit\IObit Unlocker\IObitUnlocker.exe" /CommandLine "/Rename /Advanced %WinDir%\servicing\TrustedInstaller.exe TrustedInstaller_OLD.exe" /RunAs 8 /Run
:END
EXIT
```

------End cut & paste here------

Save it as Rename_TrustdInstallr.cmd (example) on your Desktop or in any other location on your local drive(s)/partition(s)/volume(s), and then create a Desktop shortcut for it = important for fast access in the next step below!
D. Turn OFF temporarily (for a few seconds, until you can rename it in the next step below) TrustedInstaller.exe: hold Ctrl + Shift + press Esc -> Task Manager (TaskMgr.exe) -> Processes tab -> right-click TrustedInstaller.exe (-> End task) -> click "End process".
E. As fast as possible [!]: Desktop -> right-click Rename_TrustdInstallr.cmd (or its Desktop shortcut) -> Run as Administrator -> click OK when you see the IObit Unloker "Operation succeded." window -> done.
From now on you won't have to put up anymore with any TrustedInstaller annoyances, behind-your-back/blocked/forbidden system/user functions/operations, lock outs, limitations, etc.

F. Restore TrustedInstaller.exe by renaming it back to its original name in case you'll need it whenever you wish to change/install/repair/uninstall/update/upgrade an app/driver/game/program/software/tool/upgrade/Windows add-on/component/feature/fix/patch/update/etc:
Perform again steps C. + E. above (D. is not needed), but this time use instead another DOS console batch file [example: Restore_TrustdInstallr.cmd] to rename TrustedInstaller_OLD.exe back to its original name = TrustedInstaller.exe :
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
C:\TOOLS\AdvancedRun.exe /EXEFilename "%ProgramFiles(x86)%\IObit\IObit Unlocker\IObitUnlocker.exe" /CommandLine "/Rename /Advanced %WinDir%\servicing\TrustedInstaller_OLD.exe TrustedInstaller.exe" /RunAs 8 /Run
:END
EXIT
------End cut & paste here------
```

Task Scheduler Tweaks

Most of these tweaks apply to all Windows 7/newer builds/editions/releases/versions.

* Use Task Scheduler to execute/launch/open/run/start any app(lication), executable (.exe), software program, service, task, BATch (.bat)/CoMmanD (.cmd) file, link/shortcut (.lnk), script (.js, .msc, .vbs), internet shortcut (.url, .web) etc minimized + with dedicated custom icon in Windows 7/newer:
http://answers.microsoft.com/en-us/windows/forum/windows_7-performance/make-windows-7-task-scheduler-run-a-batch-file/0573dc2e-4941-44a2-8304-264864e94f1a/
http://answers.microsoft.com/en-us/windows/forum/windows_10-performance/make-windows-10-task-scheduler-run-a-batch-file/e00b2fb0-02ca-439f-b534-eb34541130a9/
http://superuser.com/questions/1255460/
1. Create (if not present) C:\SCRIPTS directory/folder (example) from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:

```
C:
CD\
MD SCRIPTS
```

2. Use Notepad to create C:\SCRIPTS\DEL_RECYCL_B1N.VBS VBScript file (example):

```
-----Begin cut & paste here-----
Dim WshShell:Set WshShell=CreateObject("WScript.Shell")
WshShell.Run chr(34)&"C:\SCRIPTS\DEL_RECYCL_B1N.CMD"&Chr(34),0
Set WshShell=Nothing
------End cut & paste here------
```

3. Use Notepad to create C:\SCRIPTS\DEL_RECYCL_B1N.CMD BATch file (example):

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
COLOR 3B
TITLE "Delete all $Recycle.BIN directories/folders..."
ECHO.
ECHO ######################################################################
ECHO Deleting $Recycle.BIN directories/folders on all drives/partitions/volumes...
ECHO ######################################################################
ECHO.
C:
CD\
FOR %%i IN (C: D: E: F: G: H: I: J: K: L: M: N: O: P: Q: R: S: T: U: V: W: X: Y: Z:) DO IF EXIST "%%i\$RECYCLE.BIN" TAKEOWN.EXE /f "%%i\$RECYCLE.BIN" /r /d y >NUL 2>&1
FOR %%i IN (C: D: E: F: G: H: I: J: K: L: M: N: O: P: Q: R: S: T: U: V: W: X: Y: Z:) DO IF EXIST "%%i\$RECYCLE.BIN" ICACLS.EXE "%%i\$RECYCLE.BIN" /grant:r Everyone:F /t /c /q >NUL 2>&1
FOR %%i IN (C: D: E: F: G: H: I: J: K: L: M: N: O: P: Q: R: S: T: U: V: W: X: Y: Z:) DO IF EXIST "%%i\$RECYCLE.BIN" RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%%i\$RECYCLE.BIN"
:END
EXIT
------End cut & paste here------
```

4. Add C:\SCRIPTS\DEL_RECYCL_B1N.VBS (example) to your custom Task Scheduler script -> run:

```
MMC.EXE /S taskschd.msc
```

5. Create a new Task -> Action tab -> highlight your task line -> click Edit... button -> Program/script box -> type (example):

```
WSCRIPT.EXE
```

-> Add arguments box -> type (example):

```
/B /NoLogo C:\SCRIPTS\DEL_RECYCL_B1N.VBS
```

6. Customize your task to run whenever and however often you wish and save it.
7. Optionally you can automate Task Scheduler to run C:\SCRIPTS\DEL_RECYCL_B1N.VBS every 30 minutes (example) from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:

ECHO Y|SCHTASKS.EXE /Create /TN "Delete_$Recycle.B1N_folders" /TR "WSCRIPT.EXE /B /NoLogo C:\SCRIPTS\DEL_RECYCL_B1N.VBS" /RU SYSTEM /RL HIGHEST /SC MINUTE /MO 30 /F
ECHO Y|SCHTASKS.EXE /Change /TN "Delete_$Recycle.B1N_folders" /RI 30 /RL HIGHEST /ENABLE
Advanced Packaging [ADVPACK.DLL] dynamic link library, Integrity Control Access Control List [ICACLS.EXE], Microsoft Management Console [MMC.EXE], Run Dynamic Link Library 32-bit [RUNDLL32.EXE], Scheduled Tasks [SCHTASKS.EXE], Take Ownership [TAKEOWN.EXE] + Windows Script [WSCRIPT.EXE] executables are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS], listed in your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Create scheduled task to be triggered by Windows service event using XML:
http://www.superuser.com/questions/502160/
http://blogs.technet.microsoft.com/askds/2011/09/26/advanced-xml-filtering-in-the-windows-event-viewer/
http://social.technet.microsoft.com/forums/windows/bae1e2c4-c60a-4f90-87b9-7b33e8d9660e/
http://msdn.microsoft.com/library/aa385231.aspx
http://social.technet.microsoft.com/forums/office/fac16f3c-d088-4d66-83d8-7139261dea83/
Wikipedia: XML:
http://en.wikipedia.org/wiki/XML
Run... [hold WinKey + press R] -> taskschd.msc -> Create Task... -> Trigger tab -> On an event -> Custom -> New Event Filter -> XML tab -> Edit query manually -> Yes -> cut & paste (example):

```
<QueryList>
<Query Id="0">
<Select Path="System">
*[EventData[Data[@Name='param1'] and (Data='DNSCache')]]
and
*[EventData[Data[@Name='param2'] and (Data='running')]]
</Select>
</Query>
</QueryList>
```

Actions tab -> Start a program -> Program/script (example):
SC.EXE
Add argument (optional) (example):
STOP DNSCache
OK -> OK.

Patch Windows 7

* Updated Physical Address Extension (PAE) Patch [ntkrnlpa.exe] for Windows 7 SP1 32-bit unlocks using installed RAM up to 128 GB:
http://www.wj32.org/wp/2011/02/23/pae-patch-updated-for-windows-7-sp1/
Updated Physical Address Extension (PAE) Patch [ntkrnlpa.exe] for Windows 8/8.1 32-bit unlocks using installed RAM up to 128 GB:
http://www.wj32.org/wp/2013/10/25/pae-patch-updated-for-windows-8-1/
Updated Physical Address Extension (PAE) Patch [ntkrnlpa.exe] for Windows 10 32-bit unlocks using installed RAM up to 128 GB:
http://www.wj32.org/wp/2016/02/01/pae-patch-updated-for-windows-10/
ReadyFor4GB PAE Patch [ntkrnlpa.exe] for Windows Vista/7/7 SP1 32-bit unlocks using installed RAM up to 128 GB:
- Chinese:
http://zh-deepxw.blogspot.com/2009/04/readyfor4gb.html
- English:
http://www.arstechnica.com/civis/viewtopic.php?f=15&t=49358
PAE RAMPatch [ntkrnlpa.exe] for Windows Vista/7/7 SP1 32-bit unlocks using installed RAM up to 128 GB:
http://www.bcastell.com/tech-articles/enabling-more-than-4-gb-of-ram-under-windows-7-32-bit/
File:
http://www.bcastell.com/wp-content/uploads/2012/09/win7-7600-4gb-patch.rar
PASSWORD:
nowarranty
These Patches work ONLY with 32-bit (x86) Windows NTx OSes!

* 4GB Patch for 32-bit EXEcutables (.exe) to use up to 4 GB of virtual RAM on Windows NTx 64-bit (x64) OSes:
http://www.ntcore.com/4gb_patch.php
File:
http://www.ntcore.com/files/4gb_patch.zip
This Patch works ONLY with 64-bit (x64) Windows NTx OSes + 32-bit (x86) EXEcutables!

* WUFUC for Windows 7/8/8.1 disables hardware detection, bypasses Windows Update (WU) "Unsupported Hardware" errors + allows installing drivers, fixes, patches, updates:
https://web.archive.org/web/20211107030255/http://github.com/zeffy/wufuc/
Download:
http://www.majorgeeks.com/files/details/wufuc.html
File:
http://dl.thorium.rocks/files/win7/wufuc_v1.0.1.201-a52637d4.zip

* Windows 7 Patches: TCP/IP Limited Connections (TCPIP.SYS), Theme (UXTHEME.DLL), Terminal Server (TERMSRV.DLL) + Desktop Watermark (USER32.DLL + USER32.DLL.mui):

http://deepxw.blogspot.com/
Windows 7 Desktop Watermark (USER32.DLL + USER32.DLL.mui) Patch:
http://deepxw.blogspot.com/2008/12/remove-watermark-v03-build-20081210.html
Desktop Watermark Patch Guide:
http://www.askvg.com/how-to-remove-windows-7-rc-watermark-build-info-from-desktop/

* UxStyle for Windows 7/8/8.1/10 Preview:
http://www.uxstyle.com/
http://github.com/riverar/uxstyle/
UxStyle for Windows 8/8.1:
http://www.uxstyle.com/builds/UxStyle_sep23_x86_x64_possibly_bugged.zip
UxStyle for Windows 7/7 SP1:
http://www.uxstyle.com/builds/UxStyle_Core_jul13_bits.zip
Aero Theme for Windows 8/8.1:
http://simplexdesignsart.deviantart.com/art/Windows-Aero-536877982/
https://web.archive.org/web/20130402051457/http://xxinightxx.deviantart.com/art/Windows-7-Vs-REV-D-350491112/
File:
http://drive.google.com/uc?export=download&id=0B883uGPmNY72Sjk3dy1MTzBGVEE
https://web.archive.org/web/20130402051457/http://www.deviantart.com/download/350491112/windows_7_vs_rev_d_by_xxinightxx-d5so8o8.zip
Windows 8/8.1 Themes:
http://www.winaero.com/category/windows-8-themes/

* UltraUXThemePatcher 32-bit + 64-bit for Windows XP/Vista/7/8/8.1/10/11 patches UX (User eXperience) Theme system files
[uxtheme.dll, uxinit.dll, themeui.dll] to allow use of 3rd party/custom themes:
http://mhoefs.eu/software_uxtheme.php
UltraUXThemePatcher Guide:
http://setupgamer.info/how-to-install-custom-windows-10-themes-and-visual-styles-with-ultrauxthemepatcher/
UltraUXThemePatcher Tutorial:
http://www.tenforums.com/customization/76077-ultrauxthemepatcher-recover-black-grey-screen-windows-8-10-a.html
Windows 7/newer Themes:
http://www.majorgeeks.com/files/categories/themes.html
Windows 11 Themes:
http://www.deviantart.com/tag/windows11themes/
Windows 10 Themes:
http://www.deviantart.com/tag/windows10themes/
http://www.deviantart.com/sagorpirbd/art/Aero-7-Themes-for-Win10-Final-523979941/
http://www.deviantart.com/niivu/art/Sweetness-for-Windows-10-826122176/
Windows 8/8.1 Themes:
http://www.deviantart.com/tag/windows8themes/
Windows 7 Themes:
http://www.deviantart.com/tag/windows7themes/
View + Remove All built-in Windows 10 Themes:
http://www.majorgeeks.com/content/page/how_to_view_and_remove_all_windows_10_themes.html

* Windows 7 Theme Source Patcher (7TSP):
http://www.xptsp.com/fixit/7tsp.php
7TSP Portable:
http://users.xptsp.com/fixit/programs/7tsp_GUI_v0.4_B(2015).exe
7TSP Installer:
http://users.xptsp.com/fixit/programs/7tsp_GUI_v0.4_B(2015)_Installer.exe
7TSP Icon Packs:
http://www.creativx.net/forums/7tsp-iconpacks/
7TSP requires Resource Hacker:
http://www.angusj.com/resourcehacker/
File:
http://www.angusj.com/resourcehacker/resource_hacker.zip

* GDIPP (Graphics Device Interface ++) 32-bit + 64-bit [UNMAINTAINED!] for Windows Vista/newer improves
anti-aliasing/rasterizing/smoothing rendering + clarity/readability of all Windows desktop/display/monitor/screen/system
fonts:
http://code.google.com/archive/p/gdipp/
http://github.com/CoolOppo/GDIPP/
- GDIPP 32-bit for Windows Vista/newer 32-bit (x86) [MSI Installer]:
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/gdipp/gdipp_x86_0.9.1.msi
- GDIPP 64-bit for Windows Vista/newer 64-bit (x64) [MSI Installer]:
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/gdipp/gdipp_x64_0.9.1.msi
GDIPP Guide:
http://www.makeuseof.com/tag/make-windows-fonts-look-like-mac-fonts/

* ReadyDriver Plus:
https://web.archive.org/web/20131029095655/http://www.citadelindustries.net/rdp.php
File:
https://web.archive.org/web/20131029095655/http://data.citadelindustries.net/setupreadydriverplus.exe

* Driver Signature Enforcement Overrider (DSEO):
http://www.ngohq.com/?page=dseo
File:
http://files.ngohq.com/ngo/dseo/dseo13b.exe

* Windows 7 Boot Updater changes animated boot logo:
http://www.coderforlife.com/projects/win7boot/
Guide:

http://www.intowindows.com/windows-7-boot-animation-updater-change-windows-7-boot-screen/

Customize BOOT Screens

* Customize Windows 7 Boot Screen Guides:
http://www.techdows.com/2011/06/get-windows-8-betta-fish-boot-screen-for-windows-7.html
http://www.askvg.com/download-windows-8-rtm-boot-screen-windows-7/
http://www.door2windows.com/how-to-change-windows-7-boot-screen-animation/
Win7BootUpdater = MUST USE IT!:
http://www.coderforlife.com/projects/win7boot/
File:
http://www.coderforlife.com/projects/win7boot/downloads/
http://www.coderforlife.com/projects/win7boot/downloads/Win7BootUpdater2.exe
Extras:
http://www.coderforlife.com/projects/win7boot/extras/
Boot Screens:
http://www.coderforlife.com/projects/win7boot/bootskins/
http://www.deskmodder.de/phpBB3/viewtopic.php?f=220&t=13363
Custom Animations:
http://medi-dadu.deviantart.com/art/Win-Boot-Screen-16-9-277342889
Navi OS from SE Lain:
http://detechtive.deviantart.com/art/Win-7-boot-animation-Navi-OS-from-SE-Lain-280887190
Holographic:
http://ultimatedesktops.deviantart.com/art/Holographic-Boot-Skin-for-Windows-7-359440527
http://creativ-xtreme.deviantart.com/art/Holographic-Boot-Skin-for-Windows-7-359440527
Abstract:
http://detechtive.deviantart.com/art/Abstract-Bootscreen-w-resolution-fix-and-a-bonus-393047765
The Hatchling v2:
http://faziri.deviantart.com/art/The-Hatchling-v2-340304259
Blaupunkt v2:
http://tchiro.deviantart.com/art/Blau-punkt-v2-BootScreen-344602849
Pulse Blue:
http://tchiro.deviantart.com/art/Pulse-blue-Windows-7-BootScreen-321869645
Pulse Green:
http://tchiro.deviantart.com/art/Pulse-Windows-7-BootScreen-321814750
Molecule 16:9:
http://judian.deviantart.com/art/Molucule-Boot-Screen-16-9-312105328
L:
http://luttik.deviantart.com/art/L-bootloader-297223007
Earth 16:9:
http://medi-dadu.deviantart.com/art/Win-Boot-Screen-16-9-294257700
Gears:
http://creativ-xtreme.deviantart.com/art/gears-BootScreen-262299074
Stargate Logo:
http://fallenangelofdeath63.deviantart.com/art/Stargate-Boot-Theme-290423425
STARGATE:
http://zangio.deviantart.com/art/Win7-Boot-Animation-STARGATE-189992814
Starfleet Logo:
http://deskmodder.deviantart.com/art/Starfleetlogo-by-rufus721-269639178
Blue Plasma:
http://deskmodder.deviantart.com/art/BluePlasma-by-AxP-261661276
Nerd:
http://sachse.deviantart.com/art/Nerd-Bootscreen-260310482
DoTa Puck:
http://seva-tmplr.deviantart.com/art/WIN7-Boot-DoTa-Puck-196485118
Orb:
http://zangio.deviantart.com/art/Win7-Boot-Animation-Orb-188321689
Windows 8 ALPHA Fish:
http://misaki2009.deviantart.com/art/Windows-8-Bootscreen-quot-ALPHA-quot-214596752
Boot Screens:
http://creativ-xtreme.deviantart.com/gallery/36418593
http://kidofoundation.deviantart.com/gallery/
http://korruptninja.deviantart.com/gallery/
http://www.windows7bootscreens.com/bootscreen-22-orb/

Desktop Background/Wallpaper Tweaks + Free(ware) Tools

Most of these apply to all Windows 7/newer builds/editions/releases/versions.

* See also MDGx "WALLPAPER" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT

http://www.mdgx.com/TOOLS.pdf

* Next wallpaper slideshow -> right-click Desktop shortcut:
http://www.sevenforums.com/tutorials/161638-next-desktop-background-add-remove-desktop-context-menu.html
http://www.windowsvalley.com/remove-next-desktop-background-from-desktop-context-menu-of-windows-7/
http://www.intowindows.com/how-to-create-shortcut-key-to-switch-to-next-desktop-background-in-windows-7-and-windows-8/
NOTE:
This requires your wallpaper (Desktop Background) settings to cycle through a directory/folder containing at least 2 graphics/images/photos/wallpapers.
1. Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create Next_Wallpaper.vbs VBScript file (example):
-----Begin cut & paste here-----
```
Dim WshShell:Set WshShell=WScript.CreateObject("WScript.Shell")
WshShell.SendKeys("^ ")
WshShell.SendKeys("+{F10}")
WshShell.SendKeys("n")
```
------End cut & paste here------
2. Run Next_Wallpaper.vbs (example):
WSCRIPT.EXE /B /NoLogo Next_Wallpaper.vbs
3. Right-click on an empty Desktop spot -> click "Next desktop background".
4. Make this permanent: use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a new Registry (.reg) file -> copy & paste text strings between Cut & Paste lines below -> save file as Next_Wallpaper.reg (example).
5. Right-click on Next_Wallpaper.reg -> Run as Administrator -> answer Yes/OK to all prompts to register the information into your Registry.
6. From now on you can right-click on an empty Desktop spot -> click "Next desktop background".
-----Begin cut & paste here-----
```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\DesktopBackground\shellex\ContextMenuHandlers\DesktopSlideshow]
@="{0bf754aa-c967-445c-ab3d-d8fda9bae7ef}"
"Icon"="themecpl.dll,0"
"Position"="Bottom"
"MUIVerb"="Next &Wallpaper"
"SuppressionPolicy"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{0bf754aa-c967-445c-ab3d-d8fda9bae7ef}]
@="SlideshowContextMenu"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{0bf754aa-c967-445c-ab3d-d8fda9bae7ef}\InProcServer32]
@=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,5c,73,\
  74,6f,62,6a,65,63,74,2e,64,6c,6c,00
"ThreadingModel"="Apartment"
;
```
------End cut & paste here------

* Desktop Background Tuner (DBT) 32-bit:
http://www.winaero.com/desktop-background-tuner/
File:
http://www.winaero.com/download-desktop-background-tuner/
Extract DesktopBackgroundTuner.exe version which matches your Windows NTx OS edition from DesktopBackgroundTuner.zip archive using an unZIPping/unARChiving/unRARing tool [free(ware)]
http://www.mdgx.com/toy.htm#ZIP
to the local drive/partition/volume + directory/folder of your choice:
- Windows XP/Vista/7 users: DesktopBackgroundTuner.exe from ZIP root [no name] folder;
- Windows 8/8.1/10/11 users: DesktopBackgroundTuner.exe from ZIP "Windows 8" folder.

* Any Wallpaper:
http://www.anyutils.com/anywall.php
File:
http://www.anyutils.com/download/anywall.exe
Requires Microsoft .NET Framework Redistributable (NFR) 2.0/newer (free):
http://www.mdgx.com/add.htm#NFR
Right-click Taskbar Icon -> Restore main window -> Options -> Choose a wallpaper position: Autofit.
Settings:
%UserProfile%\AppData\Local\AnyUtils\AnyWall\settings.xml

* Logon Background Changer (W7LBC):
http://www.julien-manici.com/windows_7_logon_background_changer/
File:
http://jmanici.blob.core.windows.net/download/Win7LogonBackgroundChanger_1_5_2.zip

* Logon Changer:
http://www.tweaks.com/software/tweakslogon/
File:
http://www.tweaks.com/software/tweakslogon/download/tweakslogon.zip

* Logon Screen Rotator (LSR):
http://www.lukepaynesoftware.com/lsrotator/
File:
http://www.lukepaynesoftware.com/downloads/lsr_4.4
LSR Guide:
http://www.door2windows.com/how-to-automatically-change-your-logon-screen-background-after-an-interval-of-time-in-windows-7/

* Wallpaper Slideshow LT:
http://www.gphotoshow.com/wallpaperss.htm
File:
http://www.gphotoshow.com/files/WallpaperSSLT.exe

* Aero Wallpaper Changer (AWC) for Windows 7 Home/Basic:
http://www.winaero.com/aerowallpaperchanger/
File:
http://www.winaero.com/download-aerowallpaperchanger-adds-cool-aero-color-effects-and-desktop-slideshow-to-windows-7-home-basic/

* Oceanis:
http://www.sevenforums.com/tutorials/47294-desktop-background-wallpaper-change-windows-7-starter.html
File:
http://dl2.sevenforums.com/dl/Oceanis_Change_Background_W7.zip

* Windows Wallpaper Changer:
http://sourceforge.net/projects/winwallchanger/
File:
http://sourceforge.net/projects/winwallchanger/files/

* Wallpaper/Desktop Background Changers/Managers:
http://www.winaero.com/desktop-background-tuner/
http://www.thefreewindows.com/21007/download-free-wallpaper-changers-managers/
http://www.techsupportalert.com/content/best-free-wallpaper-changer.htm
http://listoffreeware.com/list-of-best-free-wallpaper-changer-software/
http://lifehacker.com/5885032/
http://www.thewindowsclub.com/auto-change-wallpapers-on-windows-10/

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Free(ware) 7/8/8.1/10/11 Aero Tools + Tweaks

* TransparentMenu (TM) 32-bit + 64-bit adjusts transparency + assigns colors schemes to Windows + programs right-click menus:
http://www.moo0.com/software/TransparentMenu/
File:
http://www.moo0.com/software/TransparentMenu/download/free2/
Download:
http://www.softpedia.com/get/Desktop-Enhancements/Other-Desktop-Enhancements/Moo0-TransparentMenu.shtml

* Aero Adjuster:
http://samusaranfreak.deviantart.com/art/Aero-Adjuster-261383189
File:
http://www.deviantart.com/download/261383189/aero_adjuster_by_samusaranfreak-d4bmck5.zip

* Winaero Tweaker 32-bit + 64-bit for Windows 7/newer adds/edits/modifies/removes, blocks/unblocks, customizes/tweaks, fixes/repairs, disables/enables appearance, apps, behavior, components, configuration, context/right-click, defects, desktop, display, features, flaws, functions, icons/items/links/shortcuts, inconsistencies, internet, limitations, menus, networking, operations, options, policies, preferences, programs, registry, restrictions, settings, services, start, startup, system, tasks, tools, UI (user interface), user, highly customizable [select Portable at install time!]:
http://www.winaero.com/winaero-tweaker/
Download:
http://www.winaero.com/download-winaero-tweaker/
File [Portable ZIP]:
http://www.winaero.com/downloads/winaerotweaker.zip
Winaero Tweaker Features:
http://www.winaero.com/the-list-of-winaero-tweaker-features/
Examples: customizes manufacturer/OEM/vendor info, removes icon overlay using transparent icon.

* MajorGeeks Windows Tweaks (MGWT) for Windows 7/newer 200+ registry (.reg), PowerShell (.ps1), Visual Basic [VB] (.vbs) + BATch (.bat + .cmd) files collection configures, disables/enables, optimizes, tweaks many hidden/removed/unavailable/useful appearance, app(lication)s, explorer, interface, internet, network, ownership, privacy, registry, services, system, tasks, updates, user, etc features, functions, options, settings:
http://www.majorgeeks.com/files/details/majorgeeks_registry_tweaks.html
MajorGeeks Windows Tweaks (MGWT) Repository:
http://github.com/MajorGeek/MajorGeeks-Windows-Tweaks/
File [ZIP Archive]:
http://github.com/MajorGeek/MajorGeeks-Windows-Tweaks/releases/latest/
MajorGeeks Individual Windows Tweaks:
http://www.majorgeeks.com/mg/sortpopularity/majorgeeks_registry_batch_file_tweaks.html
MajorGeeks Windows Tweaks (MGWT) Online Video Tutorial [8 min]:
http://www.youtube.com/watch?v=IeaIOGxY0ts

* Switcher:
http://www.insentient.net/
File:
http://www.insentient.net/Files/Projects/Switcher/Switcher-2.0.0.2705.zip

* Aura Auto Colorization tool:
http://aura.codeplex.com/
http://www.askvg.com/aura-get-windows-8-aero-auto-colorization-feature-in-windows-vista-and-7/
http://www.door2windows.com/get-windows-8-auto-colorization-feature-in-windows-7vista-3/
File:
http://aura.codeplex.com/downloads/get/227648
http://angelwzr.deviantart.com/art/Aura-Beta-3-203960157
http://www.deviantart.com/download/203960157/aura_beta_2_by_angelwzr-d3dfknx.zip

* 7+ Taskbar Tweaker (7TT) 32-bit + 64-bit (Portable) for Windows 7/newer adds hidden + unavailable Taskbar tray settings beyond Windows capabilities, highly customizable [select Portable at install time]:
http://ramensoftware.com/7-taskbar-tweaker/
http://tweaker.ramensoftware.com/
File [Install -> select Portable]:
http://ramensoftware.com/downloads/7tt_setup.exe
7+ Taskbar Tweaker (7TT) Portable:
http://www.portableapps.com/apps/utilitues/7plus-taskbar-tweaker-portable/
7+ Taskbar Tweaker (7TT) Guide:
http://www.winaero.com/get-a-classic-taskbar-in-windows-8-and-windows-7-that-works-like-xp/
7+ Taskbar Tweaker (7TT) Advanced Settings:
http://tweaker.ramensoftware.com/images/7-taskbar-tweaker.png
7+ Taskbar Tweaker (7TT) Repository:
http://github.com/m417z/7-Taskbar-Tweaker/
7+ Taskbar Tweaker (7TT) Windhawk tweak mods for Windows 11 Taskbar:
http://ramensoftware.com/windhawk-mods-for-the-windows-11-taskbar/
ßUG:
7+ Taskbar Tweaker (7TT) does NOT (yet) support NEWer Windows 11 Taskbar:
http://ramensoftware.com/7-taskbar-tweaker-and-a-first-look-at-windows-11/
FIX:
Restore classic Taskbar tray in Windows 11:
http://ramensoftware.com/7-taskbar-tweaker-on-windows-11-with-windows-10s-taskbar/
http://www.winaero.com/winaero-tweaker-1-20-1-get-back-windows-10-start-menu-and-taskbar-in-windows-11/
1. Install Winaero Tweaker:
http://www.winaero.com/winaero-tweaker/
2. Open/run/start Winaero Tweaker.
3. Go to: Windows 11 -> Classic Start Menu and Taskbar -> check "Enable Classic Taskbar and Start menu" box -> click "Sign out now" button.
4. Log on/sign in back into Windows 11 under same user name.
5. Open/run/start 7+ Taskbar Tweaker (7TT) -> customize/tweak settings according to your needs/preferences -> done.
BONUS:
Windhawk customizes/tweaks Windows 10/11 app(lication)s/programs with mods:
http://windhawk.net/
Windhawk Repository:
http://github.com/ramensoftware/windhawk/
Windhawk Mods:
http://windhawk.net/mods/
Windhawk Mods Repository:
http://github.com/ramensoftware/windhawk-mods/
Windhawk Wiki Documentation:
http://github.com/ramensoftware/windhawk/wiki/

* UxStyle for Windows 7/8/8.1/10 Preview:
http://www.uxstyle.com/
http://github.com/riverar/uxstyle/
UxStyle for Windows 8/8.1:
http://www.uxstyle.com/builds/UxStyle_sep23_x86_x64_possibly_bugged.zip
UxStyle for Windows 7/7 SP1:
http://www.uxstyle.com/builds/UxStyle_Core_jul13_bits.zip
Aero Theme for Windows 8/8.1:
http://simplexdesignsart.deviantart.com/art/Windows-Aero-536877982/
https://web.archive.org/web/20130402051457/http://xxinightxx.deviantart.com/art/Windows-7-Vs-REV-D-350491112/
File:
http://drive.google.com/uc?export=download&id=0B883uGPmNY72Sjk3dy1MTzBGVEE
https://web.archive.org/web/20130402051457/http://www.deviantart.com/download/350491112/windows_7_vs_rev_d_by_xxinightxx-d5so8o8.zip
Windows 8/8.1 Themes:
http://www.winaero.com/category/windows-8-themes/

* UltraUXThemePatcher 32-bit + 64-bit for Windows XP/Vista/7/8/8.1/10/11 patches UX (User eXperience) Theme system files [uxtheme.dll, uxinit.dll, themeui.dll] to allow use of 3rd party/custom themes:
http://mhoefs.eu/software_uxtheme.php
UltraUXThemePatcher Guide:
http://setupgamer.info/how-to-install-custom-windows-10-themes-and-visual-styles-with-ultrauxthemepatcher/
UltraUXThemePatcher Tutorial:
http://www.tenforums.com/customization/76077-ultrauxthemepatcher-recover-black-grey-screen-windows-8-10-a.html
Windows 7/newer Themes:
http://www.majorgeeks.com/files/categories/themes.html
Windows 11 Themes:
http://www.deviantart.com/tag/windows11themes/
Windows 10 Themes:
http://www.deviantart.com/tag/windows10themes/
http://www.deviantart.com/sagorpirbd/art/Aero-7-Themes-for-Win10-Final-523979941/

http://www.deviantart.com/niivu/art/Sweetness-for-Windows-10-826122176/
Windows 8/8.1 Themes:
http://www.deviantart.com/tag/windows8themes/
Windows 7 Themes:
http://www.deviantart.com/tag/windows7themes/
View + Remove All built-in Windows 10 Themes:
http://www.majorgeeks.com/content/page/how_to_view_and_remove_all_windows_10_themes.html

* AeroRainbow for Windows 7/8/8.1/10/11:
http://www.winaero.com/aerorainbow/
File:
http://www.winaero.com/download.php?view.11

* Windows 7 Start button/icon/logo/orb Changer:
http://www.door2windows.com/windows-7-start-button-changer-change-your-windows-7-start-button-with-one-click/
File:
http://www.door2windows.com/download-freeware/?obsolete#Windows+7+Start+Orb+Changer
Guide:
http://www.intowindows.com/windows-7-start-orb-changer-lets-you-quickly-change-start-orb/

* MDGx Windows NTx Components, Add-ons, Extras, (Hot)Fixes, Patches, Upgrades, Updates:
- MDGx "Updates/(Hot)Fixes/Patches + Windows Update (WU)" chapter in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
- MDGx Windows Updates (WU) Tools [free(ware)] -> "TOOLS 10/11" chapter in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
- MDGx Windows NTx Add-ons, Components, Essentials, Extras, Patches, Power Toys, Tools, Updates, Utilities [free(ware)] in SOFTWARE.TXT (included):
http://www.mdgx.com/0.php#FWOS
	- MDGx Java Runtime Environment (JRE):
	http://www.mdgx.com/add.htm#JAVA
	- MDGx .NET Framework Redistributable (NFR):
	http://www.mdgx.com/add.htm#NFR
	- MDGx Visual Studio (VS) + Visual C++ (VC):
	http://www.mdgx.com/add.htm#VS6
	- MDGx "Windows Update Client (WUC) + Windows Update Agent (WUA)":
	http://www.mdgx.com/xptoy.htm#WUC
	- MDGx "Application Compatibility Toolkit (ACT)" topic in SOFTWARE.TXT:
	http://www.mdgx.com/xptoy.htm#ACT
	- MDGx Group Policy (GP):
	http://www.mdgx.com/xptoy.htm#GPO
	- MDGx File Manager (FM):
	http://www.mdgx.com/xptoy.htm#FMNT
	- MDGx Access Control Lists (ACL) + Ownership Tools:
	http://www.mdgx.com/xptoy.htm#ACL
	- MDGx NTFS Alternate Data Streams (ADS):
	http://www.mdgx.com/xptoy.htm#ADS
	- MDGx Free(ware) Windows NTx Extras:
	http://www.mdgx.com/xptoy.htm#2KXP
	- MDGx "1000+ Power Toys + Tweaking Tools [99.99% Free(ware)]":
	http://www.mdgx.com/toy.htm
_____

Free(ware) Windows 7 Replacement Apps + Tweaking Tools

* Vista Calculator (CALC.EXE):
http://www.askvg.com/get-windows-7-calculator-working-in-windows-vista/
http://www.askvg.com/get-windows-7-like-calculator-in-windows-xp/
http://grdcityboy.deviantart.com/art/Seven-Calculator-102484514
http://www.softpedia.com/reviews/windows/Windows-7-Calculator-Review-106024.shtml
http://www.7tutorials.com/windows-calculator-tool-geek-you/

* AeroCalc (Glass Theme):
http://www.door2windows.com/how-to-get-glass-calculator-in-windows-7vista/

* Notepad (Glass Theme):
http://www.door2windows.com/how-to-get-glass-notepad-in-windows-7vista/
Ribbon Notepad:
http://www.door2windows.com/get-notepad-with-ribbon-user-interface-in-windows-7vista/

* Command Prompt (Glass Theme):
http://www.door2windows.com/how-to-get-glass-command-prompt-in-windows-7vista/

* Ribbon Image Viewer:
http://www.door2windows.com/get-ribbon-user-interface-ui-image-viewer-in-windows-7vistaxp/

* Bubbles, Mystify, Ribbons, Lines + Aurora Screen Savers:
http://www.softpedia.com/get/Desktop-Enhancements/Screensavers/Vista-Screensaver-Ported-to-XP.shtml
Screen Savers Guides:
http://www.door2windows.com/tweak-bubbles-mystify-ribbons-lines-aurora-screensavers/
http://www.howtogeek.com/howto/15088/customize-the-default-screensavers-in-windows-7-and-vista/
http://www.winaero.com/comment.php?comment.news.9
http://www.tweaks.com/windows/39129/the-ultimate-windows-screensaver-tweaking-guide/

* XP Pipes (SSPIPES.SCR) Screen Saver:
http://www.bearblain.com/Downloads/sspipes.zip
http://www.mdgx.com/3dpipes.jpg

* 7Smoker Pro:
http://www.xp-smoker.com/7smokerpro.html
File:
http://www.majorgeeks.com/files/details/7smoker_pro.html

* Windows 7/newer tweaking tools [free(ware)]:
http://www.winaero.com/winaero-apps/
http://www.wintools.info/
http://www.thewindowsclub.com/category/downloads/
http://www.nirsoft.net/utils/
http://www.sordum.org/
http://www.itsamples.com/software.html
http://www.mitec.cz/Data/XML/data_downloads.xml
http://learn.microsoft.com/sysinternals/
http://www.majorgeeks.com/
http://www.majorgeeks.com/mg/sortname/windows_7_8.html
http://www.intowindows.com/15-free-windows-8-1-customization-tweaking-tools/
http://www.nextofwindows.com/a-list-of-windows-8-tweaking-tools/
http://www.thewindowsclub.com/list-freeware-releases-from-the-windows-club/
http://www.softpedia.com/hubs/Tweak-Windows-8/
http://www.snapfiles.com/freeware/system/fwsystweak.html
http://www.mdgx.com/xptoy.htm
http://www.mdgx.com/toy.htm
http://www.mdgx.com/nettoys.htm
http://www.mdgx.com/fw.htm
http://www.mdgx.com/tools.php

* MDGx "Similar Windows 7/newer Anti-Spyware/Privacy Tools" section in 10_BLOCK.TXT (included):
http://www.mdgx.com/xptoy.htm#10BLK
http://www.mdgx.com/10BLK/10_BLOCK.php
http://www.mdgx.com/10BLK/10_BLOCK.TXT

* MDGx "Free(ware) Windows NTx Extras" section in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm

* MDGx "1000+ Windows NTx Power Toys + Tweaking Tools [99.9% free(ware)]" section in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm

* MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
_____

Free(ware) Start Menu Shell Replacements

Most of these tools apply to all Windows 7/newer builds/editions/releases/versions.

* Open-Shell [Classic Shell fork] 32-bit + 64-bit Start Menu + button/icon/logo/orb, Explorer + IE enhancer, replacer, supports custom skins, buttons/logos, highly customizable (free, open source):
http://open-shell.github.io/Open-Shell-Menu/
ReadMe:
http://github.com/Open-Shell/Open-Shell-Menu/
Download:
http://github.com/Open-Shell/Open-Shell-Menu/releases/
Open-Shell Guides:
http://askleo.com/open-shell-regain-your-start-menu-in-windows-and-much-more/
http://www.techrepublic.com/article/how-to-use-open-shell-as-your-windows-10-start-menu/
Custom Start button/icon/logo/orb Tutorial:
http://coddec.github.io/Classic-Shell/www.classicshell.net/tutorials/buttontutorial.html
Custom Skin Tutorial:
http://coddec.github.io/Classic-Shell/www.classicshell.net/tutorials/skintutorial.html
Skins:
http://www.winaero.com/best-skins-for-classic-shells-start-menu/
http://www.classicshell.net/gallery/Start-Menu/skins/

http://www.classicshell.net/forum/viewforum.php?f=17
Start Buttons/Orbs:
http://www.classicshell.net/forum/viewforum.php?f=18
http://www.deviantart.com/w1ck3dmatt/art/Mega-Orb-Pack-150-start-orbs-259940654/
http://www.door2windows.com/customization/start-buttons/
Aero Glass mod [Windows 8/8.1 style UI] for Windows 8/newer:
https://web.archive.org/web/20220625201001/http://www.glass8.eu/
Open-Shell/Classic Shell Free(ware) Alternatives:
http://classicshell.sourceforge.net/alternatives.html
http://classic-shell.en.softonic.com/windows/alternatives/
http://www.alternativeto.net/software/classicshell/
http://www.makeuseof.com/tag/windows-start-menu-alternatives/
http://www.similarindex.com/classic-shell-alternatives/

* Power8 Start Menu replacer for Windows 8/8.1, works with Windows 7:
http://github.com/AgentMC/power8/
Download:
http://github.com/AgentMC/power8/releases/latest/

* Start Menu X Start Menu replacer [CRIPPLED FREEWARE!] for Windows 7/newer:
http://www.startmenux.com/
File:
http://www.startmenux.com/StartMenuX_Setup_freeware.exe

* Pokki Start Menu replacer for Windows 8/8.1, works with Windows 7:
http://www.pokki.com/
File:
http://cdn.pokki.com/download/PokkiStartMenuInstaller.exe
_____

Turn OFF/ON User Account Control (UAC)

Most of these tweaks apply to all Windows 7/newer builds/editions/releases/versions.

* FIX (Temporary): In Windows Vista/newer you must right-click each app/file/executable/program/installer/DOS console (command prompt)/BATch (CoMmanD) file/icon/link/shortcut/script/screen saver/etc and select "Run as Administrator" every time you're trying to use it in order to execute/run it/them the way they were intended, fully functional.
Otherwise a nagging dialog box will pop up and you will be prompted to Run.../Open/Save/etc them, or you won't be allowed to execute/run them every time you (double-)click on them directly or their icons/links/shortcuts (.lnk), and you will notice most of them will not execute/function/operate/run properly, and/or are crippled, exhibit abnormalities, limitations, restrictions, and/or inappropriate behavior. ;-(
* FIX (Permanent): Turn OFF User Account Control (UAC):
- Windows 10/2016/2019/2022/11/2025:
http://www.tenforums.com/tutorials/3577-user-account-control-uac-change-settings-windows-10-a.html
- Windows 8/2012/8.1/2012 R2:
http://www.eightforums.com/tutorials/5509-user-account-control-uac-change-settings-windows-8-a.html
- Windows 7/7 SP1/2008 R2:
http://petri.com/disable-uac-in-windows-7/
- Windows Vista/2008:
http://petri.com/disable_uac_in_windows_vista/
* IMPORTANT:
****
- Always make sure you have Administrative (admin, administrator, main/principal/power user, owner, sysadmin, SYSTEM) privileges + rights for all computer(s)/device(s)/media in your environment (unless you are a user without administrative privileges/rights in a business/education/enterprise/multiuser connected/networked/shared environment), and that you are using approved/authorized/certified/legitimate/safe/scanned/secure/trustworthy apps/files/programs/software/etc, preferably located + stored on your authorized/sanctioned local/personal storage device(s)/media.
- Always make sure all files acquired/copied/downloaded/installed/obtained/etc from external/remote/shared/other sources/media/networks/internet/etc are approved/authorized/certified/legitimate/safe/scanned/secure/trustworthy.
- Always make sure to schedule your anti-virus/anti-malware app/program/service/software to check/scan [+ clean-up if necessary] periodically all your computer(s)/device(s) + storage device(s)/media for malware/spyware/viruses.
http://www.mdgx.com/vir.htm

* UAC_OFF.REG registry script file disables all User Account Control (UAC) annoyances in Windows 7/newer:
http://www.tenforums.com/user-accounts-family-safety/98737-standard-user-able-access-admin-folders.html
http://batcmd.com/windows/7/services/luafv/
http://parsons-technology.com/what-is-luafv/
http://learn.microsoft.com/windows-hardware/customize/desktop/unattend/microsoft-windows-lua-settings/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/user-account-control-group-policy-and-registry-key-settings/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/how-user-account-control-works/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/user-account-control-security-policy-settings/
http://learn.microsoft.com/openspecs/windows_protocols/ms-gpsb/9ad50fd3-4d8d-4870-9f5b-978ce292b9d8/
http://learn.microsoft.com/openspecs/windows_protocols/ms-gpsb/7c705718-f58e-4886-8057-37c8fd9aede1/
http://www.stigviewer.com/stig/windows_10/2020-06-15/finding/V-63827
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.Auditing::IncludeCmdLine
1st Things 1st:
****

BACKUP YOUR REGISTRY BEFORE MAKING ANY CHANGES! -> See "BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S)" in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21
WARNING:
****
If LUAfv service [provided by the %WinDir%\SYSTEM32\DRIVERS\luafv.sys driver] is disabled [.reg file below: "Start"=dword:4] certain Windows components/features/functions will not work, and Windows Server users may experience errors in multiuser/networked/shared/education/enterprise/server environments:
http://developpaper.com/windows-ad-error-message-resolution-uac-file-virtualization-service-failed-to-start-this-driver-is-blocked-from-loading/
http://www.wincert.net/windows-server/event-id-7000-uac-file-virtualization-error/
http://www.microsoftpressstore.com/articles/article.aspx?p=2228450&seqNum=9
http://www.programmersought.com/article/27216104324/
Examples:
- Internet Explorer (IE) [DISCONTINUED!] sandbox mode = DISABLED;
- Live/Metro/Screen/Start/Tile (Store) UWP (Universal Windows Platform) apps = DISABLED;
- certain Windows Server components + functions [unnecessary + wasteful of computing resources for Windows 7/newer Basic/Core/Desktop/Education/Home/Premium/Pro(fessional)/Starter/Ultimate editions] = DISABLED.
CAUTION:
****
This requires adequate/basic knowledge about critical computing, operating systems, shared environments, networks, cybersecurity.
http://www.mdgx.com/importnt.php
Recommended for single user environments without any add-ons/components/extensions/extras/features/services which may require specific configurations/items/properties/settings for proper operation.
Not recommended for multiuser/networked/shared/education/enterprise/server environments processing/storing/delivering encrypted/protected/secure critical/private/sensitive/vital analysis/data/information.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; MUST restart/reboot after turning UAC ON or OFF !
; Disable User Account Control file virtualization (LUAfv) Service:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\luafv]
"Start"=dword:4
; Disable ALL UAC settings:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System]
"ConsentPromptBehaviorAdmin"=dword:0
"ConsentPromptBehaviorUser"=dword:1
"DisableStatusMessages"=dword:0
"DontDisplayLastUserName"=dword:0
"EnableInstallerDetection"=dword:0
"EnableLUA"=dword:0
"EnableSecureUIAPaths"=dword:0
"EnableUIADesktopToggle"=dword:1
"EnableVirtualization"=dword:1
"FilterAdministratorToken"=dword:0
"NoInternetOpenWith"=dword:1
"PromptOnSecureDesktop"=dword:0
"SCForceOption"=dword:0
"SynchronousMachineGroupPolicy"=dword:0
"SynchronousUserGroupPolicy"=dword:0
"ValidateAdminCodeSignatures"=dword:0
"VerboseStatus"=dword:0
;
```

------End cut & paste here------
Perform same steps for UAC_OFF.BAT BATch (.bat) file, which also disables UAC:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: MUST restart/reboot after turning UAC ON or OFF !
:: Disable User Account Control file virtualization (LUAfv) Service:
ECHO Y|NET.EXE STOP luafv
SC.EXE CONFIG luafv START= disabled
:: Disable UAC:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v EnableLUA /t REG_DWORD /d 0 /f
:END
EXIT
```

------End cut & paste here------
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:

http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
Restart/reboot Windows for all changes to take effect.
FYI:
****
Windows 10/newer users -> use a dedicated tool [free]:
Defender Remover / Defender Disabler (DR/DD) for Windows 10/newer completely disables + removes User Account Control (UAC) [a.k.a. Windows File Virtualization (WFV)], Windows Defender, Windows Security app + services, Windows Virtualization Based Security (VBS), Windows SmartScreen, Windows Web Threat service, Microsoft Defender Guard app, Microsoft Driver Block List (DBL), System Mitigations + Windows Defender section from Windows Settings (WS) using PowerShell + Registry scripts:
http://github.com/ionuttbara/windows-defender-remover/
File [Portable EXE]:
http://github.com/ionuttbara/windows-defender-remover/releases/latest/
Required:
Explorer -> right-click DefenderRemover.exe -> Run as Administrator -> follow instructions.
FYI:
Some of these apps/components/features/services/settings can be disabled/removed *only* if using OLDer Windows 10 builds/editions/releases/versions.

* UAC_ON.REG registry script file (re)enables all User Account Control (UAC) annoyances in Windows 7/newer:
http://www.tenforums.com/user-accounts-family-safety/98737-standard-user-able-access-admin-folders.html
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/user-account-control-group-policy-and-registry-key-settings/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/how-user-account-control-works/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/user-account-control-security-policy-settings/
http://learn.microsoft.com/openspecs/windows_protocols/ms-gpsb/9ad50fd3-4d8d-4870-9f5b-978ce292b9d8/
http://learn.microsoft.com/openspecs/windows_protocols/ms-gpsb/7c705718-f58e-4886-8057-37c8fd9aede1/
http://www.stigviewer.com/stig/windows_10/2020-06-15/finding/V-63827
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.Auditing::IncludeCmdLine
CAUTION:
****
This requires adequate/basic knowledge about critical computing, operating systems, shared environments, networks, cybersecurity.
http://www.mdgx.com/importnt.php
Recommended for single user environments without any add-ons/components/extensions/extras/features/services which may require specific configurations/items/properties/settings for proper operation.
Not recommended for multiuser/networked/shared/education/enterprise/server environments processing/storing/delivering encrypted/protected/secure critical/private/sensitive/vital analysis/data/information.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
```
REGEDIT4
; MUST restart/reboot after turning UAC ON or OFF !
; Enable User Account Control file virtualization (LUAfv) Service:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\luafv]
"Start"=dword:2
; Enable ALL UAC settings:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System]
"ConsentPromptBehaviorAdmin"=dword:2
; "ConsentPromptBehaviorUser"=dword:3
"ConsentPromptBehaviorUser"=dword:0
"DisableStatusMessages"=dword:1
"DontDisplayLastUserName"=dword:1
"EnableInstallerDetection"=dword:1
"EnableLUA"=dword:1
"EnableSecureUIAPaths"=dword:1
"EnableUIADesktopToggle"=dword:0
"EnableVirtualization"=dword:0
"FilterAdministratorToken"=dword:1
"NoInternetOpenWith"=dword:0
"PromptOnSecureDesktop"=dword:1
"SCForceOption"=dword:1
"SynchronousMachineGroupPolicy"=dword:1
"SynchronousUserGroupPolicy"=dword:1
"ValidateAdminCodeSignatures"=dword:1
"VerboseStatus"=dword:1
;
```
------End cut & paste here------
Perform same steps for UAC_ON.BAT BATch (.bat) file, which also (re)enables UAC:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
```

```
:: MUST restart/reboot after turning UAC ON or OFF !
:: Enable User Account Control file virtualization (LUAfv) Service:
ECHO Y|NET.EXE START luafv
SC.EXE CONFIG luafv START= auto
:: Enable UAC:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v EnableLUA /t REG_DWORD /d 1 /f
:END
EXIT
------End cut & paste here------
Restart/reboot Windows for all changes to take effect.

* Elevate low/standard/Administrator level end/home/local/single user access/permissions/privileges/rights to
system wide/network/root/server Administrator/SYSTEM/Sysadmin level in Windows Vista/newer:
http://www.tenforums.com/user-accounts-family-safety/98737-standard-user-able-access-admin-folders.html
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/user-account-control-group-policy-and-registry-key-
settings/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/how-user-account-control-works/
http://learn.microsoft.com/windows/security/identity-protection/user-account-control/user-account-control-security-policy-settings/
http://learn.microsoft.com/openspecs/windows_protocols/ms-gpsb/9ad50fd3-4d8d-4870-9f5b-978ce292b9d8/
http://learn.microsoft.com/openspecs/windows_protocols/ms-gpsb/7c705718-f58e-4886-8057-37c8fd9aede1/
http://www.stigviewer.com/stig/windows_10/2020-06-15/finding/V-63827
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.Auditing::IncludeCmdLine
1st Things 1st:
***************
BACKUP YOUR REGISTRY BEFORE MAKING ANY CHANGES! -> See "BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S)" in
WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21
CAUTION:
********
This requires adequate/basic knowledge about critical computing, operating systems, shared environments, networks,
cybersecurity.
http://www.mdgx.com/importnt.php
Recommended for single user environments without any add-ons/components/extensions/extras/features/services which may
require specific configurations/items/properties/settings for proper operation.
Not recommended for multiuser/networked/shared/education/enterprise/server environments processing/storing/delivering
encrypted/protected/secure critical/private/sensitive/vital analysis/data/information.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System]
"ConsentPromptBehaviorAdmin"=dword:0
"ConsentPromptBehaviorUser"=dword:3
"EnableFullTrustStartupTasks"=dword:1
"EnableInstallerDetection"=dword:0
"EnableLUA"=dword:0
"EnableSecureUIAPaths"=dword:0
"EnableUwpStartupTasks"=dword:1
"EnableUIADesktopToggle"=dword:1
"EnableVirtualization"=dword:1
"FilterAdministratorToken"=dword:1
"PromptOnSecureDesktop"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\Audit]
"ProcessCreationIncludeCmdLine_Enabled"=dword:0
;
------End cut & paste here------
OR:
BATch (.bat)/CoMmanD (.cmd) script below 1st checks if the user has Administrator/SYSTEM/Sysadmin
access/permissions/privileges/rights, and only if condition is met it will run the script, otherwise it will abort and
exit (example):
http://stackoverflow.com/questions/14639743/
http://www.robvanderwoude.com/clevertricks.php
http://stackoverflow.com/questions/4051883/
http://superuser.com/questions/667607/
http://www.sevenforums.com/tutorials/11949-elevated-program-shortcut-without-uac-prompt-create.html
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
NET.EXE session
IF %ERRORLEVEL% EQU 0 (
ECHO.
ECHO ############################################################
```

```
ECHO You seem to have (Sys)Admin/SYSTEM privileges. Continue...
ECHO ############################################################
ECHO.
:: ECHO Press a key to continue...
:: PAUSE >NUL 2>&1
GOTO CNT
) ELSE (
ECHO.
ECHO ############################################################################
ECHO Administrator/SYSTEM/Sysadmin *REQUIRED* to perform operations below !
ECHO Right-click this BATch/icon/shortcut + select "Run as Administrator",
ECHO OR log/sign back in as Administrator/SYSTEM/Sysadmin + then repeat step above.
ECHO ############################################################################
ECHO.
ECHO Press a key to exit...
PAUSE >NUL 2>&1
GOTO END
EXIT /B 1
)
:CNT
ECHO.
ECHO ####################################################################
ECHO Make sure you're familiar with all settings below *before* running
ECHO this script = see web pages at the top of this topic for info.
ECHO Abort if you need more time, then run this BATch again when ready.
ECHO ####################################################################
ECHO.
ECHO * Press a key to continue, OR...
ECHO * Hold Ctrl + press Break/Pause -> press Y -> press Enter to abort...
PAUSE >NUL 2>&1
:: Admin Consent: 0 = Elevate without prompting | 1 = Prompt for credentials secure desktop | 2 = Prompt for consent secure
:: desktop | 3 = Prompt for credentials | 4 = Prompt for consent | 5 = Prompt for consent non-Windows binaries [DEFAULT]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "ConsentPromptBehaviorAdmin" /t REG_DWORD /d 0 /f
:: User Consent: 0 = Automatically deny elevation requests | 1 = Prompt for credentials on secure desktop | 3 = Prompt for
:: credentials [DEFAULT]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "ConsentPromptBehaviorUser" /t REG_DWORD /d 3 /f
:: Allow fully trusted startup tasks: 0 = Disabled | 1 = Enabled | 2 = Filtered (UAC) [DEFAULT]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableFullTrustStartupTasks" /t REG_DWORD /d 1 /f
:: Detect app installs and prompt for elevation: 1 = Enabled [DEFAULT = Home] | 0 = Disabled [DEFAULT = Enterprise]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableInstallerDetection" /t REG_DWORD /d 0 /f
:: Run all Admins in Admin approval mode: 0 = Disabled (UAC) | 1 = Enabled (UAC):
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableLUA" /t REG_DWORD /d 0 /f
:: Elevate only UIAccess apps installed in secure locations: 0 = Disabled | 1 = Enabled [DEFAULT]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableSecureUIAPaths" /t REG_DWORD /d 0 /f
:: Allow UWP (Universal Windows Platform) startup tasks: 0 = Disabled [DEFAULT] | 1 = Enabled | 2 = Filtered (UAC) [?]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableUwpStartupTasks" /t REG_DWORD /d 1 /f
:: Allow UIAccess apps to prompt for elevation without secure desktop: 0 = Disabled [DEFAULT] | 1 = Enabled:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableUIADesktopToggle" /t REG_DWORD /d 1 /f
:: Enable virtualization: 0 = Disabled | 1 = Enabled [DEFAULT]:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "EnableVirtualization" /t REG_DWORD /d 1 /f
:: Admin approval mode for built-in Admin account: 0 = Disabled [DEFAULT] | 1 = Enabled:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "FilterAdministratorToken" /t REG_DWORD /d 1 /f
:: Allow UIAccess apps to prompt for elevation without secure desktop: 0 = Disabled [DEFAULT] | 1 = Enabled:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System" /v "PromptOnSecureDesktop" /t REG_DWORD /d 0 /f
:: Command-line audit logging: 1 = Enable command-line audit logging | 0 = Disable command-line audit logging:
REG.EXE ADD "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\Audit" /v "ProcessCreationIncludeCmdLine_Enabled" /t REG_DWORD
/d 0 /f
:END
EXIT
------End cut & paste here------
BATch (.bat)/CoMmanD (.cmd) script example bellow elevates user access/permissions/privileges/rights to "Run as
Administrator", and continues running it in the same session without exiting. Just replace [cut & paste] the 2 lines bellow
the ") ELSE (" line with your desired script code -> see comment line starting with a double colon [:: ]:
http://www.robvanderwoude.com/clevertricks.php
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF '%ERRORLEVEL%' NEQ '0' (
ECHO SET UAC=CreateObject^("Shell.Application"^)>"%TEMP%\runasadm.vbs"
ECHO UAC.ShellExecute "%~s0","","","runas",1>>"%TEMP%\runasadm.vbs"
"%TEMP%\runasadm.vbs"
```

```
DEL /F /Q "%TEMP%\runasadm.vbs"
EXIT /B
) ELSE (
:: Replace next 2 lines with script code you wish to run as Administrator:
PUSHD "%CD%"
CD /D "%~dp0"
)
:END
EXIT
------End cut & paste here------
```

* Turn OFF Secure (Dimmed) Desktop for User Account Control (UAC) prompt in Windows 7/newer:
http://msdn.microsoft.com/library/cc232766.aspx
http://www.tenforums.com/tutorials/112520-enable-disable-dimmed-secure-desktop-uac-prompt-windows.html
http://github.com/okieselbach/Intune/blob/master/DisablePromptOnSecureDesktop.ps1
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System]
"PromptOnSecureDesktop"=dword:0
;
------End cut & paste here------
```

* Change User Account Control (UAC) settings in Windows 7/newer:
- Disable Windows User Access Control (UAC):
http://www.keithholloway.net/blog/how-to-disable-windows-user-access-control-uac/
- Registry Tweaks to Customize User Account Control (UAC) Options in Windows Vista and Later:
http://www.askvg.com/how-to-tweak-user-account-control-uac-options-in-windows-vista-home-basic-home-premium/
- UAC and Application Run Levels:
http://www.slickit.ca/2009/05/uac-and-application-run-levels.html
- MSKB: Disable UAC Prompt for certain apps:
https://web.archive.org/web/20080103052016/http://support.microsoft.com/kb/946932
- MSKB: Disabling UAC Prompt for certain apps:
https://web.archive.org/web/20121225075400/http://kartones.net/blogs/kartones/archive/2008/01/21/kb946932-disabling-uac-prompt-for-certain-apps-not-that-useful.aspx
- Selectively disable UAC for trusted Windows Vista/7/newer apps:
http://www.techrepublic.com/blog/windows-and-office/selectively-disable-uac-for-your-trusted-vista-applications/
- MS DOCs: UAC Group Policy Settings and Registry Key Settings:
http://technet.microsoft.com/library/dd835564.aspx
- MSDN: FilterAdministratorToken Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232760.aspx
- MSDN: ConsentPromptBehaviorAdmin Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232761.aspx
- MSDN: ConsentPromptBehaviorUser Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232762.aspx
- MSDN: EnableInstallerDetection Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232763.aspx
- MSDN: ValidateAdminCodeSignatures Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232764.aspx
- MSDN: EnableLUA Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232765.aspx
- MSDN: PromptOnSecureDesktop Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232766.aspx
- MSDN: EnableVirtualization Registry DWORD [REG_DWORD] value:
http://msdn.microsoft.com/library/cc232767.aspx
- MSKB: PromptOnSecureDesktop Registry Value:
http://support.microsoft.com/kb/975788/
- Configure Windows UAC prompt behavior for admins and users:
http://www.ghacks.net/2013/06/20/how-to-configure-windows-uac-prompt-behavior-for-admins-and-users/
- Changing How UAC Works (The Hard Way):
http://sourcedaddy.com/windows-7/changing-how-uac-works-the-hard-way.html
- Windows 7: User Account Control (UAC) Change Notification Settings:
http://www.sevenforums.com/tutorials/299-user-account-control-uac-change-notification-settings.html
- MSKB: Adjust User Account Control Settings in Windows 7/8/8.1:
http://support.microsoft.com/kb/975787/

* Free(ware) User Account Control (UAC) tools:
- UAC Pass 32-bit + 64-bit:
http://sites.google.com/site/freeavvarea/uac-pass/uac-pass/
Download:
http://www.majorgeeks.com/files/details/uac_pass.html
- TweakUAC:
http://www.winability.com/tweak-uac/
Download:
http://www.majorgeeks.com/files/details/tweakuac.html
File:
http://www.winability.com/download/TweakUAC.exe

- Disable UAC:
http://www.majorgeeks.com/files/details/disable_uac.html

* Always Run as Administrator:
http://www.superuser.com/questions/204781/
A. Add User to Administrators Group + remove User from Users Group:
1. Log/sign in as Administrator -> Run... [hold WinKey + press R] -> type:
CONTROL.EXE userpasswords2
-> press Enter.
2. Your Account Name -> Properties -> Group Membership tab -> Administrators -> OK -> OK.
B. Disable Approval Mode:
http://www.askvg.com/how-to-tweak-user-account-control-uac-options-in-windows-vista-home-basic-home-premium/
http://www.tweakhound.com/vista/tweakguide/page_5.htm
http://msdn.microsoft.com/library/cc232771.aspx
1. Log/sign in as Administrator -> Run... [hold WinKey + press R] -> type:
SECPOL.MSC
-> press Enter.
2. Local Polices -> Security Options.
3. User Account Control (UAC): Switch to secure desktop when prompting for elevation -> Disable -> OK.
4. Must restart/reboot for these changes to take effect.

* Windows NTx NTFS Access Control List (ACL) access/elevation/level/ownership/permissions/privileges/rights/status + run as Admin(istrator)/main/principal user/Owner/Sysadmin/System free(ware) tools -> "NTFS ACL + OWNER" -> TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
MDGx "Access Control Lists (ACL) + Ownership Tools" [free(ware)] for Windows NTx" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/xptoy.htm#ACL
_____

Free(ware) BOOT Tools + Tweaks

Most of these tools apply to all Windows 7/newer builds/editions/releases/versions.

* MDGx "Free(ware) Windows Boot Managers" section in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#BOO

* MDGx "Free(ware) Windows Boot Tweakers" section in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#BINI

* MDGx "Free(ware) DOS Boot Managers" section in SOFTWARE.TXT (included):
http://www.mdgx.com/dos.htm#BTM

* MDGx "BOOT 7" + "RECOVERY" sections in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* BellaVista 32-bit + 64-bit BOOT.INI, Boot Configuration Data (BCD) + BCDEdit.exe interface (GUI) tweaking tool:
http://www.zezula.net/en/fstools/bellavista.html
File:
http://www.zezula.net/download/bellavista_en.zip

* Visual BCD Editor (VBCDE) Boot Configuration Data (BCD) + BCDEdit.exe interface (GUI) tweaking tool:
http://www.boyans.net/
VBCDE Download:
http://www.boyans.net/DownloadVisualBCD.html
File:
http://www.boyans.net/VisualBcd/VisualBcd_0.9.3.1.msi
VBCDE DOCument:
http://www.boyans.net/VisualBCD_doc.htm
VBCDE Guide:
http://www.boyans.net/VBCD_HowTo.html

* Dual-Boot Repair (DBR) GUI tool repairs any Windows XP/newer multi-boot setup:
http://www.boyans.net/dual-boot-repair-windows-10.html
File:
http://www.boyans.net/dbr7/dbr-1.3.0.0.zip
Online Help:
http://www.boyans.net/DualBootRepairHelp.html
Repair Windows boot:
http://www.boyans.net/RepairWindows/repair-windows-boot.html
Requires Microsoft .NET Framework Redistributable (NFR) 2.0/newer (free):
http://www.mdgx.com/add.htm#NFR

* EasyBCD Community Edition 32-bit Boot Configuration Data (BCD), BCDEDIT.EXE + BOOT.INI interface (GUI) tweaking tool:
http://www.neosmart.net/EasyBCD/
File:

http://www.softpedia.com/get/System/OS-Enhancements/EasyBCD.shtml
EasyBCD Online DOCumentation:
http://www.neosmart.net/wiki/easybcd/

* MBRFix 32-bit + 64-bit DOS console command line MBR/EMBR [(Extended) Master Boot Record] creator/editor/backup/repair/restore tool:
http://sysint.no/en/mbrfix/
File:
http://sysint.no/wp-content/uploads/mbrfix.zip
http://www.softpedia.com/get/System/Hard-Disk-Utils/MBRFix.shtml
MBR (Master Boot Record) Guide:
http://thestarman.pcministry.com/asm/mbr/#MBR
Wikipedia: Master Boot Record:
http://en.wikipedia.org/wiki/Master_boot_record
Wikipedia: Extended (Partition) Boot Record:
http://en.wikipedia.org/wiki/Extended_boot_record

* Stop Check Disk (ChkDsk) from Running at Startup:
http://www.top-password.com/blog/stop-check-disk-chkdsk-from-running-at-startup/
http://www.top-password.com/blog/how-to-manually-clear-or-set-dirty-bit-on-windows-volume/
http://learn.microsoft.com/windows-server/administration/windows-commands/chkntfs/
http://www.ss64.com/nt/chkntfs.html
Check Disk (ChkDsk) [CHKDSK.EXE] + Check NTFS (ChkNTFS) [CHKNTFS.EXE] executable DOS console command line tools are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Exclude all drives/partitions/volumes from boot/startup check + turn OFF check NTFS disk/partition/volume AUTOCHK countdown time: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
CHKNTFS.EXE /X C: D: E: F: G: H: I: J: K: L: M: N: O: P: Q: R: S: T: U: V: W: X: Y: Z:
CHKNTFS.EXE /T:0
View these DOS console tools command line options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
CHKDSK.EXE /?
CHKNTFS.EXE /?

* Turn ON Solid State memory Drive (SSD) TRIM Advanced Technology Attachment (ATA) command to maximize performance for all active/available/configured/connected/installed/linked/local/networked/remote/removable logical/physical cards/devices/discs/disks/media/sticks drives/partitions/volumes in Windows 7/newer using File System Utility (FSUtil) [FSUTIL.EXE] command line tool:
http://learn.microsoft.com/windows-server/administration/windows-commands/fsutil/
http://learn.microsoft.com/windows-server/administration/windows-commands/fsutil-8dot3name/
http://learn.microsoft.com/windows-server/administration/windows-commands/fsutil-behavior/
http://www.ss64.com/nt/fsutil.html
http://www.commandwindows.com/fsutil.htm
TRIM ATA command:
http://en.wikipedia.org/wiki/Trim_(computing)
Troubleshoot Disks + File Systems:
http://technet.microsoft.com/library/bb457122.aspx
Windows 7/7 SP1 FSUTIL.EXE Hotfix/Update 32-bit + 64-bit improves compatibility with Advanced Format Disk Drives (AFD):
http://support.microsoft.com/kb/982018/
Download:
http://www.catalog.update.microsoft.com/search.aspx?q=KB982018
- FSUTIL.EXE Hotfix 64-bit for Windows 7/7 SP1 64-bit (x64):
http://download.windowsupdate.com/msdownload/update/software/updt/2011/04/windows6.1-kb982018-v3-x64_7853a1c9c63611e17cd2c923704bf2e924bdfe7b.msu
- FSUTIL.EXE Hotfix 32-bit for Windows 7/7 SP1 32-bit (x86):
http://download.windowsupdate.com/msdownload/update/software/updt/2011/04/windows6.1-kb982018-v3-x86_b009d84249f14d4eaae7aa522be37c38dd83531b.msu
Advanced Format Disk (AF):
http://en.wikipedia.org/wiki/Advanced_Format
FSUTIL behavior command line options, switches + parameters:
http://technet.microsoft.com/library/cc785435.aspx
FSUtil quota command line options, switches + parameters:
http://technet.microsoft.com/library/cc788136.aspx
FSUtil resource command line options, switches + parameters:
http://technet.microsoft.com/library/ff621564.aspx
FSUtil usn command line options, switches + parameters:
http://technet.microsoft.com/library/cc788042.aspx
FSUtil fsinfo command line options, switches + parameters:
http://technet.microsoft.com/library/cc788080.aspx
FSUtil 8dot3name command line options, switches + parameters:
http://technet.microsoft.com/library/ff621566.aspx
FSUtil dirty command line options, switches + parameters:
http://technet.microsoft.com/library/cc788091.aspx
FSUtil file command line options, switches + parameters:
http://technet.microsoft.com/library/cc788058.aspx
Monitor Disk Space using FSUtil:

http://www.sqlservercentral.com/blogs/powersql-by-prashanth-jayaram/2016/09/27/sql-server-monitoring-disk-space-with-fsutil-command-line-utility/
Monitor File System using FSUtil:
http://tutorial.wmlcloud.com/windows_server/Windows-Server-2008-Server-Core---Monitoring-the-File-System-with-the-FSUtil-Command-(part-1)---Behavior,-Dirty---File.aspx
Some of the FSUtil command line parameters correspond to Registry DWORD [REG_DWORD] 32-bit values under the Hive Key Local Machine (HKLM) FileSystem subkey:
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\FileSystem
Examples:

FSUtil Parameter	Registry Value
AllowExtChar	NtfsAllowExtendedCharacterIn8dot3Name
BugcheckOnCorrupt	NtfsBugcheckOnCorrupt
Disable8dot3	NtfsDisable8dot3NameCreation
DisableCompression	NtfsDisableCompression
DisableDeleteNotify	DisableDeleteNotification
DisableEncryption	NtfsDisableEncryption
DisableLastAccess	NtfsDisableLastAccessUpdate
EncryptPagingFile	NtfsEncryptPagingFile
MemoryUsage	NtfsMemoryUsage

FSUtil [FSUTIL.EXE] executable DOS console command line tool is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Turn ON SSD/NVMe TRIM ATA command
http://en.wikipedia.org/wiki/Trim_(computing)
to maximize performance for all local/removable logical/physical SSD/NVMe disks/partitions/volumes (if any), including the boot disk/partition -> DisableDeleteNotify [0 = ON | 1 = OFF]:
http://www.howtogeek.com/257196/how-to-check-if-trim-is-enabled-for-your-ssd-and-enable-it-if-it-isnt/
http://www.thomas-krenn.com/en/wiki/Optimize_Windows_for_SSDs
http://www.pchardwarehelp.com/guides/optimize-ssd-windows.php
http://www.howtogeek.com/256859/dont-waste-time-optimizing-your-ssd-windows-knows-what-its-doing/
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (examples):

```
FSUTIL.EXE behavior set DisableDeleteNotify 0
FSUTIL.EXE behavior set AllowExtChar 1
FSUTIL.EXE behavior set BugcheckOnCorrupt 0
FSUTIL.EXE behavior set DisableCompression 0
FSUTIL.EXE behavior set DisableEncryption 0
FSUTIL.EXE behavior set DisableLastAccess 0
FSUTIL.EXE behavior set EncryptPagingFile 1
FSUTIL.EXE behavior set MemoryUsage 2
FSUTIL.EXE behavior set Disable8dot3 0
```

View FSUtil [FSUTIL.EXE] command line options, switches + parameters (examples): from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:

```
FSUTIL.EXE
FSUTIL.EXE behavior set
```

* Turn ON non-volatile cache [EnableNvCache], solid state mode [EnableSolidStateMode], optimize boot sequence [OptimizeBootAndResume] + turn OFF power saving mode state [EnablePowerModeState] registry DWORD [REG_DWORD] values for all active/available/configured/connected/installed/linked/local/networked/remote/removable logical/physical NVMe (Non Volatile Memory express), SSD (Solid State Disk) + HDD (Hard Disk Drive) hybrid disks/media in Windows 7/newer:
http://admx.help/HKLM/Software/Policies/Microsoft/Windows/NvCache
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.DiskNVCache::FeatureOffPolicy
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.DiskNVCache::SolidStatePolicy
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.DiskNVCache::CachePowerModePolicy
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.DiskNVCache::BootResumePolicy
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\NvCache]
"EnableNvCache"=dword:0
"EnablePowerModeState"=dword:0
"EnableSolidStateMode"=dword:0
"OptimizeBootAndResume"=dword:1
;
```

------End cut & paste here------
Restart/reboot Windows for all changes to take effect.

* Turn OFF Maintain Objects List (MOL) global flag for local open files + turn OFF all local/removable logical/physical disks/partitions/volumes performance counters:
http://learn.microsoft.com/windows-server/administration/windows-commands/openfiles/
http://learn.microsoft.com/windows-server/administration/windows-commands/diskperf/
http://www.ss64.com/nt/openfiles.html

Open Files (OpenFiles) [openfiles.exe] + Disk Performance (DiskPerf) [DISKPERF.EXE] executable DOS console command line tools are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
openfiles.exe /Local OFF
DISKPERF.EXE -N
View these DOS console tools command line options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
openfiles.exe /?
DISKPERF.EXE /?
See also "* Turn OFF Diagnostic Tracing [DiagTrack], Data Collection/Logging [DataCollection], Telemetry + Performance Counters..." section further above.

* BootCfg [BOOTCFG.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS]:
http://learn.microsoft.com/windows-server/administration/windows-commands/bootcfg/
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Windows Recovery Console (WRC) command used to build or modify the BOOT.INI file in Windows 2000/XP/2003 -> "Free(ware) Windows 9x/NTx Boot Tweakers" chapter -> SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#BINI
BootCfg can be used to multi-boot with other operating systems (OSes) like Windows 9x/NTx, Linux, etc.
NOTE:
In Windows 2000/XP/2003 BootCfg is available only from within the Recovery Console.
View BootCfg [BOOTCFG.EXE] options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
BOOTCFG.EXE /?

* Switch Windows Vista/7/7 SP1 Boot Disk drive/partition/volume letters using BcdBoot [BCDBOOT.EXE]:
http://www.hanselman.com/blog/SwitchingMyWindows7BootDiskFromDToCWithBCDBootRatherThanBCDEdit.aspx
http://social.technet.microsoft.com/forums/windows/1a909e7c-6ffe-48df-a179-6cba7256e836/
http://www.boyans.net/MoveWindows7BootFilesToAnotherDrive.html
BcdBoot is a Windows Vista/7/7 SP1 BCD boot file creation + repair command line tool.
BcdBoot [BCDBOOT.EXE] executable is available only in Windows Vista/7/7 SP1, and is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
View BcdBoot command line options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
BCDBOOT.EXE /?
-> press Enter.

* BcdEdit [BCDEDIT.EXE] executable is available only in Windows Vista/7/7 SP1, and is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS]:
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Boot Configuration Data Store Editor.
BcdEdit Command Line Options:
http://technet.microsoft.com/library/cc709667.aspx
BcdEdit Guide:
http://diddy.boot-land.net/bcdedit/
BcdEdit commands:
http://diddy.boot-land.net/bcdedit/files/commands_list.htm
BcdEdit command line tool:
http://www.sevenforums.com/tutorials/2676-bcdedit-how-use.html
Use BcdEdit to dual-boot multiple Windows:
http://www.superuser.com/questions/511582/
Dual-boot Windows 7 and Linux using BcdEdit:
http://www.iceflatline.com/2009/09/how-to-dual-boot-windows-7-and-linux-using-bcdedit/
Load/Install Grub4Dos from Windows:
http://diddy.boot-land.net/grub4dos/files/install_windows.htm
BCDEDIT.EXE command line tool modifies the boot configuration data store.
The boot configuration data store contains boot configuration parameters and controls how the operating system is booted.
These parameters were previously in the Boot.ini file (in BIOS-based operating systems) or in the nonvolatile RAM entries (in Extensible Firmware Interface-based operating systems).
You can use BcdEdit to add, delete, edit, and append entries in the boot configuration data store.
View BcdEdit [BCDEDIT.EXE] command line options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
BCDEDIT.EXE /?
BCDEDIT.EXE /? TOPICS
BCDEDIT.EXE /? /createstore

* BootRec [BOOTREC.EXE] executable is available only in Windows Vista/7/7 SP1, and is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS]:
http://support.microsoft.com/kb/927392/

View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
You can use the Bootrec.exe tool in Windows Recovery Environment (Windows RE) to troubleshoot and repair certain functions/items:
- master boot record (MBR).
- boot sector.
- Boot Configuration Data (BCD) store.
NOTE:
When you are troubleshooting startup issues by using Windows RE, you should first try the Startup Repair option in the System Recovery Options dialog box.
If the Startup Repair option does not resolve the issue, or if you must troubleshoot more steps manually, use BootRec.
To run BootRec you must boot from Windows RE:
1. Place Windows Vista/7/7 SP1 install disc/USB in the disc drive/USB port and start your computer.
2. Press a key when prompted.
3. Select language, time, currency, keyboard or input method and then click Next.
4. Click Repair your computer.
5. Click the operating system you want to repair and then click Next.
6. In System Recovery Options dialog box click Command Prompt.
7. Type Bootrec.exe and then press Enter.
NOTE:
To boot up from a Windows Vista/7/7 SP1 DVD/BD your computer must be configured to start from the DVD/BD drive.
Refer to your documentation/guidelines/manuals/ReadMe files or contact the manufacturer/support/vendor for information.
NOTE:
Use BootRec to troubleshoot "Bootmgr Is Missing" issue.
If rebuilding the BCD does not resolve the startup issue, you can export and delete the BCD, and then run this option again.
This method makes sure BCD is completely rebuilt.
To do this type the following commands at the Windows RE command prompt:
bcdedit /export C:\BCD_Backup
c:
cd boot
attrib bcd -s -h -r
ren c:\boot\bcd bcd.old
bootrec /RebuildBcd
The /FixMbr option writes a Windows Vista/7/7 SP1 compatible MBR to the system partition.
This option does not overwrite the existing partition table.
Use this option when you must resolve MBR corruption issues, or when you have to remove non-standard code from the MBR.
The /FixBoot option writes a new boot sector to the system (boot) drive/partition/volume by using a boot sector compatible with Windows Vista/7/7 SP1.
Use this option if 1 of the following conditions is true:
- The boot sector has been replaced with a non-standard Windows Vista/7/7 SP1 boot sector.
- The boot sector is damaged.
- An earlier Windows operating system has been installed after Windows Vista/7/7 SP1 was installed.
In this scenario the computer starts by using Windows NT Loader (NTLDR) instead of Windows Boot Manager (Bootmgr.exe).
The /ScanOs option scans all disks for installations compatible with Windows Vista/7/7 SP1.
Additionally, this option displays the entries currently not in the BCD store.
Use this option when there are Windows Vista/7/7 SP1 installations Boot Manager menu does not list.
The /RebuildBcd option scans all disks for installations compatible with Windows Vista/7/7 SP1.
Additionally, this option lets you select the installations you want to add to the BCD store.
Use this option when you must completely rebuild the BCD.
Startup Repair can automatically recover from most BCD problems.
If you prefer to manually analyze and repair problems, you can use BootRec by starting the System Recovery tools, and then clicking Command Prompt in the System Recovery Options dialog box.
View BootRec [BOOTREC.EXE] command line options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
BOOTREC.EXE /?

* BootSect [BOOTSECT.EXE] executable is available only in Windows 7/7 SP1, and is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS]:
http://learn.microsoft.com/windows-hardware/manufacture/desktop/bootsect-command-line-options/
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Boot sector restoration DOS console command line tool.
BOOTSECT.EXE {/help|/nt60|/nt52} {SYS|ALL|<DriveLetter>:} [/force] [/mbr]
BootSect updates the master boot code for hard disk partitions in order to switch between BOOTMGR and NTLDR.
You can use BootSect to restore the boot sector on your computer(s).
View BootSect [BOOTSECT.EXE] command line options, switches + parameters: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
BOOTSECT.EXE /?
-> press Enter.

Windows Side-by-Side (WinSxS) Folder

This applies to all Windows 7/newer builds/editions/releases/versions.

* Move/delete WinSxS directory/folder + files in Windows Vista/newer:
http://www.thewindowsclub.com/winsxs-folder-windows-7-8/
CAUTION:
****
1st backup/clone your entire Windows Operating System (OS), or create a fresh restore point!
PendMoves [pendmoves.exe + pendmoves64.exe] + MoveFile [movefile.exe + movefile64.exe] 32-bit + 64-bit command line tools for Windows NTx unlock, display + delete in-use, protected + system files + schedule these operations for next reboot:
http://learn.microsoft.com/sysinternals/downloads/pendmoves/
File:
http://download.sysinternals.com/files/pendmoves.zip
MS DOCs: PendMoves + MoveFile:
http://technet.microsoft.com/magazine/2009.06.utilityspotlight.aspx
MS DOCs: PendMoves + MoveFile Tips:
http://technet.microsoft.com/magazine/dd370591.aspx
01. Download ZIP file above -> extract PendMoves.exe + MoveFile.exe using an unZIPping/unARChiving/unRARing tool [free(ware)]
http://www.mdgx.com/toy.htm#ZIP
-> place them in a directory/folder listed in your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
02. Explorer -> C:\WINDOWS\WinSxS -> right-click on it -> Properties -> Security tab -> must list the owner of the directory/folder user (who must be part of the Administrators group) -> must grant Administrator Full Control.
03. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command to create a dummy (clone) directory/folder (example) -> press Enter:
MKDIR C:\WINDOWS\WinSxS.moved
04. Create a new junction (a.k.a. symbolic link):
MKLINK /J C:\WINDOWS\WinSxS.link WinSxS.moved
05. Delete WinSxS.moved directory:
RMDIR C:\WINDOWS\WinSxS.moved
06. Use MoveFile.exe (see above) to schedule renaming of WinSxS directory at next restart/reboot.
07. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
MoveFile.exe C:\WINDOWS\WinSxS C:\WINDOWS\WinSxS.moved
This will rename your WinSxS directory/folder before Windows manages to get a lock on it.
08. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
MoveFile.exe C:\WINDOWS\WinSxS.link C:\WINDOWS\WinSxS
This restores your new WinSxS directory/folder in order to avoid OS critical errors!
09. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
PendMoves.exe
to view the 2 pending moves executed above.
10. Restart/reboot Windows for all changes to take effect.
11. Upon restart/reboot the 2 rename/move operations will execute, and WinSxS directory will be unlocked + allowed to be moved.
12. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
DIR C:\WINDOWS\WinSxS*
You can see WinSxS.moved directory/folder contents and respective WinSxS junction created above.
If this doesn't work, *must* repeat steps above!
13. Explorer -> copy entire WinSxS.moved directory/folder to \Windows directory/folder on different drive/partition/volume (D: for example).
14. Rename new directory/folder from WinSxS.moved back to WinSxS (original name).
15. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
RMDIR C:\WINDOWS\WinSxS
16. Start a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
MKLINK /J C:\WINDOWS\WinSxS D:\Windows\WinSxS
17. Explorer -> browse to C:\WINDOWS\WinSxS -> should see all files, even if now they are physically located on different drive/partition/volume (D: in this example).
18. Restart/reboot Windows for all changes to take effect.
19. Now you should be able to delete C:\WINDOWS\WinSxS.moved to free some disk space.

* Move/delete Windows Updates (WU) Downloads directory/folder in Windows Vista/newer:
CAUTION:
****
1st backup/clone your entire Windows Operating System (OS), or create a fresh restore point!
Same process can be applied to Windows Updates (WU) list.
Installed Windows Updates are configured to download to
C:\WINDOWS\SoftwareDistribution
which in time will grow too large, and eventually take too much storage space.
Stop WU service [wuauserv] (if running) -> move/create a directory/folder junction (using MoveFile.exe -> see above)
http://download.sysinternals.com/files/pendmoves.zip
-> restart WU service [wuauserv] from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (example):
ECHO Y|NET.EXE STOP wuauserv
SC.EXE CONFIG wuauserv START= demand

MKDIR C:\WINDOWS\SoftwareDistribution_NEW
MKLINK /J C:\WINDOWS\SoftwareDistribution_OLD SoftwareDistribution_NEW
RMDIR C:\WINDOWS\SoftwareDistribution_NEW
MoveFile.exe C:\WINDOWS\SoftwareDistribution C:\WINDOWS\SoftwareDistribution_NEW
MoveFile.exe C:\WINDOWS\SoftwareDistribution_OLD C:\WINDOWS\SoftwareDistribution
ECHO Y|NET.EXE START wuauserv
Restart/reboot Windows for all changes to take effect.

* WinSxS frequently asked questions (FAQ):
http://learn.microsoft.com/archive/blogs/joscon/should-you-delete-files-in-the-winsxs-directory-and-whats-the-deal-with-vss/
Q:
Should you delete files inside \WinSxS directory? What's the deal with Volume Shadow Copy (VSS)?
A:
No.
Why? Because component store (\WinSxS) is needed to repair OS binaries in the event file(s) become corrupted, compromised or missing.
Directories located under component store:
\WinSxS\Catalogs = Security catalogs for each manifest on the system;
\WinSxS\InstallTemp = Temporary location for install events;
\WinSxS\Manifests = Component manifest for each specific component used during operation to make sure files end up in proper location;
\WinSxS\Temp = Temp directory used for various operations, pending renames;
\WinSxS\Backup = Backups of manifest files in case the copy in \WinSxS\Manifests becomes corrupted;
\WinSxS\Filemaps = File system mapping to a file location;
\WinSxS\<component_device_name> = Binary payloads for each specific component/device.
So long as files in the \Windows\SYSTEM32 directory are valid, most likely you wouldn't see any problems initially, the machine would most likely operate properly.
However, the 1st time you attempt to update a binary, apply a service pack or service a component, it's going to fail because the backing components needed don't exist anymore.
The way files end up in \System32 are via hardlinks.
This should help answer another question regarding how Volume Shadow Copy (VSS) is used in servicing.
Short answer: No. We use NTFS hardlinks to project the file to the file system from the component store.
That's why the \WinSxS directory is so important. The files there can be seen as the "authoritative" versions on the file system.
When there is an issue and a binary needs to be replaced, running
SFC.EXE /SCANFILE
against it verifies the directories above and if the version doesn't match, it will re-project (deliver a fresh copy) it so it stars working again.
View a hardlink from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (example):
C:
CD\WINDOWS\SYSTEM32\Drivers
FSUTIL.EXE hardlink list ntfs.sys
which returns this output:
\Windows\System32\drivers\ntfs.sys
\Windows\WinSxS\amd64_microsoft-windows-ntfs_31bf3856ad364e35_6.1.7600.16385_none_02661b64369ca03a\ntfs.sys
You can see the NTFS file has a link to the \WinSxS directory and if that version of NTFS were to become corrupted, we could go back to the component store and grab a new copy.
The \WinSxS backup directory exists in the event the version in the main directory has also become corrupted.
This is a good method of having decent OS protection without consuming a huge amount of space.
New servicing structure does remove the $NTUninstall$ directories/folders that were used in Windows NT4/2000/XP/2003.
Updates, if they are marked as removable, no longer contain that structure.
Instead updates are recommended to be removed via Control Panel (CP) -> Programs (and Features) -> (View) Installed Updates.
Updates can be removed via appropriate switches using DISM.EXE or PKGMGR.EXE, but the Control Panel (CP) method tends to be cleaner.

* Dism++ -> select "Replaced WinSxS assemblies" -> click OK to cancel "Warning: these installed updates cannot be uninstalled!" -> Scan -> Cleanup:
http://www.chuyu.me/en/
File:
http://gh.api.99988866.xyz/github.com/Chuyu-Team/Dism-Multi-language/releases/download/v10.1.1002.1/Dism++10.1.1002.1.zip
Documentation:
http://www.chuyu.me/en/Document.html

* Reduce size of WinSxS directory/folder using WinSxSLite:
http://www.dmitrybobrovsky.ru/2012/09/05/decrease-of-the-size-of-folder-winsxs-in-windows-7-or-how-to-use-winsxslite-bat/
http://sites.google.com/site/winsxslite/
NEWest:
http://github.com/zippy1981/Nuget-Packages-FerventCoder/raw/master/WinsxsLite1.88.zip
OLDer:
http://www.dmitrybobrovsky.ru/wp-content/uploads/files/winsxslite.zip

* Reduce size of WinSxS directory/folder using COMPCLN.EXE:
http://www.techrepublic.com/blog/tr-dojo/reduce-the-size-of-the-winsxs-folder-with-vsp1clnexe-and-compclnexe/
http://www.boshdirect.com/Blogs/Tech/how-to-reduce-size-of-winsxs.html

* Reduce size of WinSxS directory/folder by deleting some of the files:
http://blogs.technet.com/b/askcore/archive/2008/09/17/what-is-the-winsxs-directory-in-windows-2008-and-windows-vista-and-why-is-it-so-large.aspx
http://blogs.technet.com/b/joscon/archive/2010/08/06/should-you-delete-files-in-the-winsxs-directory-and-what-s-the-deal-with-vss.aspx
http://www.helpdeskgeek.com/windows-8/cleanup-the-winsxs-folder-in-windows-8-7/

* Reduce size of WinSxS directory/folder by deleting some of the duplicate files:
http://www.msfn.org/board/index.php?showtopic=109131

* Reduce size of WinSxS directory/folder by deleting some of the backup files:
http://technet.microsoft.com/library/dn251565.aspx

* Deployment Image Servicing and Management [DISM.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder
[%WinDir% = usually C:\WINDOWS] DOS console command line tool for component cleanup:
http://learn.microsoft.com/windows-hardware/manufacture/desktop/what-is-dism/
http://learn.microsoft.com/windows-hardware/manufacture/desktop/dism-image-management-command-line-options-s14/
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
First backup/clone your operating system drive/partition/volume to a safe location -> see "Free(ware) WinDOwS Backup +
Restore Tools" section in SECRETS.TXT (included):
http://www.mdgx.com/secrets.htm#BKP
Then from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator
-> run these 3 commands in this exact order -> press Enter after each line:
DISM.EXE /online /Cleanup-Image /StartComponentCleanup
DISM.EXE /online /Cleanup-Image /StartComponentCleanup /ResetBase
DISM.EXE /online /Cleanup-Image /SpSuperseded

* Microsoft Package Manager [PKGMGR.EXE] Command Line Options:
http://technet.microsoft.com/library/cc749465.aspx
Use Package Manager [PKGMGR.EXE] to Uninstall A Package:
http://support.microsoft.com/kb/940410/

* Windows 7 64-bit (x64) vLite extreme removal:
http://www.msfn.org/board/index.php?showtopic=136837
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Free(ware) Burn/Copy/Write/Install CDs/DVDs/BDs/USB Tools

Most of these tools apply to all Windows 7/newer builds/editions/releases/versions.

* MDGx "Free(ware) WinDOwS Backup + Restore Tools" section in SECRETS.TXT (included):
http://www.mdgx.com/secrets.htm#BKP

* MDGx "BACKUP" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* MDGx "STORAGE" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* WinBuilder:
http://reboot.pro/files/file/4-winbuilder/
http://reboot.pro/files/download/4-winbuilder/
WinBuilder Scripts:
http://reboot.pro/files/category/5-winbuilder/
WinBuilder Download Center = Scripts:
http://multipe.exec-se.de/
Create Windows 7 Live Install CD/DVD/BD/UHD/USB using WinBuilder:
http://www.instantfundas.com/2010/12/how-to-create-windows-7-live-cddvdusb.html
PEFactory WinBuilder add-on:
http://multipe.exec-se.de/Documentation/multiPE/PEF_index.htm

* Win7PE_SE:
http://reboot.pro/topic/12427-win7pe-se-release/
Win7PE SE Downloads [144 MB]:
http://w7pese.cwcodes.net/Compressed/
multiPE 62 script:
http://reboot.pro/files/file/61-multipe/

* Get Windows Automated Installation Kit (WAIK) Tools without downloading entire disc image (ISO):
http://www.msfn.org/board/index.php?showtopic=156869
File:
http://db.tt/2l5l22OE

* Create Windows 7 Bootable Install USB Drive disc image (ISO):
http://www.softlay.net/operating-system/create-windows-7-bootable-usb-install-disk-drive-iso.html

* Windows 7 Windows Automated Installation Kit (WAIK):
http://technet.microsoft.com/library/dd349350.aspx

Win7 WAIK ISO [1.7 GB]:
https://web.archive.org/web/20210707110545/http://download.microsoft.com/download/8/E/9/8E9BBC64-E6F8-457C-9B8D-F6C9A16E6D6A/KB3AIK_EN.iso
Win7 SP1 WAIK Supplement:
http://www.microsoft.com/download/details.aspx?id=5188
Win7 SP1 WAIK Supplement ISO [1.3 GB]:
http://download.microsoft.com/download/0/4/C/04C805CC-4C04-4D76-BE80-7D67B951CF73/waik_supplement_en-us.iso

* YUMI (Your USB Multiboot Installer) Multiboot USB Creator for Windows 7/newer creates universal bootable USB drive from multiple bootable ISO images of different operating systems (OSes):
http://www.pendrivelinux.com/yumi-multiboot-usb-creator/
YUMI Legacy BIOS USB boot only [NTFS or FAT32 only]:
http://www.pendrivelinux.com/yumi-multiboot-usb-creator/#YUMI-Legacy
YUMI exFAT BIOS + UEFI USB boot [exFAT only]:
http://www.pendrivelinux.com/yumi-multiboot-usb-creator/#YUMI-exFAT

* GImageX GUI for Windows Imaging:
http://www.autoitconsulting.com/site/software/gimagex/

* ei.cfg Removal Utility (Windows 7 Universal CD) Make Your Windows 7 Disc Universal:
http://www.technibble.com/ei-cfg-removal-utility-repair-tool-of-the-week/

* Windows disc image (ISO) Utilities:
http://code.kliu.org/misc/winisoutils/

* PEChecksum 32-bit + 64-bit command line tool updates Portable EXEcutable (PE) files (EXE, DLL, OCX, SYS, DRV, MUI) 32-bit + 64-bit signatures:
http://www.coderforlife.com/projects/utilities/#PEChecksum
PEChecksum 32-bit:
http://www.coderforlife.com/projects/utilities/PEChecksum.exe
PEChecksum 64-bit:
http://www.coderforlife.com/projects/utilities/PEChecksum64.exe

* Windows Graphics User Interface (GUI) + Tweaking Tools:
http://www.thewindowsclub.com/list-freeware-releases-from-the-windows-club/
http://www.winaero.com/
http://www.xptsp.com/
http://www.blogsdna.com/
http://www.xp-smoker.com/
Themes:
http://www.winaero.com/news.php?cat.2
Downloads:
http://www.winaero.com/download.php?list.2

* WinCDEmu 32-bit + 64-bit mounts CD/DVD/BD/UHD ISO/IMG images on HDD/SSD/USB:
http://wincdemu.sysprogs.org/
WinCDEmu Portable:
http://wincdemu.sysprogs.org/portable/
File:
http://wincdemu.sysprogs.org/download/

* WinFLASHTool writes raw CD/DVD/BD/UHD disk images to memory cards/discs/media/sticks:
http://winflashtool.sysprogs.com/
File:
http://www.sysprogs.com/files/WinFLASHTool/v2/WinFlashTool.exe
Download:
http://winflashtool.sysprogs.com/download/

* cdrtfe Audio/CD/XCD/VCD/DVD/BD/UHD ISO/bootable disc image burning tool:
http://cdrtfe.sourceforge.io/
http://sourceforge.net/projects/cdrtfe/
Download:
http://cdrtfe.sourceforge.io/cdrtfe/download_en.html
Portable:
http://sourceforge.net/projects/cdrtfe/files/cdrtfe%20portable/
cdrtfe Tools:
http://cdrtfe.sourceforge.io/tools/index_en.html
Download:
http://sourceforge.net/projects/cdrtools/
File:
http://sourceforge.net/projects/cdrtools/files/

* Sevenize:
http://www.sevenize.com/

* Completely Hide Windows 7 Shell, Logos, Icons, Start etc:
http://forum.arcadecontrols.com/index.php?topic=113896.0

* Completely hide Windows + Shell with 3rd party Front End GUI:
http://www.gameex.com/Community/InstantShellerandShellingGuide.aspx

* Windows 7 Boot Updater:
http://www.coderforlife.com/projects/win7boot/

OEM

* OEM licensing terms:
https://web.archive.org/web/20141228133711/https://www.microsoft.com/oem/en/licensing/sblicensing/pages/licensing_faq.aspx
Original Equipment Manufacturer (OEM) versions of Windows 7 are identical to Full License Retail (FLR) except they...
- do not provide any free direct support from Microsoft.
- OEM licenses are tied to the 1st computer Windows is installed and activated on.
- all hardware upgrades are allowed except for different model/version motherboard upgrades.
- cannot be used to upgrade directly from an older Windows OS.

Application (IN)Compatibility

Most of these apply to all Windows 7/newer builds/editions/releases/versions.

* Application (program executable = .exe) Compatibility Info, Guides, Tips + Tools:
To DEP (Data Execution Prevention) or not to DEP... DisableNXShowUI:
http://techcommunity.microsoft.com/t5/ask-the-performance-team/to-dep-or-not-to-dep-8230/ba-p/373137/
Script Compatibility Layers in Windows XP:
https://web.archive.org/web/20111114000642/http://support.microsoft.com/?kbid=286705
Configure Compatibility tab:
http://www.intrntpirate.com/2012/03/29/configuring-the-compatibility-tab/
Use Windows Application Compatibility Mode (ACM):
http://technet.microsoft.com/library/bb456979.aspx
Use Compatibility Administration tool in Windows 7/newer:
http://learn.microsoft.com/windows/deployment/planning/using-the-compatibility-administrator-tool/
Use Compatibility Administration tool in Windows 7:
http://sourcedaddy.com/windows-7/using-the-compatibility-administrator.html
http://support.microsoft.com/kb/317510/
http://technet.microsoft.com/library/cc749034.aspx
http://www.techrepublic.com/blog/windows-and-office/selectively-disable-uac-for-your-trusted-vista-applications/
Use Compatibility Administration tool in Windows XP:
http://technet.microsoft.com/library/bb456983.aspx
Get Rid of UAC Prompts using Application Compatibility Toolkit (ACT):
http://www.ghacks.net/2010/07/08/get-rid-of-uac-prompts-with-microsofts-application-compatibility-toolkit/
Fix Old Games using Application Compatibility Toolkit (ACT):
http://classicgamefixes.wixsite.com/home/act-toolkit/
Create Shim/Fix using Compatibility Administrator tool:
http://www.msigeek.com/4823/
Using Program Compatibility Mode in Windows 7/newer:
http://www.howtogeek.com/howto/10436/using-program-compatibility-mode-in-windows-7/
http://www.thewindowsclub.com/programs-compatibility-wizard-in-windows-7/
http://www.thewindowsclub.com/program-compatibility-troubleshooter-desktop-shortcut/
Run Program Compatibility Troubleshooter (PCT) [MSDT.EXE] from a DOS console command prompt -> right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
MSDT.EXE -id PCWDiagnostic
Microsoft Support Diagnostic Tool [MSDT.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Use Compatibility Mode to Fix App Problems:
http://www.reviversoft.com/blog/2013/01/compatibility-mode/
Using RunAsHighest Fix:
http://technet.microsoft.com/library/dd638322.aspx
UAC (User Account Control) and Application Run Levels:
http://www.slickit.ca/2009/05/uac-and-application-run-levels.html
Disable UAC for certain apps:
https://web.archive.org/web/20080103052016/http://support.microsoft.com/kb/946932
Selectively disable UAC for trusted Windows Vista/7/newer apps:
http://www.techrepublic.com/blog/windows-and-office/selectively-disable-uac-for-your-trusted-vista-applications/
Exclude Programs from Program Compatibility Assistant (PCA):
http://support.microsoft.com/kb/2545347/
Application Compatibility:
http://msdn.microsoft.com/library/bb757005.aspx
Application Compatibility: Program Compatibility Assistant (PCA):
http://msdn.microsoft.com/library/bb756937.aspx
Program Compatibility Assistant (PCA) - Part 2:
http://blogs.technet.microsoft.com/askperf/2007/10/05/the-program-compatibility-assistant-part-two/
Add/Remove Compatibility tab from Properties:
http://www.sevenforums.com/tutorials/237405-compatibility-tab-add-remove-properties.html

* Microsoft Windows 2000 SP4/XP/2003/Vista/2008/7/8/8.1/2012 Application Compatibility Toolkit (ACT) (English):
http://www.mdgx.com/xptoy.htm#ACT
ACT 5.6 [12.2 MB]:
https://web.archive.org/web/20180605103833if_/http://download.microsoft.com/download/D/3/3/D33A8F5D-A7E1-4BBE-B04D-7A688785A229/ApplicationCompatibilityToolkitSetup.exe
Requires Microsoft .NET Framework Redistributable (NFR) 3.5/newer (free):
http://www.mdgx.com/add.htm#NFR
More info:
http://support.microsoft.com/kb/294895/

* AppCompatFlags "Layers" Registry REG_SZ [String] values + __COMPAT_LAYER [RunAsAdmin] environment variable modes + parameters [case insensitive] in Windows XP/newer:
http://learn.microsoft.com/windows/deployment/planning/compatibility-fixes-for-windows-8-windows-7-and-windows-vista/
http://www.ss64.com/nt/syntax-elevate.html
http://www.ss64.com/nt/syntax-variables.html
http://techsupt.winbatch.com/webcgi/webbatch.exe?techsupt/tsleft.web+WinBatch/How~To+Control~Compatibility~Mode.txt
http://www.ss64.org/viewtopic.php?t=18
Complete list of Windows 10/11 [most are available in Windows XP/newer] compatibility values/modes + parameters for both 32-bit (x86) + 64-bit (x64) executables (.exe):
http://www.ss64.org/viewtopic.php?t=18
All Users (system wide) [HKLM Registry Hive Key]:
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\AppCompatFlags\Layers
Current User (logged on user) [HKCU Registry Hive Key]:
HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\AppCompatFlags\Layers
All Users (any logged on user, when more than 1 user) [HKU .Default Registry Hive Key]:
HKEY_USERS\.DEFAULT\Software\Microsoft\Windows NT\CurrentVersion\AppCompatFlags\Layers
Enumeration of multiple values is allowed on the same line: they must be separated by a space [ ] (if more than 1).
Meaning:
http://www.verboon.info/2011/03/running-an-application-as-administrator-or-in-compatibility-mode/
http://qtechbabble.wordpress.com/2016/08/23/run-application-in-compatibility-mode-from-command-line/
Values/Modes (examples):
Windows 8 RTM (Released To Manufacturing) = WIN8RTM
Windows 7 RTM (Released To Manufacturing) = WIN7RTM
Windows Server 2008 SP1 (Service Pack 1) = WINSRV08SP1
Windows Vista RTM (Released To Manufacturing) = VISTARTM
Windows Vista SP1 (Service Pack 1) = VISTASP1
Windows Vista SP2 (Service Pack 2) = VISTASP2
Windows XP SP3 (Service Pack 3) = WINXPSP3
Windows XP SP2 (Service Pack 2) = WINXPSP2
Windows Server 2003 SP1 (Service Pack 1) = WINSRV03SP1
Windows 2000 = WIN2000
Windows NT 4.0 SP5 (Service Pack 5) = NT4SP5
Windows 98/ME = WIN98
Windows 95 = WIN95
Run in 65536 colors (16-bit) = 16BITCOLOR
Run in 256 colors (8-bit) = 256COLOR
Run in 640x480 screen resolution = 640X480
Disable visual themes = DisableThemes
Disable desktop composition = DisableDWM
Disable display scaling on high DPI settings = HighDPIAware
Run this program as Administrator = RunAsAdmin
Enable program to work with SkyDrive/OneDrive = PlaceHolderFile
EveryOne-full [?]
AlcatelLayer
DisableCicero
DisabledXMaximizedWindowedMode
DisableNXHideUI
DisableNXShowUI
DisableThemes
ElevateCreateProcess
EnableNXShowUI
International
LUA
LUACleanUp
PlayerGetProcAddrExOverride
ProfilesSetup
RunAsInvoker
RunAsHighest
Use SetX [SETX.EXE] environment variable manager tool to add new compatibility layer variable [__COMPAT_LAYER] and set its value for "Run as Administrator" level [RunAsAdmin] to the machine (all managed/registered users on the same machine/system) environment (example):
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SETX.EXE __COMPAT_LAYER "RunAsAdmin" /M
-> press Enter.
SetX [SETX.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
Environment variables can be added/customized/deleted/modified by using a Control Panel (CP)/Windows Settings (WS) tool:
Run... [hold WinKey + press R] -> type this command
SystemPropertiesAdvanced.exe
-> press Enter -> Advanced tab -> Environment Variables... button -> System variables -> New... button -> Variable name: -> type

__COMPAT_LAYER
-> Variable value: -> type
RunAsAdmin
-> press OK button -> close/exit SystemPropertiesAdvanced.exe.
View the list of all your Windows operating system (OS) environment variables from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SET
-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)
SET>C:\Windows_Environment_Variables.txt
-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Newly added environment variable above looks like this:
----------snippity-snip----------
__COMPAT_LAYER=RunAsAdmin
----------snippity-snip----------

* Turn ON/activate/enable Program Compatibility Assistant (PCA) service [PcaSvc] in Windows 7/newer:
http://medium.com/@boutnaru/the-windows-concept-journey-pca-program-compatibility-assistant-bb996edb22c9/
http://www.howtogeek.com/4161/disable-program-compatibility-assistant-in-windows-7-and-vista/
http://batcmd.com/windows/7/services/pcasvc/
http://batcmd.com/windows/10/services/pcasvc/
http://revertservice.com/7/pcasvc/
http://revertservice.com/10/pcasvc/
1. Set PCA service [PcaSvc] to Disabled [Manual = *only* activates/loads upon Demand whenever needed/triggered]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
ECHO Y|NET.EXE STOP PcaSvc
SC.EXE CONFIG PcaSvc START= demand
:END
EXIT
------End cut & paste here------
2. Set PCA service [PcaSvc] to Enabled [Automatic = *always* activates/loads with Windows upon each (re)boot/(re)start]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
ECHO Y|NET.EXE START PcaSvc
SC.EXE CONFIG PcaSvc START= auto
:END
EXIT
------End cut & paste here------
Net(work) Resources Manager [NET.EXE] + S(ervice) C(ontrol) [C(onfiguration)] [SC.EXE] executables are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Optimize/tweak Application Compatibility/Program Compatibility Assistant (PCA) registry settings in Windows 7/newer:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\AppCompat]
; http://www.windows-security.org/a9e1f3187a2d9e753e52bc92a558b867/remove-program-compatibility-property-page/
; http://www.sevenforums.com/tutorials/237405-compatibility-tab-add-remove-properties.html
"DisablePropPage"=dword:0
; http://www.windows-security.org/13372c6a0a2d392443dc146ceb94d720/turn-off-application-telemetry/
"AITEnable"=dword:0
; http://www.windows-security.org/7be7ad4dce7009d71a3061f872f610e0/turn-off-steps-recorder/
"DisableUAR"=dword:1

```
; http://www.windows-security.org/dc93a8ca81b69891762057593d8d2ccd/prevent-access-to-16-bit-applications/
"VDMDisallowed"=dword:0
; http://www.windows-security.org/a6c2ac5e5f13a880f6254303a16e20a4/turn-off-application-compatibility-engine/
"DisableEngine"=dword:0
; http://www.windows-security.org/6412ea982640d8a1dd2090387e2e5b29/turn-off-program-compatibility-assistant/
"DisablePCA"=dword:1
; http://www.windows-security.org/36ff6b13efb41d27cc12094bc252b9f3/turn-off-switchback-compatibility-engine/
"SbEnable"=dword:1
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Policies\Microsoft\Windows\AppCompat]
; http://www.windows-security.org/a9e1f3187a2d9e753e52bc92a558b867/remove-program-compatibility-property-page/
; http://www.sevenforums.com/tutorials/237405-compatibility-tab-add-remove-properties.html
"DisablePropPage"=dword:0
; http://www.windows-security.org/13372c6a0a2d392443dc146ceb94d720/turn-off-application-telemetry/
"AITEnable"=dword:0
; http://www.windows-security.org/7be7ad4dce7009d71a3061f872f610e0/turn-off-steps-recorder/
"DisableUAR"=dword:1
; http://www.windows-security.org/dc93a8ca81b69891762057593d8d2ccd/prevent-access-to-16-bit-applications/
"VDMDisallowed"=dword:0
; http://www.windows-security.org/a6c2ac5e5f13a880f6254303a16e20a4/turn-off-application-compatibility-engine/
"DisableEngine"=dword:0
; http://www.windows-security.org/6412ea982640d8a1dd2090387e2e5b29/turn-off-program-compatibility-assistant/
"DisablePCA"=dword:1
; http://www.windows-security.org/36ff6b13efb41d27cc12094bc252b9f3/turn-off-switchback-compatibility-engine/
"SbEnable"=dword:1
;
------End cut & paste here------
```

Control Panel (CP) + Omnipotent/Master/Mega/'god mode' (OMg) Control Panel

Most of these tweaks apply to all Windows 7/newer builds/editions/releases/versions.

* FYI:
Microsoft renamed Control Panel (CP) to Windows Settings (WS) [a.k.a. Settings app] in Windows 10/newer.
http://learn.microsoft.com/windows/apps/develop/launch/launch-settings-app/

* Windows omnipotent/master/mega/'god mode' (OMg) Control Panel folder/shortcut (all Control Panel items enumerated in bulleted list form):
http://en.wikipedia.org/wiki/Windows_Master_Control_Panel_shortcut
http://www.tomshardware.com/how-to/enable-god-mode-windows-11/
http://www.nogeekleftbehind.com/2010/01/16/more-windows-7-god-mode-hacks/
http://technet.microsoft.com/magazine/hh706157.aspx

* Add Control Panel (CP) [renamed Windows Settings (WS) in Windows 10/newer], omnipotent/master/mega/'god mode' (OMg) Control Panel, enable/disable User Account Control (UAC), Open Console Command (CMD) Here as Administrator to Desktop right-click menu in Windows Vista/7/newer:
http://www.tomshardware.com/how-to/enable-god-mode-windows-11/
http://www.eightforums.com/tutorials/19706-control-panel-desktop-context-menu-create-windows-8-a.html

* Control Panel (CP) [renamed Windows Settings (WS) in Windows 10/newer] executables/programs, CLSID (GUID) keys/names, commands, directories/folders, items, links, scripts, icons/shortcuts available using Control [CONTROL.EXE], Explorer [EXPLORER.EXE] + RunDLL32 [RUNDLL32.EXE] arguments/options/parameters in Windows Vista/7/newer:
http://en.wikipedia.org/wiki/Control_Panel_(Windows)#Standard_applets
http://learn.microsoft.com/windows/win32/shell/executing-control-panel-items/
http://docs.rainmeter.net/tips/launching-windows-special-folders/
http://www.tenforums.com/tutorials/86339-list-commands-open-control-panel-items-windows-10-a.html
http://renenyffenegger.ch/notes/Windows/control-panel/
http://www.sevenforums.com/tutorials/110919-clsid-key-list-windows-7-a.html
http://www.eightforums.com/threads/clsid-key-guid-shortcuts-list-for-windows-8.13591/
http://www.tenforums.com/tutorials/3123-clsid-key-guid-shortcuts-list-windows-10-a.html
http://www.thewindowsclub.com/shortcuts-shell-commands-clsid-windows-8/
http://www.geoffchappell.com/studies/windows/shell/explorer/cmdline.htm
http://www.howtogeek.com/257715/how-to-open-hidden-system-folders-with-windos-shell-command/
http://www.lifewire.com/command-line-2626060/
http://www.winaero.com/blog/control-panel-context-menu-windows-10/
http://www.thewindowsclub.com/remove-click-context-menu-items-editors/
http://www.tenforums.com/tutorials/6051-add-personalize-classic-context-menu-windows-10-a.html
http://www.techspot.com/guides/1670-windows-right-click-menu/
http://www.tenforums.com/tutorials/24451-add-bluetooth-context-menu-windows-10-a.html
http://www.majorgeeks.com/content/page/here_are_all_the_rundll32_commands_for_windows_10.html
http://www.winaero.com/windows-10-rundll32-command-list/
http://shortcutworld.com/Windows/win/Windows-Run-Commands_-Settings_-and-Start-Menu-Shortcuts
http://www.computerhope.com/issues/ch001870.htm
http://msdn.microsoft.com/library/windows/desktop/cc144191.aspx
http://support.microsoft.com/kb/192806/
http://social.technet.microsoft.com/wiki/contents/articles/4486.accessing-the-control-panel-via-the-commandline.aspx
Syntax:
```
```

CONTROL.EXE <cplname>,<entrypoint> [<optional argument(s)>]
OR:
CONTROL.EXE /name <argument(s)> [/page <argument(s)>]
OR:
EXPLORER.EXE SHELL:::{CLSID/GUID key}[\::{optional CLSID/GUID subkey}][\optional dialog box name,optional tab number]
OR:
RUNDLL32.EXE <cplname|dllname>,<entrypoint> [<optional argument(s)>]
All *.cpl, *.DLL, *.EXE files used here are located respectively in the %WinDir%, %WinDir%\SYSTEM32 + %WinDir%\SYSTEM32\wbem directories/folders [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
All these Control Panel (CP) commands can be used in DOS console BATch (.bat)/CoMmanD (.cmd) files, DOS console CoMmanD prompt [CMD.EXE], directory/folder names, items, links, powershell, scripts, shortcuts, etc.
Below is a comprehensive list of Control, Explorer + RunDll32 Control Panel (CP) commands + directory/folder names.
Some may or may not be available or work properly depending on the specific Windows NTx OS(es) build/edition/release/update/version +/- bit strength [32-bit (x86) or 64-bit (x64)] installed on your computer(s)/device(s).
Control Panel (CP) items command lines, directory/folder names, options, switches + parameters:
- Omnipotent/master/mega/'god mode' (OMg) Control Panel (all Control Panel items categorized + enumerated in bulleted list form):
as Folder:
@.{ED7BA470-8E54-465E-825C-99712043E01C}
as Command line:
EXPLORER.EXE SHELL:::{ED7BA470-8E54-465E-825C-99712043E01C}
- Control Panel -> All Control Panel Items -> System (About) [hold WinKey + press Pause/Break]:
http://www.winaero.com/open-classic-system-properties-in-windows-10-version-20h2/
http://www.askvg.com/tip-restore-and-get-back-classic-system-properties-in-windows-10/
as Folder:
@.{BB06C0E4-D293-4f75-8A90-CB05B6477EEE}
as Command line:
EXPLORER.EXE SHELL:::{BB06C0E4-D293-4f75-8A90-CB05B6477EEE}
- Control Panel behavior in Windows 7/newer:
as Folder:
Small icons:
@.{21EC2020-3AEA-1069-A2DD-08002B30309D}
Large icons:
@.{26EE0668-A00A-44D7-9371-BEB064C98683}
as Command line:
Small icons:
EXPLORER.EXE SHELL:::{21EC2020-3AEA-1069-A2DD-08002B30309D}
Large icons:
EXPLORER.EXE SHELL:::{26EE0668-A00A-44D7-9371-BEB064C98683}
- Control Panel -> All Control Panel Items -> Personalization -> Window Color and Appearance (Aero):
as Command line:
CONTROL.EXE /name Microsoft.Personalization /page pageColorization
as Command line:
EXPLORER.EXE SHELL:::{26EE0668-A00A-44D7-9371-BEB064C98683}\1\::{ED834ED6-4B5A-4bfe-8F11-A626DCB6A921}\pageColorization
- Control Panel -> All Control Panel Items -> Personalization -> Display:
http://www.winaero.com/how-to-open-old-display-settings-in-windows-10-two-ways/
as Command line:
- Windows 10/11:
CONTROL.EXE desk.cpl,Settings,@Settings
OR:
- Windows 7/8/8.1:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL desk.cpl
CONTROL.EXE /name Microsoft.Display
as Folder:
@.{C555438B-3C23-4769-A71F-B6D3D9B6053A}
as Command line:
EXPLORER.EXE SHELL:::{C555438B-3C23-4769-A71F-B6D3D9B6053A}
- Control Panel -> All Control Panel Items -> AutoPlay:
as Command line:
CONTROL.EXE /name Microsoft.AutoPlay
as Folder:
@.{9C60DE1E-E5FC-40f4-A487-460851A8D915}
as Command line:
EXPLORER.EXE SHELL:::{9C60DE1E-E5FC-40f4-A487-460851A8D915}
- Control Panel -> All Control Panel Items -> Printers (Classic):
as Command line:
EXPLORER.EXE shell:PrintersFolder
as Command line:
EXPLORER.EXE SHELL:::{21ec2020-3aea-1069-a2dd-08002b30309d}\::{2227a280-3aea-1069-a2de-08002b30309d}
- Control Panel -> All Control Panel Items -> Devices and Printers -> Bluetooth Devices (Windows 7/8/8.1) or Bluetooth Settings (Windows 10/11):
as Command line: Bluetooth Settings -> tab:
Options:
CONTROL.EXE bthprops.cpl,,1
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,1
COM Ports:
CONTROL.EXE bthprops.cpl,,2

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RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,2
Hardware:
CONTROL.EXE bthprops.cpl,,3
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,3
Shared Folder:
CONTROL.EXE bthprops.cpl,,4
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,4
as Folder:
@.{28803F59-3A75-4058-995F-4EE5503B023C}
as Command line:
EXPLORER.EXE SHELL:::{28803F59-3A75-4058-995F-4EE5503B023C}
- Control Panel -> All Control Panel Items -> Network and Sharing Center -> Change adapter settings -> Your Connection
icon/item/link/shortcut -> drag connection name onto an empty Desktop spot or create shortcut [these examples may or may not
work on your computer(s) depending on your connection(s) type(s)/name(s)]:
as Folders:
@.{38A98528-6CBF-4CA9-8DC0-B1E1D10F7B1B}
@.{1fa9085f-25a2-489b-85d4-86326eedcd87}
@.{BA126ADB-2166-11D1-B1D0-00805FC1270E}
@.{7007ACC7-3202-11D1-AAD2-00805FC1270E}
as Command lines:
EXPLORER.EXE SHELL:::{7007ACC7-3202-11D1-AAD2-00805FC1270E}
EXPLORER.EXE SHELL:::{20D04FE0-3AEA-1069-A2D8-08002B30309D}\::{21EC2020-3AEA-1069-A2DD-08002B30309D}\::{38A98528-6CBF-4CA9-8DC0-
B1E1D10F7B1B}
EXPLORER.EXE SHELL:::{38A98528-6CBF-4CA9-8DC0-B1E1D10F7B1B}
EXPLORER.EXE SHELL:::{1fa9085f-25a2-489b-85d4-86326eedcd87}
EXPLORER.EXE SHELL:::{BA126ADB-2166-11D1-B1D0-00805FC1270E}
Right-click on an empty Desktop spot -> New -> create: Shortcut [.lnk] or Folder.
- Control Panel -> All Control Panel Items -> Personalization -> Desktop Background:
as Command line:
EXPLORER.EXE SHELL:::{ED834ED6-4B5A-4bfe-8F11-A626DCB6A921} -Microsoft.Personalization\pageWallpaper
- Control Panel -> All Control Panel Items -> Programs (and Features) -> (View) Installed Updates:
as Folder:
@.{d450a8a1-9568-45c7-9c0e-b4f9fb4537bd}
as Command line:
EXPLORER.EXE SHELL:::{d450a8a1-9568-45c7-9c0e-b4f9fb4537bd}
- App(lication)/EXEcutable (.exe)/Program/Task/Window Switcher [hold Alt + press Tab]:
RUNDLL32.EXE SHELL32.DLL,-10114
as Folder:
@.{3080F90E-D7AD-11D9-BD98-0000947B0257}
as Command line:
EXPLORER.EXE SHELL:::{3080F90E-D7AD-11D9-BD98-0000947B0257}
- Run... [hold WinKey + press R]:
as Folder:
@.{2559a1f3-21d7-11d4-bdaf-00c04f60b9f0}
as Command line:
EXPLORER.EXE SHELL:::{2559a1f3-21d7-11d4-bdaf-00c04f60b9f0}
- Recycle Bin:
Control Panel -> All Control Panel Items -> Personalization -> Change Desktop Items -> check "Recycle Bin" box -> Apply/OK:
as Folder:
@.{645FF040-5081-101B-9F08-00AA002F954E}
as Command lines:
EXPLORER.EXE SHELL:::{645FF040-5081-101B-9F08-00AA002F954E}
EXPLORER.EXE shell:recyclebinfolder
- Troubleshooting (hardware + software problems):
Control Panel -> All Control Panel Items -> Troubleshooting -> Troubleshoot computer problems:
as Folder:
@.{C58C4893-3BE0-4B45-ABB5-A63E4B8C8651}
as Command lines:
EXPLORER.EXE SHELL:::{C58C4893-3BE0-4B45-ABB5-A63E4B8C8651}
EXPLORER.EXE SHELL:::{26EE0668-A00A-44D7-9371-BEB064C98683}\0\::{C58C4893-3BE0-4B45-ABB5-A63E4B8C8651}

FYI:
- SS64 Explorer.exe command line switches:
http://www.ss64.com/nt/explorer.html
- MDGx Windows (File) Explorer [EXPLORER.EXE] command line options -> "EXPLORE YOUR ROOTS" in TIPS95.TXT (included):
http://www.mdgx.com/newtip22.htm#EYR

* Personalization:
_____________________________________________________________________________

Font Size and DPI       DpiScaling.exe
Font Viewer -> Preview  FontView.exe
Screen Resolution       CONTROL.EXE desk.cpl,Settings,@Settings
Screen Resolution       CONTROL.EXE /name Microsoft.Display /page Settings
Display                 CONTROL.EXE desk.cpl,Settings,@Settings
Themes                  CONTROL.EXE desk.cpl,Themes,@Themes
Screen Saver            CONTROL.EXE desk.cpl,screensaver,@screensaver
Multi Monitor           CONTROL.EXE desk.cpl,Monitor,@Monitor
Color Scheme            CONTROL.EXE /name Microsoft.Personalization /page pageColorization
Desktop Background      CONTROL.EXE /name Microsoft.Personalization /page pageWallpaper

* System Properties:
_____________________________________________________________________
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Performance Options             SystemPropertiesPerformance.exe
Remote Access                   SystemPropertiesRemote.exe
Computer Name                   SystemPropertiesComputerName.exe
System Protection               SystemPropertiesProtection.exe
Advanced System Properties      SystemPropertiesAdvanced.exe
Hardware                SystemPropertiesHardware.exe
Data Execution Prevention       SystemPropertiesDataExecutionPrevention.exe

* Programs + Features:
_____________________________________________________________
Add/Remove Programs     CONTROL.EXE /name Microsoft.ProgramsAndFeatures
Windows FeaturesOptionalFeatures.exe

* Regional + Language Options:
_____________________________________________________________________________________________
KeyboardCONTROL.EXE /name Microsoft.RegionalAndLanguageOptions /page /p:keyboard
LocationCONTROL.EXE /name Microsoft.RegionalAndLanguageOptions /page /p:location
Administrative  CONTROL.EXE /name Microsoft.RegionalAndLanguageOptions /page /p:administrative

* Folder:
_____________________________________________________________________________
Folder searchingRUNDLL32.EXE SHELL32.DLL,Options_RunDLL 2
View                    RUNDLL32.EXE SHELL32.DLL,Options_RunDLL 7
General                 RUNDLL32.EXE SHELL32.DLL,Options_RunDLL 0
File associations       CONTROL.EXE /name Microsoft.DefaultPrograms /page pageFileAssoc

* Power:
_____________________________________________________________________________________________
Edit current plan settings      CONTROL.EXE /name Microsoft.PowerOptions /page pagePlanSettings
System settings                 CONTROL.EXE /name Microsoft.PowerOptions /page pageGlobalSettings
Create a power plan             CONTROL.EXE /name Microsoft.PowerOptions /page pageCreateNewPlan
Advanced Settings               CONTROL.EXE powercfg.cpl,,3

* Accessibility (Ease of Access):
_____________________________________________________________
Ease of Access Center (EAC)     CONTROL.EXE /name Microsoft.EaseOfAccessCenter

* Control Panel (CP) canonical/module names/Globally Unique IDentifiers (GUIDs) in Windows Vista/newer:
http://learn.microsoft.com/windows/win32/shell/controlpanel-canonical-names/
_____________________________________________________
CONTROL.EXE desktop             Display Properties
CONTROL.EXE color               Display Properties Appearance tab
CONTROL.EXE date/time           Date and Time Properties
CONTROL.EXE international       Regional and Language Options
CONTROL.EXE mouse               Mouse Properties
CONTROL.EXE keyboard            Keyboard Properties
CONTROL.EXE printers            Printers and Faxes folder
CONTROL.EXE fonts               Fonts folder

* Control Panel (CP) canonical/module names/Globally Unique IDentifiers (GUIDs) in Windows 2000/newer:
_____________________________________________________________________
CONTROL.EXE folders             Folder (File Explorer) Options (General) View tab
CONTROL.EXE netware             Novell NetWare (if installed)
CONTROL.EXE telephony           Phone and Modem Options
CONTROL.EXE admintools          Administrative Tools folder
CONTROL.EXE schedtasks          Scheduled Tasks folder
CONTROL.EXE netconnections      Network Connections folder
CONTROL.EXE infrared            Infrared Monitor (if installed)
CONTROL.EXE userpasswords       User Accounts main menu
CONTROL.EXE userpasswords2      User Accounts accounts menu

* Control Panel tool                    Command [Control Panel applet (.cpl)]
_____________________________________________________________________
Accessibility Options                   CONTROL.EXE access.cpl
Add New Hardware                CONTROL.EXE sysdm.cpl add new hardware
Add/Remove Programs                     CONTROL.EXE appwiz.cpl
Date/Time Properties                    CONTROL.EXE timedate.cpl
Display Properties                      CONTROL.EXE desk.cpl
FindFast                        CONTROL.EXE findfast.cpl
Fonts Folder                            CONTROL.EXE fonts
Internet Options (Properties)           CONTROL.EXE inetcpl.cpl
Joystick Properties                     CONTROL.EXE joy.cpl
Keyboard Properties                     CONTROL.EXE main.cpl keyboard
Microsoft Exchange (Windows Messaging)  CONTROL.EXE mlcfg32.cpl
Microsoft Mail Post Office              CONTROL.EXE wgpocpl.cpl
Modem Properties                CONTROL.EXE modem.cpl
Mouse Properties                CONTROL.EXE main.cpl
Multimedia Properties                   CONTROL.EXE mmsys.cpl
Network Properties                      CONTROL.EXE netcpl.cpl
Password Properties                     CONTROL.EXE password.cpl
PC Card                                 CONTROL.EXE main.cpl pc card (PCMCIA)
Power Management                CONTROL.EXE main.cpl power
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Power Management CONTROL.EXE powercfg.cpl
Printers Folder CONTROL.EXE printers
Regional Settings CONTROL.EXE intl.cpl
Scanners and Cameras CONTROL.EXE sticpl.cpl
Sound Properties CONTROL.EXE mmsys.cpl sounds
System Properties CONTROL.EXE sysdm.cpl
NOTE:
Internet Options (Properties) [inetcpl.cpl] settings are valid computer/machine/system wide and for all internet + network app(lication)s/browsers/clients/EXEcutables/programs/services/tasks/tools/utilities, even if Internet Explorer (IE) web browser is deactivated, disabled or uninstalled.

* Access/execute/launch/open/run/start Control Panel (CP) items/folders/links/shortcuts + Windows APIs/core/GUI/shell/system functions using RunDLL32 [RUNDLL32.EXE] + Shell32 [SHELL32.DLL] commands available in Windows Vista/7/newer (some are also valid for Windows 2000/XP/2003):
http://www.windows7tips.com/rundll32-vista-windows-7.html
http://www.robvanderwoude.com/rundll.php
http://www.majorgeeks.com/content/page/the_ultimate_list_of_rundll32_commands_for_windows_1087.html
http://www.majorgeeks.com/content/page/here_are_all_the_rundll32_commands_for_windows_10.html
http://www.tenforums.com/tutorials/77458-rundll32-commands-list-windows-10-a.html
http://www.winaero.com/windows-11-control-panel-commands-to-open-applets-directly/
http://www.winaero.com/windows-10-rundll32-command-list/
http://www.thewindowsclub.com/rundll32-shortcut-commands-windows/
http://www.lifewire.com/command-line-commands-for-control-panel-applets-2626060/
https://web.archive.org/web/20150317044746/http://www.vlaurie.com/computers2/Articles/control.htm
https://web.archive.org/web/20150812103403/http://best-windows.vlaurie.com/rundll32.html
http://www.commandwindows.com/windows7-commands.htm
http://www.commandwindows.com/command3.htm
http://www.commandwindows.com/runline.htm
http://www.svolpi.ch/Windows/cmd.html
http://www.eightforums.com/threads/36567/
http://windows10dll.nirsoft.net/shell32_dll.html
http://den.dev/blog/windows-secret-tools-tricks/
Syntax:
RUNDLL32.EXE <cplname|dllname>,<entrypoint> [<optional argument(s)>]
All *.cpl, *.DLL, *.EXE files used here are located respectively in the %WinDir%, %WinDir%\SYSTEM32 + %WinDir%\SYSTEM32\wbem directories/folders [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
All these Control Panel (CP) commands can be used in DOS console BATch (.bat)/CoMmanD (.cmd) files, DOS console CoMmanD prompt [CMD.EXE], directory/folder names, items, links, powershell, scripts, shortcuts, etc.
Below is a comprehensive list of RunDll32 Control Panel (CP) commands.
Some may or may not be available or work properly depending on the specific Windows NTx OS(es) build/edition/release/update/version +/- bit strength [32-bit (x86) or 64-bit (x64)] installed on your computer(s)/device(s):
Add/Change/Repair/Uninstall Add-ons, Drivers, Programs, Features, Tools:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL appwiz.cpl,,0
Personalization -> Display:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL desk.cpl
Personalization -> Desktop Background (Wallpaper):
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL desk.cpl,,@Desktop
Personalization -> Color and Appearance (Aero):
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL desk.cpl,Advanced,@Advanced
Personalization -> Screen Saver:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL desk.cpl,screensaver,@screensaver
Content Advisor:
RUNDLL32.EXE msrating.dll,RatingSetupUI
Control Panel:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL
Primary Graphics/Video Adapter/Controller:
RUNDLL32.EXE display.dll,ShowAdapterSettings
Secondary Graphics/Video Adapter/Controller (if any):
RUNDLL32.EXE display.dll,ShowAdapterSettings 1
Device Installation Settings:
RUNDLL32.EXE newdev.dll,DeviceInternetSettingUi
RUNDLL32.EXE newdev.dll,DeviceInternetSettingUi 2
Delete Internet Explorer (IE) [DISCONTINUED!] temporary browsing, cache, cookies, history files + (sub)folders from the DOS console command line using Windows system built-in command line tools:
http://www.winhelponline.com/blog/clear-ie-cache-command-line-rundll32/
http://www.superuser.com/questions/450014/
http://www.stackoverflow.com/questions/33447236/
http://social.msdn.microsoft.com/forums/ie/ce81943b-32b8-437b-b620-171c3d5893e7/
Delete Internet Explorer (IE) History:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 1
Delete Internet Explorer (IE) Cookies:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 2
Delete Internet Explorer (IE) Temporary Internet Files (TIF):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 4
Delete Internet Explorer (IE) Favorites Cached Data (FCD) + History:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 8
Delete Internet Explorer (IE) Form Data (FD):

RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 16
Delete Internet Explorer (IE) Passwords:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 32
Delete Internet Explorer (IE) Phishing Filter Data (PFD):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 64
Delete Internet Explorer (IE) Web Page Recovery Data:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 128
Delete All Internet Explorer (IE) browsing + Temporary Internet Files (TIF):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 255
Delete All Internet Explorer (IE) browsing + Temporary Internet Files (TIF) without GUI:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 256
Delete All Internet Explorer (IE) browsing + Temporary Internet Files (TIF) without using multi-threading delete (slower):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 512
Delete Internet Explorer (IE) Private Mode Data (PMD):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 1024
Delete Internet Explorer (IE) Tracking Data (TD):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 2048
Delete Internet Explorer (IE) Add-ons Data (AoD):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 4096
Delete All Internet Explorer (IE) Add-ons settings + data (AoSD):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 4351
Delete Internet Explorer (IE) History + keep Favorites Cached Data (FCD):
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 8192
Delete Internet Explorer (IE) download History:
RUNDLL32.EXE InetCpl.cpl,ClearMyTracksByProcess 16384
Date and Time Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL timedate.cpl
Ease of Access Center:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL access.cpl
Display Settings:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL access.cpl,,3
Device Manager:
RUNDLL32.EXE DEVMGR.DLL,DeviceManager_Execute
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL hdwwiz.cpl
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL hdwwiz.cpl,,0
Folder (File Explorer) Options -> (General) View tab:
RUNDLL32.EXE SHELL32.DLL,Options_RunDLL 0
OR:
CONTROL.EXE folders
Folder Options -> File Types (Windows Vista/7 only):
RUNDLL32.EXE SHELL32.DLL,Control_Options 2
Folder Options -> Search:
RUNDLL32.EXE SHELL32.DLL,Options_RunDLL 2
Folder Options -> View:
RUNDLL32.EXE SHELL32.DLL,Options_RunDLL 7
Forgotten Password Wizard:
RUNDLL32.EXE KEYMGR.DLL,PRShowSaveWizardExW
Devices and Printers -> Bluetooth Devices -> Bluetooth Settings:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,1
Devices and Printers -> Bluetooth Devices -> COM Ports:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,2
Devices and Printers -> Bluetooth Devices -> Hardware:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,3
Devices and Printers -> Bluetooth Devices -> Shared Folder:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL bthprops.cpl,,4
Devices and Printers -> (Set up USB) Game Controllers -> Joystick Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL joy.cpl
Infrared (IR) Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL irprops.cpl
Hibernate:
RUNDLL32.EXE POWRPROF.DLL,SetSuspendState
Internet Explorer (IE) Properties -> General:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,0
Internet Explorer (IE) Properties -> Security:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,1
Internet Explorer (IE) Properties -> Privacy:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,2
Internet Explorer (IE) Properties -> Content:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,3
Internet Explorer (IE) Properties -> Connections:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,4
Internet Explorer (IE) Properties -> Programs:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,5
Internet Explorer (IE) Properties -> Advanced:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,6
Keyboard Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL main.cpl @1
Lock Screen:
RUNDLL32.EXE USER32.DLL,LockWorkStation
Swap Left and Right Mouse Buttons:
RUNDLL32.EXE USER32.DLL,SwapMouseButton

Mouse Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL main.cpl @0,0
Keyboard Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL main.cpl keyboard
Map Network Drive Wizard:
RUNDLL32.EXE SHELL32.DLL,SHHelpShortcuts_RunDLL Connect
Network Connections:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL ncpa.cpl
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL ncpa.cpl,,0
EXPLORER.EXE SHELL:::{7007ACC7-3202-11D1-AAD2-00805FC1270E}
Pen, Tablet and Touch:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL TabletPC.cpl
Pen, Tablet and Touch -> General:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL TabletPC.cpl @1,general
Pen, Tablet and Touch -> Buttons:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL TabletPC.cpl @1,buttons
Pen, Tablet and Touch -> Flicks:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL TabletPC.cpl @0,flicks
Pen, Tablet and Touch -> Touch:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL TabletPC.cpl @0,touch
Sync(hronization) Center -> Offline Files:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL cscui.dll
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL cscui.dll,2
MOBSYNC.EXE
Organize Internet Explorer (IE) Favorites:
RUNDLL32.EXE SHDOCVW.DLL,DoOrganizeFavDlg
Open With -> replace FileName.ext with an actual file name + extension:
RUNDLL32.EXE SHELL32.DLL,OpenAs_RunDLL FileName.ext
Printer User Interface command line options, switches + parameters:
RUNDLL32.EXE PRINTUI.DLL,PrintUIEntry /?
Printer Management Folder:
RUNDLL32.EXE SHELL32.DLL,SHHelpShortcuts_RunDLL PrintersFolder
Power Options:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL powercfg.cpl
Process Idle Tasks (Windows XP/2003 only):
https://web.archive.org/web/20101218135715/https://www.microsoft.com/whdc/archive/benchmark.mspx
RUNDLL32.EXE ADVAPI32.DLL,ProcessIdleTasks
Regional and Language Options -> Formats:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL intl.cpl
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL intl.cpl,,0
Regional and Language Options -> Location:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL intl.cpl,,1
Regional and Language Options -> Administrative:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL intl.cpl,,2
Stored Usernames and Passwords:
RUNDLL32.EXE KEYMGR.DLL,KRShowKeyMgr
Safely Remove Hardware (Plug/Unplug Removable Devices/Storage Media):
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL HotPlug.dll
Sound Properties:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL mmsys.cpl,,0
System Properties -> Advanced:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL sysdm.cpl,,3
System Properties -> System Protection:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL sysdm.cpl,,4
System Properties -> Automatic Updates:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL sysdm.cpl,,5
System Properties -> Environment Variables...:
RUNDLL32.EXE sysdm.cpl,EditEnvironmentVariables
Taskbar and Start Menu/Orb Properties:
RUNDLL32.EXE SHELL32.DLL,Options_RunDLL 1
User Accounts:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL nusrmgr.cpl
Local User and Groups (Windows 7/newer only):
MMC.EXE /S lusrmgr.msc
Windows Security Center (WSC) -> Security and Maintenance:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL wscui.cpl
Windows -> About [winver.exe = Version information]:
RUNDLL32.EXE SHELL32.DLL,ShellAbout
OR:
RUNDLL32.EXE SHELL32.DLL,ShellAboutW
Windows Fonts Installation Folder:
RUNDLL32.EXE SHELL32.DLL,SHHelpShortcuts_RunDLL FontsFolder
Windows Firewall:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL firewall.cpl
Wireless Network Setup:
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL NetSetup.cpl,@0,WNSW
3D Window (Task) Switcher = Flip3D (Aero) (Windows Vista/7 only):
RUNDLL32.EXE DwmApi.dll #105
Windows 16-Bit Emulation Control Panel (Windows 10 only):
http://www.fileinspect.com/fileinfo/ntvdmcpl-dll/
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL ntvdmcpl.dll
Windows To Go Startup Options (Windows 10 only):

RUNDLL32.EXE pwlauncher.dll,ShowPortableWorkspaceLauncherConfigurationUX
Syntax using Shell32 [SHELL32.DLL] functions:
RUNDLL32.EXE SHELL32.DLL,[#|-]<entrypoint> [<optional argument(s)>]
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#49
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#50
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#51
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#52
Sign Out [unattended, no confirmation]:
RUNDLL32.EXE SHELL32.DLL,#54
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#55
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#56
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#57
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#58
You must restart your computer to apply these changes: Restart Now | Restart Later:
RUNDLL32.EXE SHELL32.DLL,#59
Run... [hold WinKey + press R]:
RUNDLL32.EXE SHELL32.DLL,#61
DLL_Name.dll or Program_Name.exe has stopped working -> Close the program:
RUNDLL32.EXE SHELL32.DLL,#62

* Use Microsoft Management Console (MMC) [MMC.EXE] snap-in control precompiled script files (.mmc) in Windows 2000/newer:
http://en.wikipedia.org/wiki/Microsoft_Management_Console
http://learn.microsoft.com/windows-server/administration/windows-commands/mmc/
http://msdn.microsoft.com/library/bb742441.aspx
http://msdn.microsoft.com/library/bb742442.aspx
http://www.ss64.com/nt/syntax-mmc.html
http://www.groovypost.com/tips/mmc-exe-windows-process-safe-virus/
http://www.ghacks.net/2017/06/10/windows-msc-files-overview/
http://www.mdgx.com/add.htm#MMC
Syntax:
MMC.EXE <optional arguments> <snap-in file path>\<snap-in file name>.<snap-in file extension>
File paths, file names, file extensions + optional arguments/parameters are case insensitive.
MMC commands can be used in shortcuts, DOS console BATch (.bat)/CoMmanD (.cmd) files, scripts, powershell, etc.
MMC command line using /S (Silent) parameter (example):
MMC.EXE /S services.msc
NOTE:
Microsoft "quietly" discontinued the /S (Silent) MMC parameter from Windows 8/newer. :-(
By default *.msc files are associated with %WinDir%\SYSTEM32\MMC.EXE, therefore they can be run by themselves (example):
services.msc
unless you need to run them with specific command line arguments/parameters, in which case you need to use the MMC command
in front of the *.msc file name, and followed by respective parameter(s) (see example above).
Most *.msc files are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS], listed in your
system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Administrative Tools/Utilities [for .msc files + MMC.EXE commands -> see above]:
Administrative Tools = CONTROL.EXE admintools
Authorization Manager = azman.msc
Certificate Manager = certmgr.msc
Component Services = comexp.msc + dcomcnfg.exe
DirectX (DX) Diagnostic Tool = dxdiag.exe
Display Languages = lpksetup.exe
ODBC Data Source Administrator = odbcad32.exe
File Signature Verification Tool = sigverif.exe
Group Policy Editor (GPE) = gpedit.msc [Microsoft removed GPE from all Windows XP/newer Home + Starter editions! :-(]
http://www.mdgx.com/xptoy.htm#GPX
Add Hardware Wizard = hdwwiz.cpl
iSCSI Initiator = iscsicpl.exe
Iexpress (Internet Explorer Express) Wizard = iexpress.exe
Local Security Settings = secpol.msc
Microsoft Support Diagnostic Tool (MSDT) = msdt.exe
Microsoft Management Console (MMC) = mmc.exe
Print management = printmanagement.msc
Printer User Interface = printui.exe
Problems Steps Recorder (PSR) = psr.exe
People Near Me = p2phost.exe
Registry Editor (RegEdit) = RegEdit.exe or RegEdt32.exe
http://www.mdgx.com/reg.htm#RER
Resource Monitor = resmon.exe
System Configuration Utility = msconfig.exe
Resultant Set of Policy (RSOP) = rsop.msc

SQL Server Client Configuration = cliconfg.exe
Task Manager (TM) = taskmgr.exe [also LaunchTM.exe in Windows 10/newer]
Trusted Platform Module (TPM) = tpm.msc
TPM Security Hardware = TpmInit.exe
Windows Remote Assistance (WRA) = msra.exe
Windows Share Folder Creation Wizard = shrpubw.exe
Windows Update Manager (WUM) = wusa.exe
Windows System Security Tool = syskey.exe
Windows Script Host Settings = wscript.exe
Windows Version = winver.exe
Windows (Defender) Firewall [W(D)F] with Advanced Security = wf.msc
Windows Memory Diagnostic = MdSched.exe
Windows Malicious Removal Tool (MRT) = mrt.exe

* Computer Management:
Management Saved Console (.msc) script files are associated by default with and executed by Microsoft Management Console [MMC.EXE] snap-in control tool, and most of them are located in the %WinDir%\SYSTEM32 folder [%WinDir% = usually C:\WINDOWS].
http://en.wikipedia.org/wiki/Microsoft_Management_Console
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Command line (example):
MMC.EXE /S services.msc
Computer Management = compmgmt.msc or CompMgmtLauncher.exe
Task Scheduler = CONTROL.EXE schedtasks or taskschd.msc
Event Viewer = eventvwr.msc
Shared Folders = fsmgmt.msc
Local Users and Groups = lusrmgr.msc
Performance Monitor = perfmon.msc
Device Manager = devmgmt.msc
Disk Management = diskmgmt.msc
Windows Services = services.msc
Windows Management Infrastructure (WMI) = wmimgmt.msc

* Control Panel (CP) [renamed Windows Settings (WS) in Windows 10/newer]:
Control Panel = CONTROL.EXE
Action (Security) Center = wscui.cpl
AutoPlay = CONTROL.EXE /name Microsoft.AutoPlay
Backup and Restore = sdclt.exe
Create a System Repair disc = recdisc.exe
BDE Administrator = bdeadmin.cpl
Color Management = colorcpl.exe
Credential Manager = CONTROL.EXE /name Microsoft.CredentialManager
Credential Manager Stored User Names and Passwords = credwiz.exe
Date and Time Properties = timedate.cpl
Default Programs = CONTROL.EXE /name Microsoft.DefaultPrograms
Set Program Access and Computer Defaults = CONTROL.EXE appwiz.cpl,,3 or ComputerDefaults
Devices and Printers = CONTROL.EXE Printers
Devices and Printers Add a Device = DevicePairingWizard.exe
Display = dpiscaling.exe
Screen Resolution = desk.cpl
Display Color Calibration = dccw.exe
Cleartype Text Tuner = cttune.exe
Folders (File Explorer) Options (General) View tab = CONTROL.EXE Folders
Fonts = CONTROL.EXE Fonts
Getting Started = GettingStarted.exe
HomeGroup = CONTROL.EXE /name Microsoft.HomeGroup
Indexing Options = CONTROL.EXE /name Microsoft.IndexingOptions
Internet Options (Properties) = inetcpl.cpl
Keyboard = CONTROL.EXE keyboard
Location and Other Sensors = CONTROL.EXE /name Microsoft.LocationandOtherSensors
Location Notifications = LocationNotifications.exe
Mouse = CONTROL.EXE mouse or main.cpl or CONTROL.EXE main.cpl,,0
Network and Sharing Center = CONTROL.EXE /name Microsoft.NetworkandSharingCenter
Network Connections = CONTROL.EXE NetConnections or ncpa.cpl
Notification Area Icons = CONTROL.EXE /name Microsoft.NotificationAreaIcons
Parental Controls = CONTROL.EXE /name Microsoft.ParentalControls
Performance Information = CONTROL.EXE /name Microsoft.PerformanceInformationandTools
Personalization = CONTROL.EXE Desktop
Windows Color and Appearance (Aero) = CONTROL.EXE Color
Phone and Modem Options = telephon.cpl
Power Configuration = powercfg.cpl
Programs and Features = appwiz.cpl or CONTROL.EXE appwiz.cpl
Optional Features Manager = OptionalFeatures.exe or CONTROL.EXE appwiz.cpl,,2
Recovery = CONTROL.EXE /name Microsoft.Recovery
Regional and Language = intl.cpl
RemoteApp and Desktop Connections = CONTROL.EXE /name Microsoft.RemoteAppandDesktopConnections
Sound = mmsys.cpl
Personalization (Desktop Background, Themes, Colors, Appearance, Sounds, Screen Saver) = CONTROL.EXE desk.cpl,,2
Screen Saver (SS) = CONTROL.EXE desk.cpl,,1

Speech Properties = %WinDir%\SYSTEM32\Speech\SpeechUX\SpeechUXWiz.exe (Windows 10/11)
Speech Recognition = %WinDir%\Speech\Common\sapisvr.exe (Windosws 7/8/8.1)
Volume Mixer = sndvol.exe
System Properties = sysdm.cpl or hold WinKey + press Pause/Break
System Properties ComputerName tab = SystemPropertiesComputerName.exe
System Properties Hardware tab = SystemPropertiesHardware.exe
System Properties Advanced tab = SystemPropertiesAdvanced.exe
System Properties Performance Options = SystemPropertiesPerformance.exe
System Properties Data Execution Prevention = SystemPropertiesDataExecutionPrevention.exe
System Properties Protection tab = SystemPropertiesProtection.exe
System Properties Remote tab = SystemPropertiesRemote.exe
Windows Activation = slui.exe
Windows Activation Phone Numbers = slui.exe 4
Taskbar and Start Menu = CONTROL.EXE /name Microsoft.TaskbarandStartMenu
Program Compatibility Troubleshooter (PCT) (Diagnostics Troubleshooting Wizard) =
CONTROL.EXE /name Microsoft.Troubleshooting (MSDT.EXE -id PCWDiagnostic)
User Accounts = CONTROL.EXE /name Microsoft.UserAccounts
User Account Control (UAC) Settings = UserAccountControlSettings.exe
User Accounts / Windows domain version = netplwiz.exe or CONTROL.EXE Userpasswords2
Encryption File System = rekeywiz.exe
Windows Anytime Upgrade = WindowsAnytimeUpgradeui.exe
Windows Anytime Upgrade Results = WindowsAnytimeUpgradeResults.exe
Windows CardSpace = CONTROL.EXE /name Microsoft.cardspace
Windows (Defender) Firewall [W(D)F] = firewall.cpl or CONTROL.EXE /name Microsoft.WindowsFirewall
Windows Network Diagnostics (Diagnostics Troubleshooting Wizard) =
MSDT.EXE -id NetworkDiagnosticsWeb -ep SystemSettings_Troubleshoot_L2 -skip true -elevated yes
WindowsSideshow = CONTROL.EXE /name Microsoft.WindowsSideshow
Windows Update (WU) = CONTROL.EXE /name Microsoft.WindowsUpdate (CONTROL.EXE update) (wuapp.exe)
Windows Update (WU) -> Change Settings = CONTROL.EXE /name Microsoft.WindowsUpdate /page pageSettings
NOTE:
Internet Options (Properties) [inetcpl.cpl] settings are valid computer/machine/system wide and for all internet + network
app(lication)s/browsers/clients/EXEcutables/programs/services/tasks/tools/utilities, even if Internet Explorer (IE) web
browser is deactivated, disabled or uninstalled.

* Accessories:
Calculator = calc.exe
Text based DOS console/terminal/window CoMmanD prompt = cmd.exe
http://learn.microsoft.com/windows-server/administration/windows-commands/cmd/
Connect/Select Presentation/Project/Switch to 2nd/other display/monitor/screen/projector = DisplaySwitch.exe or hold WinKey
+ press P
Connect/Select Presentation/Project/Switch to Network display/monitor/screen/projector = NetProj.exe
Presentation Settings = PresentationSettings.exe
Notepad (plain text editor/viewer) = notepad.exe
Microsoft Paint = mspaint.exe
Remote Desktop Connection (RDC) = mstsc.exe
Run... = hold WinKey + press R or run this command:
RUNDLL32.EXE SHELL32.DLL,#61
Snipping Tool = snippingtool.exe
Sound Recorder = soundrecorder.exe
Sticky Notes = StikyNot.exe
Sync(hronization) Center = mobsync.exe
Windows Mobility Center [laptops/notebooks/portables only] = mblctr.exe or hold WinKey + press X
Windows (File) Explorer = explorer.exe or hold WinKey + press E
Wordpad = write.exe or wordpad.exe
Ease of Access Center (EAC) = utilman.exe or hold WinKey + press U
Magnifier = magnify.exe
Narrator = Narrator.exe
On Screen Keyboard (OSK) = osk.exe
Private Character Editor = eudcedit.exe
Character Map = charmap.exe
Digitizer Calibration Tool = tabcal.exe
Disk Cleanup Utility = cleanmgr.exe
Defragment Graphical User Interface (GUI) = dfrgui.exe
Internet Explorer (IE) [DISCONTINUED!] = iexplore.exe
Internet Explorer (IE) no add-ons = iexplore.exe -extoff
Internet Explorer (IE) no home page = iexplore.exe about:blank
Phone Dialer = dialer.exe
Printer Migration = PrintBrmUi.exe
Rating System = ticrf.exe
System Information = msinfo32.exe
System Restore User Interface (UI) = rstrui.exe
Windows Easy Transfer (Migration Wizard) = migwiz.exe
Windows Media Player (WMP) = wmplayer.exe
Windows DVD Player = dvdplay.exe [runs Windows Media Player (WMP) -> see above]
Windows Fax and Scan Cover Page Editor = fxscover.exe
Windows Fax and Scan = wfs.exe
Windows Image Acquisition (WIA, WMA) (attachments, copiers, devices, scanners) = wiaacmgr.exe
Windows PowerShell = PowerShell.exe [%WinDir%\System32\WindowsPowerShell\v1.0\PowerShell.exe = default location]
Example of "fully loaded" PowerShell command line:
PowerShell.exe -noExit -ExecutionPolicy Unrestricted -ImportSystemModules -Command Set-Location -literalPath '%V'
http://learn.microsoft.com/windows-server/administration/windows-commands/powershell/
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_exe/

http://learn.microsoft.com/powershell/module/microsoft.powershell.security/set-executionpolicy/
http://www.ss64.com/ps/powershell.html
http://www.ss64.com/ps/
http://www.ss64.com/ps/syntax-elevate.html
PowerShell ISE (Integrated Scripting Environment) = powershell_ise.exe
[%WinDir%\System32\WindowsPowerShell\v1.0\PowerShell_ISE.exe = default location]
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_ise_exe/
XML (eXtensible Markup Language) Paper Specification (XPS) Viewer = xpsrchvw.exe

* Other System (all managed/registered users on the same machine/system) + User (only current logged on/signed in user)
Shell Folders (directories):
Documents
Pictures
Music
Videos
Downloads
Favorites
Recent
Searches

* User Specific Commands:
Logs out/signs off of Windows = Logoff
Locks User Account = hold WinKey + press L

* List of System (all managed/registered users on the same machine/system) + User (only current logged on/signed in user)
Shell Folders (directories) in Windows Vista/newer:
http://www.ss64.com/nt/shell.html
http://www.winhelponline.com/blog/shell-commands-to-access-the-special-folders/
http://www.winaero.com/list-of-shell-commands-in-windows-10/
http://www.tenforums.com/tutorials/3109-shell-commands-list-windows-10-a.html
http://www.techradar.com/news/computing/pc/shell-folders-the-best-kept-windows-time-saving-secret-464668/
These preset/hard linked System (all managed/registered users on the same machine/system) + User (only current logged on/signed in user) shell folders and their locations are listed under these registry keys (some may not exist, depending on Windows NTx OS build/edition/release/update/version):
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders
HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders
HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders\Backup
HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders
HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders
See also "XP -> 7/8/8.1 Easy Transfer Files + Settings" chapter further below +
"* Link Directory IDentifier (LDID)/DIRectory IDentifier (DIRID)/Decentralized IDentifier (DID)" topic further above:
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
View their locations from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter (example):
EXPLORER.EXE shell:AppData
To view the rest -> repeat this command by sustituting AppData with the string values listed below:

Shell Command	Description
shell:AccountPictures	Account Pictures
shell:AddNewProgramsFolder	Programs Control Panel item
shell:Administrative Tools	Administrative Tools
shell:AppData	C:\Users\%UserName%\Appdata\Roaming = %AppData%
shell:Application Shortcuts	Modern Apps shortcuts
shell:AppsFolder	Installed Modern Apps
shell:AppUpdatesFolder	Installed Updates Control Panel item
shell:Cache	Internet Explorer (IE) Cache [Temporary Internet Files (TIF)]
shell:CD Burning	Temporary Burn
shell:ChangeRemoveProgramsFolder	Uninstall Program Control Panel item
shell:Common Administrative Tools	Administrative Tools for all users
shell:Common AppData	C:\ProgramData = %ProgramData%
shell:Common Desktop	Public Desktop = same for all users
shell:Common Documents	Public Documents
shell:Common Programs	All Users Programs = part of Start Menu + used by Start screen
shell:Common Start Menu	All Users Start Menu
shell:Common Startup	Startup = all users
shell:Common Templates	Startup = new documents, templates (MS Office, etc)
shell:CommonDownloads	Public Downloads
shell:CommonMusic	Public Music
shell:CommonPictures	Public Pictures
shell:CommonRingtones	Public Ringtones
shell:CommonVideo	Public Videos
shell:ConflictFolder	Control Panel\All Control Panel Items\Sync Center\Conflicts item
shell:ConnectionsFolder	Control Panel\All Control Panel Items\Network Connections item
shell:Contacts	Contacts = Address book
shell:ControlPanelFolder	Control Panel
shell:Cookies	Internet Explorer (IE) Cookies
shell:CredentialManager	C:\Users\%UserName%\AppData\Roaming\Microsoft\Credentials
shell:CryptoKeys	C:\Users\%UserName%\AppData\Roaming\Microsoft\Crypto

```
shell:CSCFolder         Offline files = Not valid in Windows 7/newer
shell:Desktop                   Desktop = different for each user
shell:Device Metadata Store     C:\ProgramData\Microsoft\Windows\DeviceMetadataStore
shell:DocumentsLibrary          Documents Library
shell:Downloads         Downloads
shell:DpapiKeys         C:\Users\%UserName%\AppData\Roaming\Microsoft\Protect
shell:Favorites         Favorites
shell:Fonts                     C:\WINDOWS\Fonts = %WinDir%\Fonts
shell:Games                     Games Explorer item
shell:GameTasks         C:\Users\%UserName%\AppData\Local\Microsoft\Windows\GameExplorer
shell:History                   C:\Users\%UserName%\AppData\Local\Microsoft\Windows\History = Internet Explorer (IE)
                                browsing history
shell:HomeGroupCurrentUserFolder Home Group for current user
shell:HomeGroupFolder           Home Group root
shell:ImplicitAppShortcuts      C:\Users\%UserName%\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch\User
                                Pinned\ImplicitAppShortcuts
shell:InternetFolder            Internet Explorer (IE)
shell:Libraries         Libraries
shell:Links                     Favorites = Explorer menu
shell:LocalAppData              C:\Users\%UserName%\AppData\Local
shell:LocalAppDataLow           C:\Users\%UserName%\AppData\LocalLow
shell:LocalizedResourcesDir     Not valid in Windows 8/8.1/10/11
shell:MAPIFolder                Microsoft Outlook
shell:MusicLibrary              Music Library
shell:My Music                  My Music (not Library)
shell:My Pictures               My Pictures (not Library)
shell:My Video                  My Videos (not Library)
shell:MyComputerFolder          Computer/Drives
shell:NetHood                   C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Network Shortcuts
shell:NetworkPlacesFolder       Network Places = Computers and Devices instaleld on respective network
shell:OEM Links         May work only in Windows 8/8.1/10/11 OEM editions
shell:Original Images           Not functional in Windows 8/8.1/10/11
shell:Personal                  My Documents (not Library)
shell:PhotoAlbums               Saved slideshows = May work only in Windows 10/11
shell:PicturesLibrary           Pictures Library
shell:Playlists         Stored WMP Playlists
shell:PrintersFolder            Classic Printers (not Devices and Printers)
shell:PrintHood         C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Printer Shortcuts
shell:Profile                   User profile = %UserProfile% = C:\Users\%UserName%
shell:ProgramFiles              C:\Program Files = %ProgramFiles%
shell:ProgramFilesX86           C:\Program Files (x86) = %ProgramFiles(x86)% = Windows 64-bit (x64) only
shell:ProgramFilesCommon        C:\Program Files\Common Files
shell:ProgramFilesCommonX86     C:\Program Files (x86)\Common Files = Windows 64-bit (x64) only
shell:Programs                  C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Start Menu\Programs = Per user Start
                                Menu Programs
shell:Public                    C:\Users\Public
shell:PublicAccountPictures     C:\Users\Public\AccountPictures
shell:PublicGameTasks           C:\ProgramData\Microsoft\Windows\GameExplorer
shell:PublicLibraries           C:\Users\Public\Libraries
shell:Quick Launch              C:\Users\%UserName%\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch
shell:Recent                    Recent Items = Recent Documents
shell:RecordedTVLibrary Recorded TV Library
shell:RecycleBinFolder          Recycle Bin
shell:ResourceDir               C:\WINDOWS\Resources = %WinDir%\Resources stores visual styles
shell:Ringtones         C:\Users\%UserName%\AppData\Local\Microsoft\Windows\Ringtones
shell:Roamed Tile Images        Not implemented yet = Reserved for future use
shell:Roaming Tiles             C:\Users\%UserName%\AppData\Local\Microsoft\Windows\RoamingTiles
shell:SavedGames                Saved Games
shell:Screenshots               Win+Print Screen screen shots
shell:Searches                  Saved Searches
shell:SearchHomeFolder          Windows Search UI
shell:SendTo                    Items visible in Send to menu
shell:Start Menu                C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Start Menu = Logged on User Start Menu
shell:Startup                   Logged on User Startup
shell:SyncCenterFolder          Control Panel\All Control Panel Items\Sync Center
shell:SyncResultsFolder Control Panel\All Control Panel Items\Sync Center\Sync Results
shell:SyncSetupFolder           Control Panel\All Control Panel Items\Sync Center\Sync Setup
shell:System                    C:\WINDOWS\System32 = %WinDir%\System32
shell:SystemCertificates        C:\Users\%UserName%\AppData\Roaming\Microsoft\SystemCertificates
shell:SystemX86         C:\WINDOWS\SysWOW64 = %WinDir%\SysWOW64 = Windows 64-bit (x64) only
shell:Templates         C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Templates
shell:User Pinned               C:\Users\%UserName%\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch\User Pinned =
                                Pinned items
shell:UserProfiles              C:\Users = Users profiles
shell:UserProgramFiles          Not implemented yet = Reserved for future use
shell:UserProgramFilesCommon    Not implemented yet = Reserved for future use
shell:UsersFilesFolder          Current user profile
shell:UsersLibrariesFolder      Libraries
shell:VideosLibrary             Videos Library
shell:Windows                   C:\WINDOWS = %WinDir%
TIP:
****
```

Windows NTx built-in/default/pre-installed/preset machine/system (apply to all managed/registered users on the same machine/system) + local/user (apply only to current logged on/signed in user) environment variables used for target system/user directories/folders:
http://www.ss64.com/nt/syntax-variables.html
http://pureinfotech.com/list-environment-variables-windows-10/
http://www.computerhope.com/issues/ch000549.htm
- %LocalAppData% = usually %UserProfile%\AppData\Local [same as C:\Users\%UserName%\AppData\Local] OR %WinDir%\SYSTEM32\Config\SystemProfile\AppData\Local .
- %ProgramData% = usually C:\ProgramData .
- %ProgramFiles% = usually C:\Program Files [exists in Windows 32-bit (x86) + Windows 64-bit (x64)].
- %ProgramFiles(x86)% = usually C:\Program Files (x86) [exists only in Windows 64-bit (x64)].
- %SystemDrive% = usually C:\ root.
- %SystemRoot% = usually C:\WINDOWS [same as %WinDir%].
- %UserName% = your user name.
- %UserProfile% = usually C:\Users\%UserName% .
- %WinDir% = usually C:\WINDOWS [same as %SystemRoot%].
CAUTION:
****
Windows operating system (OS) integrity, proper functionality + correct operation *depend* on the *presence* + *validity* of *all* these system variables!
INvalid/wrong parameters can render Windows INoperable or/and UNbootable, and you may have to reinstall from scratch or repair your operating system (OS), eventually using backup/original storage media containing Windows Setup files!
Some of these variables can be added/customized/deleted/modified by using a Control Panel (CP)/Windows Settings (WS) tool:
Run... [hold WinKey + press R] -> type this command
SystemPropertiesAdvanced.exe
-> press Enter -> Advanced tab -> Environment Variables... button -> edit variables -> highlight respective line -> Edit button -> change parameters -> OK -> OK.
View the list of all your Windows operating system (OS) environment variables from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SET
-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)
SET>C:\Windows_Environment_Variables.txt
-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Example of Windows Vista/newer list of relevant environment variables [replace all User_Name instances with your actual user name]:
----------snippity-snip----------
ALLUSERSPROFILE=C:\ProgramData
APPDATA=C:\Users\User_Name\AppData\Roaming [OR: APPDATA=C:\Windows\system32\config\systemprofile\AppData\Roaming]
CommonProgramFiles=C:\Program Files\Common Files
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files [exists only in Windows 64-bit (x64)]
CommonProgramW6432=C:\Program Files\Common Files
ComSpec=C:\Windows\system32\cmd.exe
DriverData=C:\Windows\System32\Drivers\DriverData
HOMEDRIVE=C:
HOMEPATH=\WINDOWS\SYSTEM32 [OR: HOMEPATH=\Users\User_Name]
LOCALAPPDATA=C:\Users\User_Name\AppData\Local [OR: LOCALAPPDATA=C:\Windows\system32\config\systemprofile\AppData\Local]
OS=Windows_NT
ProgramData=C:\ProgramData
ProgramFiles=C:\Program Files
ProgramFiles(x86)=C:\Program Files (x86) [exists only in Windows 64-bit (x64)]
ProgramW6432=C:\Program Files
PSModulePath=%ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\system32\WindowsPowerShell\v1.0\Modules
PUBLIC=C:\Users\Public
SystemDrive=C:
SystemRoot=C:\Windows
TEMP=C:\Users\User_Name\AppData\Local\Temp [OR: TEMP=C:\Windows\TEMP]
TMP=C:\Users\User_Name\AppData\Local\Temp [OR: TMP=C:\Windows\TEMP]
USERNAME=User_Name
USERPROFILE=C:\Users\User_Name [OR: USERPROFILE=C:\Windows\system32\config\systemprofile]
windir=C:\Windows
----------snippity-snip----------
_____

Public Root DNS Servers [*]
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D

This applies to all Windows XP/newer builds/editions/releases/versions.

* Secure encrypted public Root DNS (Domain Name System) Servers = DNS over HTTPS (HyperText Transfer Protocol Secure) (DoH) + DNS over TLS (Transport Layer Security) (DoT) guidelines, listings, ratings, reviews, tips, providers, servers, services [free]:
http://www.privacyguides.org/en/advanced/dns-overview/

http://www.privacyguides.org/en/dns/#recommended-providers
http://avoidthehack.com/best-dns-privacy/
http://www.proxynova.com/proxy-articles/free-proxy/
http://dnscrypt.info/public-servers/
http://www.lifewire.com/free-and-public-dns-servers-2626062/
http://github.com/curl/curl/wiki/DNS-over-HTTPS/
http://www.privacytools.io/encrypted-dns/
http://twitgoo.com/best-free-dns-servers/
http://public-dns.info/
http://public-dns.info/nameserver/us.html
http://servers.opennicproject.org/
http://www.publicdns.xyz/
http://wiki.ipfire.org/dns/public-servers
http://www.tech-faq.com/public-dns-servers.html
http://adguard-dns.io/kb/general/dns-providers/
http://fmhy.net/storage/#free-dns-resolvers
http://fmhy.net/storage/#dynamic-dns-services-subdomains
http://www.tweaks.com/windows/40339/
http://www.zdnet.com/blog/networking/fixing-dns-woes-for-comcast-users-and-everyone-else/

* Free public proxy IPs/providers/servers with good/high anonymity, decent/full bandwidth/traffic speed + no data/traffic cap/limit:
- SPYS.ONE: Free proxy list:
http://spys.one/
- ProxyNova: Free Proxy List - Elite Proxies:
http://www.proxynova.com/proxy-server-list/elite-proxies/
- geonode: Free proxy list:
http://geonode.com/free-proxy-list/
- hidemyname: Online database of proxy lists:
http://hide.mn/proxy-list/?anon=4#list
- ProxyDB: Proxy List:
http://proxydb.net/?anonlvl=4
- Proxifly's free proxy list:
http://github.com/proxifly/free-proxy-list/
- PROXY-LIST [free proxies]:
http://github.com/TheSpeedX/PROXY-List/
- Fortinet: Proxy vs VPN: What Is the Difference?
http://www.fortinet.com/resources/cyberglossary/proxy-vs-vpn/
- EverybodyWiki: Comparison of Proxifiers:
http://en.everybodywiki.com/Comparison_of_proxifiers
- Cloudwards: 10 Best Free Proxy Websites: Mask Your IP Address for Free:
http://www.cloudwards.net/best-free-proxy/
- Wikipedia: Proxy Server:
http://en.wikipedia.org/wiki/Proxy_server

* Turn ON "Secure DNS" [DNS over HTTPS (DoH)] in your web browser + other privacy, safety + security options:
- See "@ Chromium/Chrome web browsers + alternatives/derivatives/forks/variants" topic under "Digital + Internet/Online Privacy, Safety + Security = Your Top Priority" chapter
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D
further below in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
- How to enable DNS-over-HTTPS (Secure DNS) in Chrome, Brave, Edge, Firefox and other browsers:
http://www.ghacks.net/2021/10/23/how-to-enable-dns-over-https-secure-dns-in-chrome-brave-edge-firefox-and-other-browsers/
- Turn ON Chromium/Chrome "Use Secure DNS" [DNS over HTTPS (DoH)] encrypted IP lookup feature:
http://support.google.com/chrome/answer/10468685/
- Configure DNS over HTTPS (DoH) "Enable Secure DNS" protection levels in Firefox:
http://support.mozilla.org/kb/dns-over-https/
- Firefox DNS over HTTPS:
http://support.mozilla.org/kb/firefox-dns-over-https/
- MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
- MDGx "@ Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSF
- MDGx: "Best Free VPN/Proxy Extensions for Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNC
- MDGx: "Best Free VPN/Proxy Add-ons for Firefox [+ alternatives/derivatives/forks/variants] web browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNF
- MDGx "Anonymous + Faster Surfing" solutions:
http://www.mdgx.com/links.htm#ANO

* DNS servers IP (Internet Protocol) addresses + URLs detection, leak tests + performance:
http://www.mdgx.com/nettoys.htm#PSSGS
- Google public DNS converter/resolver [IP -> URL + URL -> IP] + supported security protocols + standards detector:
http://dns.google/
- Gibson Research Corporation (GRC): DNS Nameserver Spoofability Test -> Test Your IP(s) in Your Web Browser(s):
http://www.grc.com/dns/dns.htm

- DNSPerf: DNS Performance Analytics + Comparison:
http://www.dnsperf.com/#!dns-resolvers
- Cloudflare Browsing Experience Security Check: Secure DNS, DNSSEC, TLS + Secure SNI (Server Name Indication) [Encrypted Client Hello (ECH)] -> Test Your Web Browser(s):
http://www.cloudflare.com/ssl/encrypted-sni/
- IPLeak: IP/DNS Detect -> Test Your Web Browser(s):
http://ipleak.net/
- WebRTC IP leaks -> Test Your Web Browser(s):
http://diafygi.github.io/webrtc-ips/
- BrowserLeaks: DNS (Domain Name System) Leak Test -> Test Your Web Browser(s):
http://browserleaks.com/dns/
- Whoer: My IP, DNS Leak, Evercookie (Supercookie) + Port Scanner Tests:
http://whoer.net/
- Whoer: DNS Leak Test:
http://whoer.net/dns-leak-test/
- DNS leak test: How to fix a DNS Leak:
http://www.dnsleaktest.com/how-to-fix-a-dns-leak.html
- Cloudflare: Connection Information + Connectivity to Resolver IP Addresses:
http://one.one.one.one/help/

* Reference:
- Wikipedia: Root name server:
http://en.wikipedia.org/wiki/Root_name_server
- Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
- Wikipedia: Secure Sockets Layer (SSL):
http://en.wikipedia.org/wiki/Secure_Sockets_Layer
- Wikipedia: Transport Layer Security (TLS):
http://en.wikipedia.org/wiki/Transport_Layer_Security
- Wikipedia: DNS over TLS (DoT):
http://en.wikipedia.org/wiki/DNS_over_TLS
- Wikipedia: DNS over HTTPS (DoH):
http://en.wikipedia.org/wiki/DNS_over_HTTPS
- Wikipedia: Hypertext Transfer Protocol Secure (HTTPS):
http://en.wikipedia.org/wiki/HTTPS
- Wikipedia: Domain Name System Security Extensions (DNSSEC):
http://en.wikipedia.org/wiki/Domain_Name_System_Security_Extensions
- Wikipedia: DNSCrypt:
http://en.wikipedia.org/wiki/DNSCrypt
- Wikipedia: Proxy Server:
http://en.wikipedia.org/wiki/Proxy_server
- Wikipedia: Proxy Auto-Config (PAC) file:
http://en.wikipedia.org/wiki/Proxy_auto-config
- Wikipedia: Web Proxy Auto-Discovery (WPAD) protocol:
http://en.wikipedia.org/wiki/Web_Proxy_Auto-Discovery_Protocol
- Wikipedia: Virtual Private Network (VPN):
http://en.wikipedia.org/wiki/Virtual_private_network
- Wikipedia: VPN Service:
http://en.wikipedia.org/wiki/VPN_service

* Automate Windows XP/newer customization of NameServer registry String [REG_SZ] values to turn ON/enable/customize DoH (DNS over HTTPS) using public root DNS servers from reliable/trusted entities (see links to servers further above, and providers further below) in order to prevent privacy, safety + security breaches, dissemination, exposure, hacking, intrusions, invasion, leaks, auditing, fingerprinting, phishing, malware, spyware, surveillance, tracking:
http://serverfault.com/questions/208490/
http://technet.microsoft.com/library/cc978468.aspx
http://learn.microsoft.com/troubleshoot/windows-client/networking/tcpip-and-nbt-configuration-parameters/
http://portforward.com/networking/static-win7.htm
http://www.windowscentral.com/how-change-your-pcs-dns-settings-windows-10/
http://www.howto-connect.com/change-dns-server-address-windows-11-4-methods/
Setup/change IPv4 (and IPv6 if applicable) public root DNS servers registry entries (example using default home computer internet connection name: "Local Area Network" (LAN) connection = modify to match your connection name if different [other typical examples: "Ethernet", "LAN", "Wi-Fi"], and to use Cloudflare public root DNS servers):
- Windows 8, 8.1, 2012, 10, 2016, 2019, 2022, 11, 2025 + newer users:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Cloudflare public root DNS servers (example):
:: * Windows 8/newer only:
NETSH.EXE interface ipv4 set dns "Local Area Connection" static 1.1.1.1
NETSH.EXE interface ipv4 add dns "Local Area Connection" 1.0.0.1 index=2
:END
EXIT
```

------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
- Windows 7, 7 SP1 + 2008 R2 users:

TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Cloudflare public root DNS servers (example):
:: * Windows 7/7 SP1 only:
NETSH.EXE interface ip set dns "Local Area Connection" static 1.1.1.1
NETSH.EXE interface ip add dns "Local Area Connection" 1.0.0.1 index=2
:END
EXIT
```

------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
- Windows XP + 2003 users:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Cloudflare public root DNS servers (example):
:: * Windows XP/2003 only:
NETSH.EXE interface ip set address dns name="Local Area Connection" static 1.1.1.1
NETSH.EXE interface ip add address dns name="Local Area Connection" 1.0.0.1 index=2
:END
EXIT
```

------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
Another method:
BATch (.bat)/CoMmanD (.cmd) script files below (name it and save it as whatever you wish, just make sure it has the .bat or .cmd extension) search the Registry database for the current/active internet/network connection, and adds/changes the public root DNS servers (example using Cloudflare servers) to the matching NameServer registry values:
- Windows 8, 8.1, 2012, 10, 2016, 2019, 2022, 11, 2025 + newer users:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Windows 8/newer only:
FOR /F "skip=2 tokens=4*" %%a IN ('NetSh Interface IPv4 Show Interfaces') DO (
CALL :Network_Adapter %%a "%%b"
)
:: PAUSE
EXIT /B
:Network_Adapter
:: %1=State
:: %2=Name (quoted); %~2=Name (unquoted)
IF %1==connected (
:: Run your commands here (example):
ECHO %2
:: Primary (1st, Preferred) public root DNS server (DNS1) [Cloudflare]:
NETSH.EXE interface ipv4 set dnsservers %2 static 1.1.1.1
:: Secondary (2nd, Alternate) public root DNS server (DNS2) [Cloudflare]:
NETSH.EXE interface ipv4 add dnsservers %2 1.0.0.1 index=2
:: In case you wish to reset to Windows original public root DNS servers -> delete double
:: colons + space [:: ] in front of NetSh command below -> run this batch file again:
:: NETSH.EXE int ip reset %2
)
:: PAUSE
EXIT /B
:END
EXIT
```

------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
- Windows 7, 7 SP1 + 2008 R2 users:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Windows 8/newer only:
FOR /F "skip=2 tokens=4*" %%a IN ('NetSh Interface IP Show Interfaces') DO (
CALL :Network_Adapter %%a "%%b"
)
:: PAUSE
EXIT /B
:Network_Adapter
:: %1=State
:: %2=Name (quoted); %~2=Name (unquoted)
IF %1==connected (
:: Run your commands here (example):
ECHO %2
:: Primary (1st, Preferred) public root DNS server (DNS1) [Cloudflare]:
NETSH.EXE interface ip set dnsservers %2 static 1.1.1.1
:: Secondary (2nd, Alternate) public root DNS server (DNS2) [Cloudflare]:
NETSH.EXE interface ip add dnsservers %2 1.0.0.1 index=2
:: In case you wish to reset to Windows original public root DNS servers -> delete double
:: colons + space [:: ] in front of NetSh command below -> run this batch file again:
:: NETSH.EXE int ip reset %2
)
:: PAUSE
EXIT /B
:END
EXIT
------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
To determine your active network interface ID
http://social.technet.microsoft.com/forums/bacc4f3d-54c2-4e99-931c-42a3cea2e67c/
from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator ->
run this command -> press Enter:
WMIC.EXE nicconfig get description,settingid
WMIC.EXE (Windows Management Instrumentation Command) executable is located in the %WinDir%\SYSTEM32\wbem directory/folder
[%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
WMIC (Windows Management Instrumentation Command):
http://learn.microsoft.com/windows/win32/wmisdk/wmic/
MS DOCs: WMIC - Take Command Line Control over WMI:
http://technet.microsoft.com/library/bb742610.aspx
Dedoimedo: WMIC - The Windows secret weapon:
http://www.dedoimedo.com/computers/windows-wmic.html
ComputerHope: WMIC:
http://www.computerhope.com/wmic.htm
Rob van der Woude: WMIC:
http://www.robvanderwoude.com/wmic.php
quux: WMIC Snippets:
http://quux.wiki.zoho.com/WMIC-Snippets.html
SS64: WMIC.EXE:
http://www.ss64.com/nt/wmic.html
Wikipedia: Windows Management Instrumentation (WMI):
http://en.wikipedia.org/wiki/Windows_Management_Instrumentation
Example of output returned by running WMIC.EXE command above (each network adapter has a unique hardware ID, this is a
generic example):
Description                               SettingID
Intel Ethernet Network Adapter I???-T?   {00000000-AAAA-1111-BBBB-222222222222}
Look at the NIC (Network Interface Controller) adapter name [under Description] you are using to connect to your internet
provider -> it is followed [under SettingID] by a Link Directory IDentifier (LDID) corresponding to the LDID from the
registry key below.
Your LDID number is different depending on your network adapter name/model/manufacturer and type of connection.
Generic example of NameServer registry String [REG_SZ] value for Ethernet network connection interface (each network adapter
has a unique hardware ID) using Cloudflare public root DNS servers:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
; Cloudflare public root DNS servers (example):
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\Tcpip\Parameters\Interfaces\{00000000-AAAA-1111-BBBB-222222222222}]
"NameServer"="1.1.1.1,1.0.0.1"
------End cut & paste here------
You need to substitute generic ID above ["00000000-AAAA-1111-BBBB-222222222222"] with your actual Decentralized IDentifier
(DID) (hard link) string which corresponds to your active internet/network connection/interface present in your registry
under the "CurrentControlSet" Hive Key Local Machine (HKLM) subkey above.
```

* Turn ON/enable/customize DoH (DNS over HTTPS) using public root DNS servers from reliable/trusted entities (see links to servers further above and providers further below) in order to prevent privacy, safety + security breaches, dissemination, hacking, intrusions, invasion, leaks, fingerprinting, phishing, malware, spyware, tracking, auditing:
http://developers.cloudflare.com/1.1.1.1/setup/windows/
http://adguard-dns.io/en/public-dns.html
http://www.windowscentral.com/how-change-your-pcs-dns-settings-windows-10/
http://developers.google.com/speed/public-dns/docs/using/
- Windows 8, 8.1, 2012, 10, 2016, 2019, 2022, 11, 2025 + newer users:
~~~~~~
http://support.opendns.com/hc/articles/228006907/
Start menu -> Control Panel -> Network and Sharing Center -> Active Networks -> click item right side of Connections: -> "your Network Connection name" [typical examples]: "Ethernet" (direct broadband modem connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection) -> connection Status -> General tab -> Properties -> scroll down -> select Internet Protocol Version 4 (TCP/IPv4) -> Properties -> General tab -> Use the following DNS server addresses: -> type desired IP addresses (example using Cloudflare public root DNS servers),
http://www.mdgx.com/IPv4_Cloudflare_public_root_DNS_servers.jpg
Cloudflare Preferred (Primary, 1st) DNS Server (DNS1): 1.1.1.1
Cloudflare Alternate (Secondary, 2nd) DNS Server (DNS2): 1.0.0.1
-> select Internet Protocol Version 6 (TCP/IPv6) -> Properties -> General tab -> Use the following DNS server addresses: -> type desired IP addresses (example using Cloudflare public root DNS servers),
http://www.mdgx.com/IPv6_Cloudflare_public_root_DNS_servers.jpg
Cloudflare Preferred (Primary, 1st) DNS Server (DNS1): 2606:4700:4700::1111
Cloudflare Alternate (Secondary, 2nd) DNS Server (DNS2): 2606:4700:4700::1001
Click OK -> click OK -> exit all dialogs/prompts/windows -> restart/reboot.
- Windows 7, 7 SP1 + 2008 R2 users:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
http://www.sevenforums.com/tutorials/12421-local-area-connection-status-create-shortcut.html
Start menu -> Control Panel -> Network and Sharing Center -> View network status and tasks -> View Active networks -> click item right side of Connections: -> "your Network Connection name" [typical examples]: "Ethernet" (direct broadband modem connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection) -> connection Status -> General tab -> Properties -> Connection Properties General tab -> scroll down -> select Internet Protocol Version 4 (TCP/IPv4) -> Properties -> Internet Protocol Version 4 (TCP/IPv4) Properties -> General tab -> scroll down -> select (x) -> Use the following DNS server IP addresses: -> type desired IP addresses (example using Cloudflare public root DNS servers),
http://www.mdgx.com/IPv4_Cloudflare_public_root_DNS_servers.jpg
Cloudflare Preferred (Primary, 1st) DNS Server (DNS1): 1.1.1.1
Cloudflare Alternate (Secondary, 2nd) DNS Server (DNS2): 1.0.0.1
Click OK -> click OK -> exit all dialogs/prompts/windows -> restart/reboot.
- Windows XP + 2003 users:
~~~~~~~~~~~~~~~~~~~~~~~~~
http://www.webnots.com/how-to-change-dns-server-ips-in-windows-xp/
Start menu -> Control Panel -> Network Connections -> select current connection -> "your Network Connection name" [typical examples]: "Ethernet" (direct broadband modem connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection) -> connection Status -> General tab -> Properties -> Connection Properties General tab -> scroll down -> select Internet Protocol (TCP/IP) -> Properties -> Internet Protocol Version (TCP/IP) Properties General tab -> scroll down -> select (x) -> Use the following DNS server IP addresses: -> type desired IP addresses (example using Cloudflare public root DNS servers),
http://www.mdgx.com/IPv4_Cloudflare_public_root_DNS_servers.jpg
Cloudflare Preferred (Primary, 1st) DNS Server (DNS1): 1.1.1.1
Cloudflare Alternate (Secondary, 2nd) DNS Server (DNS2): 1.0.0.1
Click OK -> click OK -> exit all dialogs/prompts/windows -> restart/reboot.
- Optional:
~~~~~~~~~~
Recommended for all Windows XP/newer users:
A. Start menu -> Control Panel -> Network and Sharing Center -> Active Networks -> click item right side of Connections: -> "your Network Connection name" icon/item -> Properties button -> Networking tab -> This connection is using the following items: -> Internet Protocol Version 4 (TCP/IPv4) -> General tab -> Advanced... button -> DNS tab -> DNS server addresses, in order of use: -> Add... x 2 -> Add button x 2 -> type x 2 IP addresses below (example using Cloudflare public root DNS servers):
http://www.mdgx.com/IPv4_Cloudflare_public_root_DNS_servers.jpg
Cloudflare Preferred (Primary, 1st) DNS Server (DNS1): 1.1.1.1
Cloudflare Alternate (Secondary, 2nd) DNS Server (DNS2): 1.0.0.1
-> Apply/OK -> OK.
B. Start menu -> Control Panel -> Network and Sharing Center -> Active Networks -> click item right side of Connections: -> "your Network Connection name" icon/item -> Properties button -> Networking tab -> This connection is using the following items: -> Internet Protocol Version 4 (TCP/IPv4) -> General tab -> Advanced... button -> WINS (Windows Internet Name Service) tab -> check Enable LMHOSTS lookup box -> NetBIOS setting -> check Disable NetBIOS over TCP/IP box -> Apply/OK.
http://www.thewindowsclub.com/wp-content/uploads/2020/11/Disable-NetBIOS-over-TCP-IP.png
See also "Tweaks, Hacks + Fixes... UNconventional, UNdocumented, UNcensored ;-/" chapter -> "* Turn OFF unnecessary, obsolete + unsafe TCP/IP NetBIOS (Network Basic Input/Output System) Helper service [lmhosts]" section in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
- Web Browsers:
~~~~~~~~~~~~~~~
Turn ON DoH (DNS over HTTPS) in your web browser using public root DNS servers:
http://developers.cloudflare.com/1.1.1.1/encryption/dns-over-https/encrypted-dns-browsers/
http://techcountless.com/change-dns-server-in-google-chrome/
http://support.google.com/chrome/answer/10468685/
http://www.tenforums.com/tutorials/145372-how-enable-disable-dns-over-https-doh-google-chrome.html
http://pureinfotech.com/enable-dns-over-https-chrome/
~~~~~~~~~~~~~~~

http://icpmoles.github.io/post/chrome-doh/
Turn ON/enable/customize DoH (DNS over HTTPS) in Chromium/Chrome web browsers & alternatives/derivatives/forks/variants using public root DNS servers from reliable/trusted entities (see links to servers further above and providers further below):
http://chromeenterprise.google/policies/?policy=BuiltInDnsClientEnabled
http://chromeenterprise.google/policies/?policy=DnsOverHttpsMode
http://chromeenterprise.google/policies/?policy=DnsOverHttpsTemplates
http://admx.help/?Category=Chrome&Policy=Google.Policies.Chrome::BuiltInDnsClientEnabled
http://admx.help/?Category=EdgeChromium&Policy=Microsoft.Policies.Edge::DnsOverHttpsMode
http://admx.help/?Category=ChromeOS&Policy=Google.Policies.ChromeOS::DnsOverHttpsTemplates
BEWARE:
****
Edge web browsers collect, spy, surveil, track + send logged on/signed in customers/members/subscribers/users' unique SID (Security IDentifier) + web browser history [URLs (Uniform Resource Locator) = IPs, web addresses] biometrics/data/fingerprint/information/stats, confidential/identifiable/personal/private/privileged preferences, user choices/options/preferences/profile data/settings, to Microsoft + Microsoft 3rd party/affiliated/associated/leased/(sub)contracted/partner/subsidiary cloud/network/internet/remote domains/servers/sites behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/unwanted/without your approval/authorization/consent/knowledge/permission:
http://ieeexplore.ieee.org/document/9374407/
http://winbuzzer.com/2019/07/23/users-raise-privacy-concerns-as-edge-browser-caught-sending-full-urls-and-sid-to-microsoft-xcxwbn/
http://www.scss.tcd.ie/Doug.Leith/pubs/browser_privacy.pdf
http://www.slashgear.com/7-reasons-to-stop-using-microsoft-edge-03701116/
http://www.whatismyip.com/best-browser-for-privacy/
http://www.zdnet.com/article/a-professor-says-edge-is-the-worst-for-privacy-microsoft-isnt-happy/
http://www.laptopmag.com/news/edge-fails-browser-security-rankings-but-microsoft-isnt-buying-it/
http://www.propublica.org/article/microsoft-tech-support-government-cybersecurity-china-doj-treasury/
http://www.theregister.com/2025/07/28/windows_11_is_a_minefield/
RECOMMENDED:
****
Install an independent/3rd party free, open source, safe, secure, uncrippled, unlocked, unrestricted, modern web browser based on Chromium code with enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PRV
-> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Or if you prefer a Firefox based web browser -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
Firefox enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PSF
Change/Set Windows 7 default web browser to Chromium/Chrome or Firefox:
http://www.groovypost.com/howto/change-default-browser-windows-7/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Google\Chrome]
"BuiltInDnsClientEnabled"=dword:1
"DnsOverHttpsMode"="automatic"
"DnsOverHttpsTemplates"="https://dns.google/dns-query{?dns}"
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Google\Chrome\Recommended]
"BuiltInDnsClientEnabled"=dword:1
"DnsOverHttpsMode"="automatic"
"DnsOverHttpsTemplates"="https://dns.google/dns-query{?dns}"
[HKEY_CURRENT_USER\Software\Policies\Google\Chrome]
"BuiltInDnsClientEnabled"=dword:1
"DnsOverHttpsMode"="automatic"
"DnsOverHttpsTemplates"="https://dns.google/dns-query{?dns}"
[HKEY_CURRENT_USER\Software\Policies\Google\Chrome\Recommended]
"BuiltInDnsClientEnabled"=dword:1
"DnsOverHttpsMode"="automatic"
"DnsOverHttpsTemplates"="https://dns.google/dns-query{?dns}"
[HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome]
"BuiltInDnsClientEnabled"=dword:1
"DnsOverHttpsMode"="automatic"
"DnsOverHttpsTemplates"="https://dns.google/dns-query{?dns}"
[HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome\Recommended]
"BuiltInDnsClientEnabled"=dword:1
"DnsOverHttpsMode"="automatic"
"DnsOverHttpsTemplates"="https://dns.google/dns-query{?dns}"
;
```

------End cut & paste here------
- Routers + modem/router combos:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Recommended for all internet/network wired/wireless device/portable router + modem/router combo users to set up static IP address public root DNS servers from reliable/trusted entities/providers/servers (see links to servers further above and providers further below) in order to prevent privacy, safety + security attacks, breaches, dissemination, hacking, intrusion, invasion, leaks, malware, spyware, tracking:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

http://routersecurity.org/
http://routersecurity.org/testrouter.php
http://developers.cloudflare.com/1.1.1.1/setup/router/
http://www.lifewire.com/how-to-2617995/
http://www.tp-link.com/support/faq/1712/
http://www.linksys.com/support-article?articleNum=316999
http://support.surfshark.com/hc/articles/360019705540/
http://blog.cloudflare.com/dns-over-tls-for-openwrt/
In this example I have used a NETGEAR router + Cloudflare public root DNS servers:
http://kb.netgear.com/30510/
Example using IPv4 Cloudflare public root DNS servers:
http://www.mdgx.com/NETGEAR_router_public_root_DNS_servers.jpg
Example using IPv6 Cloudflare public root DNS servers:
http://www.mdgx.com/NETGEAR_router_IPv6_Cloudflare_DNS_servers.jpg
Interface layout, options, settings, wording, etc, and therefore necessary steps vary depending on router or modem/router combo brand/model, operating environment/system, firmware version, etc.
FYI:
I use a NETGEAR Nighthawk X6 R8000-100NAR AC3200 tri-band [5GHz x 2 channels + 2.4GHz x 1 channel] Ethernet + Wi-Fi router:
http://www.mdgx.com/pc.htm#RTR
More info:
http://www.netgear.com/home/wifi/routers/r8000/
Review:
http://www.tomsguide.com/us/netgear-nighthawk-x6-ac3200-r8000,review-2416.html
In this example I'm using my router interface.
Access/execute/launch/open/run/start your (default, favorite, preferred) web browser
http://www.mdgx.com/nettoys.htm#!
-> type your router or modem/router combo built-in/default/pre-assigned/pre-configured/out of the box/preset local [LAN (Local Area Network)]/private/reserved DNS server IP address (URL)
http://www.netspotapp.com/hardware/default-router-password/#What_Is_Your_Router_Login_Name_and_Password
valid for most routers + modem/router combos out there (typical examples)
192.168.1.1
which defaults to
http://192.168.1.1/
OR
192.168.0.1
which defaults to
http://192.168.0.1/
-> press Enter -> type user name [default on many routers is "admin" (no quotes) unless changed by user] + password (if any: recommended to *always* set up a unique, strong password!)
http://www.webroot.com/us/en/resources/tips-articles/how-do-i-create-a-strong-password/
http://www.cisa.gov/secure-our-world/use-strong-passwords/
to log on/sign in into your router or modem/router combo built-in web browser graphical user interface (GUI) (example using a NETGEAR router):
- IPv4:
Basic tab -> Internet -> Domain Name Server (DNS) Address -> check "Use These DNS Servers" box -> type desired IPv4 addresses in the square boxes, but don't type the dots (example using IPv4 Cloudflare public root DNS servers),
http://www.mdgx.com/NETGEAR_router_public_root_DNS_servers.jpg
Cloudflare Preferred (Primary DNS = 1st) DNS Server (DNS1): 1.1.1.1
Cloudflare Alternate (Secondary DNS = 2nd) DNS Server (DNS2): 1.0.0.1
-> Apply/Save changes -> reset/restart router or modem/router combo if needed.
- IPv6:
Advanced tab -> Advanced Setup -> IPv6 -> IPv6 Domain Name Server (DNS) Address -> check "Use These DNS Servers" box -> type desired IPv6 addresses in the square boxes, but don't type the dots (example using IPv6 Cloudflare public root DNS servers),
http://www.mdgx.com/NETGEAR_router_IPv6_Cloudflare_DNS_servers.jpg
Cloudflare Preferred (Primary DNS = 1st) DNS Server (DNS1): 2606:4700:4700::1111
Cloudflare Alternate (Secondary DNS = 2nd) DNS Server (DNS2): 2606:4700:4700::1001
-> Apply/Save changes -> reset/restart router or modem/router combo if needed.

* BUG + FIX:
DNS Client service [DNSCache] caches Domain Name System (DNS) names/hostnames (DNS Cache) which may slow down significantly the processing of a large HOSTS [hosts] file with many IPs (for example my custom HOSTS file contains over 240000 hostname entries) in Windows 7/newer:
http://www.mdgx.com/hosts.php
FIXes:
- Disable Client Side DNS Caching in Windows NTx:
http://learn.microsoft.com/windows-server/networking/dns/troubleshoot/disable-dns-client-side-caching/
- Flush Windows DNS Cache:
http://www.thewindowsclub.com/flush-windows-dns-cache/
See "* FIX: Turn ON network discovery + detection of network(ed) computers + devices in Windows 7/newer:" section futther below in WINDOWS7.TXT (this file)
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
to flush DNS cache using Windows built-in IPConfig [IPCONFIG.EXE] DOS console command line tool.
IPConfig [IPCONFIG.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
- Stop (if already running) + then Restart DNS Client service [DNSCache]:
http://www.computerstepbystep.com/dns_client_service.html
Run these 2 DOS console CoMmanD line BATch (.CMD) files in this order:

1. STOP!DNS.CMD + only after that
2. STARTDNS.CMD.
Both these files are part of MDGx "Win10 Block Tools (10_BLOCK)" ZIP archive:
http://www.mdgx.com/10BLK/10_BLOCK.ZIP
MDGx "Win10 Block Tools (10_BLOCK)" ReadMe Guide -> 10_BLOCK.TXT (included):
http://www.mdgx.com/xptoy.htm#10BLK
http://www.mdgx.com/10BLK/10_BLOCK.php
http://www.mdgx.com/10BLK/10_BLOCK.TXT
Open STARTDNS.CMD + STOP!DNS.CMD (both included) in Notepad for details:
http://www.mdgx.com/10BLK/STARTDNS.CMD.TXT
http://www.mdgx.com/10BLK/STOP!DNS.CMD.TXT
See MDGx "HOSTS Files, Guides + Tools" -> "DNS Client Service" topic:
http://www.mdgx.com/hosts.php#N2
HOSTS [hosts] file is located in the %WinDir%\SYSTEM32\DRIVERS\ETC directory/folder [%WinDir% = usually C:\WINDOWS]:
http://www.mdgx.com/hosts.php#HG

* Determine your router or modem/router combo local/private/reserved IP address(es) in Windows XP/newer:
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command
IPCONFIG.EXE
-> press Enter -> Default Gateway IP address is usually the same or within same pool/range [address space] as your router or router/modem combo IPv4 IP address. Example:
----------snippity-snip----------
Your network adapter connection type/connectoid/interface name:
IPv4 Address. . . . . : 192.168.1.2
Default Gateway . . . . : 192.168.1.1
----------snippity-snip----------
IPConfig [IPCONFIG.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Router + modem/router combo users:
Your router or modem/router combo should already have a built-in/default/pre-assigned/pre-configured/out of the box/preset local [LAN (Local Area Network)]/private/reserved DNS server IP address (URL)
http://www.netspotapp.com/hardware/default-router-password/#What_Is_Your_Router_Login_Name_and_Password
which handles all DNS caching traffic (typical examples):
192.168.1.1
which defaults to
http://192.168.1.1/
OR
192.168.0.1
which defaults to
http://192.168.0.1/
Router or modem/router combo caching DNS server will redirect all queries/requests to active/current built-in/default/pre-assigned/pre-configured/out of the box/preset ISP (Internet Service Provider) connection provider server(s) (if unchanged) or custom (if re-assigned/changed/configured/customized/re-set) public root DNS IPs/server(s) -> see further above available methods how to change step-by-step public root DNS servers for your internet/network connection(s).
Router or modem/router combo static local/private/reserved DNS IP address pool/range [address space] should be selected from outside DHCP (Dynamic Host Configuration Protocol) pool/range [address space] in order to avoid any conflicts with assigned/public/private/reserved/restricted IP address space pools/ranges and most network setups (typical examples):
192.168.1.2 - 192.168.1.9
OR
10.0.0.1 - 10.0.1.1
Full pool/range [address space] of built-in/default/pre-assigned/pre-configured/out of the box/preset local [LAN (Local Area Network)]/private/reserved DNS server IP addresses (URLs):
192.168.0.0 - 192.168.255.255
Wikipedia: Dynamic Host Configuration Protocol (DHCP):
http://en.wikipedia.org/wiki/Dynamic_Host_Configuration_Protocol
Wikipedia: Localhost:
http://en.wikipedia.org/wiki/Localhost
Wikipedia: Local/Private/Reserved IP pools/ranges:
http://en.wikipedia.org/wiki/Private_network

* Block a list of abusive, annoying, dangerous, dubious, harmful, inappropriate, invasive, offensive, spying, suspicious, tracking, unauthorized, unneeded, untrustworthy, unwanted domains/sites/URLs using your router or modem/router combo interface, as many of them include such capability.
Look up your router or modem/router combo manual, documentation, guidelines, ReadMe files, online help/support, wiki, etc to find out if it does have this feature (examples):
http://www.wikihow.com/Block-Unwanted-Site-From-Your-Router
http://canopy.us/blog/how-to-block-websites-on-router/
http://swiftnetwifi.com/blogs/news/how-to-block-websites-on-router/
NETGEAR routers + modem/router combos:
http://kb.netgear.com/24053/
TP-Link routers + modem/router combos:
http://www.tp-link.com/support/faq/1387/
ßUG:
****
Unfortunately some routers + modem/router combos brands + models canNOT block/deny/disallow/stop HTTPS domains/servers/sites/URLs using this method!

More info:
http://community.netgear.com/discussions/home-cable-modems-routers/block-sites/2204363/
http://community.netgear.com/discussions/en-home-routers-nighthawk-wifi-ax6/block-web-sites-not-working-on-https-sites----im-returning-my-netgear-ax11000/2324363/
Wikipedia: Hypertext Transfer Protocol Secure (HTTPS):
http://en.wikipedia.org/wiki/HTTPS
FIX:
****
In addition to [or instead of] this method use a free encrypted + secure [HTTPS enabled] public root DNS server -> see dedicated topics further above.
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
In order to improve privacy, safety + security it is recommended to use a VPN provider/server/service with encrypted traffic. Examples:
- MDGx: "Best Free VPN/Proxy Extensions for Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNC
- MDGx: "Best Free VPN/Proxy Add-ons for Firefox [+ alternatives/derivatives/forks/variants] web browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNF
Even nowadays not everybody is using HTTPS (not yet, anyway), so just to be safe it's worth setting up your router or modem/router combo [if it does support this feature] to block a list of known malicious, spying, tracking, inappropriate, undesired, etc domains/servers/sites/URLs.
FYI:
****
Interface layout, options, settings, wording, etc, and therefore necessary steps vary depending on router or modem/router combo brand/model, operating environment/system, firmware version, etc.
I use a NETGEAR Nighthawk X6 R8000-100NAR AC3200 tri-band [5GHz x 2 channels + 2.4GHz x 1 channel] Ethernet + Wi-Fi router:
http://www.mdgx.com/pc.htm#RTR
More info:
http://www.netgear.com/home/wifi/routers/r8000/
Review:
http://www.tomsguide.com/us/netgear-nighthawk-x6-ac3200-r8000,review-2416.html
In this example I'm using my router interface.
http://www.mdgx.com/NETGEAR_router_Block_Sites.jpg
Step-by-step:
****
Access/execute/launch/open/run/start your (default, favorite, preferred) web browser
http://www.mdgx.com/nettoys.htm#!
-> type your router or modem/router combo built-in/default/pre-assigned/pre-configured/out of the box/preset local [LAN (Local Area Network)]/private/reserved DNS server IP address (URL)
http://www.netspotapp.com/hardware/default-router-password/#What_Is_Your_Router_Login_Name_and_Password
valid for most routers + modem/router combos out there (typical examples)
192.168.1.1
which defaults to
http://192.168.1.1/
OR
192.168.0.1
which defaults to
http://192.168.0.1/
-> press Enter -> type user name [default on many routers is "admin" (no quotes) unless changed by user] + password (if any: recommended to *always* set up a unique, strong password!)
http://www.webroot.com/us/en/resources/tips-articles/how-do-i-create-a-strong-password/
http://www.cisa.gov/secure-our-world/use-strong-passwords/
to log on/sign in into your router or modem/router combo built-in web browser graphical user interface (GUI) (example using NETGEAR router mentioned above):
Click "Advanced" tab -> click "Block Sites" left side drop down menu -> paste/type below "Type keyword or domain name here:"
[unfortunately 1 @ a time ;-(] [examples of most common + frequently encountered Google (Alphabet) ad(vertisement)s/adware, analytics, auditing, collection/logging, fingerprinting, (geo)location detection, profiling, snooping, spying/spyware, surveillance, telemetry, tracking/trackware sites dedicated to a single purpose -> maximizing financial profit by any means: advertisement, commercialization, marketing, monetizing, promo(tion), sales through methods/strategies detrimental to confidential/personal/privileged data/information/stats critical/essential/vital for protecting human privacy, safety + security, even if some of their methods/strategies have been banned/forbidden/outlawed in certain countries/federations/nations/sovereignties/regions/states/territories/unions]:
https://adgoogle.net
https://ads.google.com
https://adservice.google.com
https://adsettings.google.com
https://adssettings.google.com
https://adtrafficquality.google
https://adwords.google.com
https://analytics-api-samples.googlecode.com
https://analytics.googleapis.com
https://analyticsadmin.googleapis.com
https://analyticsdata.googleapis.com
https://analyticshub.googleapis.com
https://analyticsinsights-pa.clients6.google.com
https://analyticsinsights-pa.googleapis.com
https://analyticsmobile-pa.googleapis.com
https://analyticsreporting.googleapis.com
https://analyticssearch-pa.googleapis.com
https://analyticssuitefrontend-pa.clients6.google.com
https://analyticssuitefrontend-pa.googleapis.com

https://click.google-analytics.com
https://clickserver.googleads.com
https://consent-analytics.googleapis.com
https://consent-analyticsinsights-pa.googleapis.com
https://containeranalysis.googleapis.com
https://content-analyticsadmin.googleapis.com
https://content-analyticsdata.googleapis.com
https://content-analyticsreporting.googleapis.com
https://doubleclick.com
https://doubleclick.net
https://doubleclickbygoogle.com
https://doubleclicksearch.com
https://doubleclickusercontent.com
https://google-analytics.com
https://googleads.com
https://googleads.g.doubleclick.net
https://googleads.googleapis.com
https://googleadservices.com
https://googleanalytics.com
https://googledoubleclick.net
https://googlehosted.com
https://googleoptimize.com
https://googlesyndication.com
https://googletagmanager.com
https://googletagservices.com
https://mail-ads.google.com
https://marketingplatform.google.com
https://marketingplatformadmin.googleapis.com
https://ogads-pa.clients6.google.com
https://ogads-pa.googleapis.com
https://tagmanager.google.com
https://www.adgoogle.net
https://www.ads.google.com
https://www.adservice.google.com
https://www.adsettings.google.com
https://www.adssettings.google.com
https://www.adtrafficquality.google
https://www.adwords.google.com
https://www.analytics-api-samples.googlecode.com
https://www.analytics.googleapis.com
https://www.analyticsadmin.googleapis.com
https://www.analyticsdata.googleapis.com
https://www.analyticshub.googleapis.com
https://www.analyticsinsights-pa.clients6.google.com
https://www.analyticsinsights-pa.googleapis.com
https://www.analyticsmobile-pa.googleapis.com
https://www.analyticsreporting.googleapis.com
https://www.analyticssearch-pa.googleapis.com
https://www.analyticssuitefrontend-pa.clients6.google.com
https://www.analyticssuitefrontend-pa.googleapis.com
https://www.click.google-analytics.com
https://www.clickserver.googleads.com
https://www.consent-analytics.googleapis.com
https://www.consent-analyticsinsights-pa.googleapis.com
https://www.containeranalysis.googleapis.com
https://www.content-analyticsadmin.googleapis.com
https://www.content-analyticsdata.googleapis.com
https://www.content-analyticsreporting.googleapis.com
https://www.doubleclick.com
https://www.doubleclick.net
https://www.doubleclickbygoogle.com
https://www.doubleclicksearch.com
https://www.doubleclickusercontent.com
https://www.google-analytics.com
https://www.googleads.com
https://www.googleads.g.doubleclick.net
https://www.googleads.googleapis.com
https://www.googleadservices.com
https://www.googleanalytics.com
https://www.googledoubleclick.net
https://www.googlehosted.com
https://www.googleoptimize.com
https://www.googlesyndication.com
https://www.googletagmanager.com
https://www.googletagservices.com
https://www.mail-ads.google.com
https://www.marketingplatform.google.com
https://www.marketingplatformadmin.googleapis.com
https://www.ogads-pa.clients6.google.com
https://www.ogads-pa.googleapis.com
https://www.tagmanager.google.com
https://www.youtubeanalytics.googleapis.com

https://youtubeanalytics.googleapis.com
adgoogle.net
ads.google.com
adservice.google.com
adsettings.google.com
adssettings.google.com
adtrafficquality.google
adwords.google.com
analytics-api-samples.googlecode.com
analytics.googleapis.com
analyticsadmin.googleapis.com
analyticsdata.googleapis.com
analyticshub.googleapis.com
analyticsinsights-pa.clients6.google.com
analyticsinsights-pa.googleapis.com
analyticsmobile-pa.googleapis.com
analyticsreporting.googleapis.com
analyticssearch-pa.googleapis.com
analyticssuitefrontend-pa.clients6.google.com
analyticssuitefrontend-pa.googleapis.com
click.google-analytics.com
clickserver.googleads.com
consent-analytics.googleapis.com
consent-analyticsinsights-pa.googleapis.com
containeranalysis.googleapis.com
content-analyticsadmin.googleapis.com
content-analyticsdata.googleapis.com
content-analyticsreporting.googleapis.com
doubleclick.com
doubleclick.net
doubleclickbygoogle.com
doubleclicksearch.com
doubleclickusercontent.com
google-analytics.com
googleads.com
googleads.g.doubleclick.net
googleads.googleapis.com
googleadservices.com
googleanalytics.com
googledoubleclick.net
googlehosted.com
googleoptimize.com
googlesyndication.com
googletagmanager.com
googletagservices.com
mail-ads.google.com
marketingplatform.google.com
marketingplatformadmin.googleapis.com
ogads-pa.clients6.google.com
ogads-pa.googleapis.com
tagmanager.google.com
www.adgoogle.net
www.ads.google.com
www.adservice.google.com
www.adsettings.google.com
www.adssettings.google.com
www.adtrafficquality.google
www.adwords.google.com
www.analytics-api-samples.googlecode.com
www.analytics.googleapis.com
www.analyticsadmin.googleapis.com
www.analyticsdata.googleapis.com
www.analyticshub.googleapis.com
www.analyticsinsights-pa.clients6.google.com
www.analyticsinsights-pa.googleapis.com
www.analyticsmobile-pa.googleapis.com
www.analyticsreporting.googleapis.com
www.analyticssearch-pa.googleapis.com
www.analyticssuitefrontend-pa.clients6.google.com
www.analyticssuitefrontend-pa.googleapis.com
www.click.google-analytics.com
www.clickserver.googleads.com
www.consent-analytics.googleapis.com
www.consent-analyticsinsights-pa.googleapis.com
www.containeranalysis.googleapis.com
www.content-analyticsadmin.googleapis.com
www.content-analyticsdata.googleapis.com
www.content-analyticsreporting.googleapis.com
www.doubleclick.com
www.doubleclick.net
www.doubleclickbygoogle.com
www.doubleclicksearch.com

www.doubleclickusercontent.com
www.google-analytics.com
www.googleads.com
www.googleads.g.doubleclick.net
www.googleads.googleapis.com
www.googleadservices.com
www.googleanalytics.com
www.googledoubleclick.net
www.googlehosted.com
www.googleoptimize.com
www.googlesyndication.com
www.googletagmanager.com
www.googletagservices.com
www.mail-ads.google.com
www.marketingplatform.google.com
www.marketingplatformadmin.googleapis.com
www.ogads-pa.clients6.google.com
www.ogads-pa.googleapis.com
www.tagmanager.google.com
www.youtubeanalytics.googleapis.com
youtubeanalytics.googleapis.com
-> click "Add keyword" button after each line/row/string of text above -> after you have entered the last line/row/string click "Apply" button at the top to save changes -> if prompted click "Reboot", "Reset" or "Restart" button to reboot/reset/restart your router or modem/router combo in order for all these changes to take effect.
FYI:
Listings of all Google (Alphabet) domains/servers/URLs [over 6800 total!]:
http://github.com/nickspaargaren/no-google/
http://github.com/nickspaargaren/no-google/blob/master/google-domains/
Listings of all Google (Alphabet) domains/servers/URLs dedicated to ad(vertisement)s/adware, analytics, auditing, collection/logging, fingerprinting, (geo)location detection, profiling, snooping, syping/spyware, surveillance, telemetry, tracking/trackware [3 categories: analytics, doubleclick + 3rd party]:
https://raw.githubusercontent.com/nickspaargaren/no-google/master/categories/analyticsparsed
https://github.com/nickspaargaren/no-google/blob/master/categories/analytics.txt
https://github.com/nickspaargaren/no-google/blob/master/categories/doubleclickparsed
https://github.com/nickspaargaren/no-google/blob/master/categories/doubleclick.txt
https://github.com/nickspaargaren/no-google/blob/master/categories/thirdpartyparsed
https://github.com/nickspaargaren/no-google/blob/master/categories/thirdparty.txt

* Upgrade compatible/supported/upgradeable internet/network wired/wireless router or modem/router combo built-in/default/factory firmware to DD-WRT or OpenWRT firmware + enable/turn ON DNS over HTTPS (HyperText Transfer Protocol Secure) (DoH) or DNS over TLS (Transport Layer Security) (DoT) security features on most basic/cheaper/older routers + modem/router combos that do not have those features accessible/available out-of-the-box (example using Cisco/Linksys WRT54G2 router):
http://blogs.gurulabs.com/mike/2009/03/upgrading-a-cisco-linksys-wrt5.html
http://www.andryou.com/2020/04/23/guide-enabling-dns-over-tls-on-an-openwrt-router/
http://www.privacyguides.org/en/router/
WRT54G2 Set up web server behind router:
http://sanzon.wordpress.com/2008/04/04/setting-up-web-server-behind-router-wrt54g2/
WRT54G2 Static IP config and reconfig:
http://sanzon.wordpress.com/2008/04/09/wrt54g2-static-ip-configuration-and-reconfiguring-router/
WRT54G2 Assign Static IP(s):
http://www.superuser.com/questions/8574/
DD-WRT:
http://dd-wrt.com/
DD-WRT Supported Devices, Routers, Modem/Router Combos:
http://wiki.dd-wrt.com/wiki/index.php/Supported_Devices
DD-WRT Online DOCumentation:
http://dd-wrt.com/support/documentation/
Wikipedia: DD-WRT:
http://en.wikipedia.org/wiki/DD-WRT
OpenWRT:
http://openwrt.org/
OpenWRT Supported Devices, Routers, Modem/Router Combos:
http://openwrt.org/supported_devices
OpenWRT Online DOCumentation:
http://openwrt.org/docs/
Wikipedia: OpenWRT:
http://en.wikipedia.org/wiki/OpenWrt
CAUTION:
****
NEVER turn OFF power OR RESET router or modem/router combo UNTIL firmware update process COMPLETED successfully!

* Setup a free, secure proxy [using ProxyNova proxy script URL + proxy server IP address as example] to be used system wide, optionally for all available/installed/registered/used protocols [HTTP, HTTPS, FTP, SOCKS, etc] in Windows 7/newer:
Method # 1:
****
Hold WinKey + press R to open the "Run..." box interface -> inside the "Open:" text box paste/type this command
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,4
to access/execute/launch/open/run/start Internet Options (Properties) [inetcpl.cpl] Control Panel (CP) applet -> click "Connections" tab -> click "LAN settings" button -> check "Use automatic configuration script" box -> inside the "Address" text box paste/type this URL (example)
https://pac.proxynova.com

-> click OK button -> click OK/Apply button.
Inetcpl.cpl, RUNDLL32.EXE + SHELL32.DLL are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
In this example I have used the free ProxyNova proxy script [proxy.pac]:
https://pac.proxynova.com
FYI:
ProxyNova: Free Proxy Setup Guide:
http://www.proxynova.com/proxy-articles/free-proxy/
Method # 2:
****
Create a new registry script file (.reg) (example) + run (register) it:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\iphlpsvc\Parameters\ProxyMgr\{4AE18409-E3BF-4016-ABC0-17394CF59CCF}]
"StaticProxy"="172.233.182.154:51517"
; "StaticProxy"="http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NlaSvc\Parameters\Internet\ManualProxies]
@="1172.233.182.154:51517"
; @="1http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\iphlpsvc\Parameters\ProxyMgr\{4AE18409-E3BF-4016-ABC0-17394CF59CCF}]
"StaticProxy"="172.233.182.154:51517"
; "StaticProxy"="http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NlaSvc\Parameters\Internet\ManualProxies]
@="1172.233.182.154:51517"
; @="1http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\iphlpsvc\Parameters\ProxyMgr\{4AE18409-E3BF-4016-ABC0-17394CF59CCF}]
"StaticProxy"="172.233.182.154:51517"
; "StaticProxy"="http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NlaSvc\Parameters\Internet\ManualProxies]
@="1172.233.182.154:51517"
; @="1http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet Settings]
"PrivacyAdvanced"=dword:1
"ProxyServer"="172.233.182.154:51517"
; "ProxyServer"="http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Internet Settings]
"PrivacyAdvanced"=dword:1
"ProxyServer"="172.233.182.154:51517"
; "ProxyServer"="http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Internet Settings]
"PrivacyAdvanced"=dword:1
"ProxyServer"="172.233.182.154:51517"
; "ProxyServer"="http=172.233.182.154:51517;https=172.233.182.154:51517;ftp=172.233.182.154:51517"
;
```

------End cut & paste here------
Method # 3:
****
Hold WinKey + press R to open the "Run..." box interface -> inside the "Open:" text box paste/type this command
RUNDLL32.EXE SHELL32.DLL,Control_RunDLL inetcpl.cpl,,4
to access/execute/launch/open/run/start Internet Options (Properties) [inetcpl.cpl] Control Panel (CP) applet -> click "Connections" tab -> click "LAN settings" button -> check "Use a proxy server for your LAN (These settings will NOT apply to dial-up or VPN connections)" box -> click "Advanced" button -> paste/type this IP address + its port # (example) in correspondent text boxes:

Type	Proxy address to use	Port
HTTP:	172.233.182.154	51517
Secure:	172.233.182.154	51517
FTP:	172.233.182.154	51517

-> optional: check "Use the same proxy server for all protcols" box -> click OK button -> click OK button -> click OK/Apply button.
Inetcpl.cpl, RUNDLL32.EXE + SHELL32.DLL are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
In this example I have used the free proxy server IP address [located in the USA] + port #
172.233.182.154:51517
extracted from the free ProxyNova proxy script file [proxy.pac]:
https://pac.proxynova.com
FYI:
- ProxyNova: Free Proxy Setup Guide:
http://www.proxynova.com/proxy-articles/free-proxy/
- See "* Free public proxy IPs/providers/servers with good/high anonymity, decent/full bandwidth/traffic speed + no data/traffic cap/limit:" section further above.

* Recommended to replace built-in/default/pre-installed Windows 7/newer Microsoft [MSFT] IPv4 + IPv6 DNS servers [*.msftncsi.com] with an encrypted, free, secure alternative [used primary Clouflare WARP IPv4 + IPv6 DNS servers in this example -> see further below for details] in Windows 7/newer:
Create a new registry script file (.reg) (example) + run (register) it:

TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NlaSvc\Parameters\Internet]
"ActiveWebProbePathV6"=""
"ActiveWebProbePath"=""
"ActiveDnsProbeHost"="one.one.one.one"
"EnableActiveProbing"=dword:1
"PassivePollPeriod"=dword:f
"ActiveWebProbeContentV6"="Cloudflare DNS"
"ActiveDnsProbeContentV6"="2606:4700:4700::1111"
"ActiveWebProbeContent"="Cloudflare DNS"
"ActiveDnsProbeContent"="1.1.1.1"
"ActiveWebProbeHost"="one.one.one.one/dns"
"StaleThreshold"=dword:1e
"ActiveWebProbeHostV6"="one.one.one.one/dns"
"WebTimeout"=dword:23
"ActiveDnsProbeHostV6"="one.one.one.one"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NlaSvc\Parameters\Internet]
"ActiveWebProbePathV6"=""
"ActiveWebProbePath"=""
"ActiveDnsProbeHost"="one.one.one.one"
"EnableActiveProbing"=dword:1
"PassivePollPeriod"=dword:f
"ActiveWebProbeContentV6"="Cloudflare DNS"
"ActiveDnsProbeContentV6"="2606:4700:4700::1111"
"ActiveWebProbeContent"="Cloudflare DNS"
"ActiveDnsProbeContent"="1.1.1.1"
"ActiveWebProbeHost"="one.one.one.one/dns"
"StaleThreshold"=dword:1e
"ActiveWebProbeHostV6"="one.one.one.one/dns"
"WebTimeout"=dword:23
"ActiveDnsProbeHostV6"="one.one.one.one"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NlaSvc\Parameters\Internet]
"ActiveWebProbePathV6"=""
"ActiveWebProbePath"=""
"ActiveDnsProbeHost"="one.one.one.one"
"EnableActiveProbing"=dword:1
"PassivePollPeriod"=dword:f
"ActiveWebProbeContentV6"="Cloudflare DNS"
"ActiveDnsProbeContentV6"="2606:4700:4700::1111"
"ActiveWebProbeContent"="Cloudflare DNS"
"ActiveDnsProbeContent"="1.1.1.1"
"ActiveWebProbeHost"="one.one.one.one/dns"
"StaleThreshold"=dword:1e
"ActiveWebProbeHostV6"="one.one.one.one/dns"
"WebTimeout"=dword:23
"ActiveDnsProbeHostV6"="one.one.one.one"
;
------End cut & paste here------
```

FYI:
These are the original built-in/default/pre-installed Microsoft MSFT DNS server Windows registry keys + values saved as plain text registry file (.reg) [as backup in case you want to restore them]:

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NlaSvc\Parameters\Internet]
"ActiveWebProbePathV6"="ncsi.txt"
"ActiveWebProbePath"="ncsi.txt"
"ActiveDnsProbeHost"="dns.msftncsi.com"
"EnableActiveProbing"=dword:1
"PassivePollPeriod"=dword:f
"ActiveWebProbeContentV6"="Microsoft NCSI"
"ActiveDnsProbeContentV6"="fd3e:4f5a:5b81::1"
"ActiveWebProbeContent"="Microsoft NCSI"
"ActiveDnsProbeContent"="131.107.255.255"
"ActiveWebProbeHost"="www.msftncsi.com"
"StaleThreshold"=dword:1e
"ActiveWebProbeHostV6"="ipv6.msftncsi.com"
"WebTimeout"=dword:23
"ActiveDnsProbeHostV6"="dns.msftncsi.com"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NlaSvc\Parameters\Internet]
"ActiveWebProbePathV6"="ncsi.txt"
"ActiveWebProbePath"="ncsi.txt"
"ActiveDnsProbeHost"="dns.msftncsi.com"
"EnableActiveProbing"=dword:1
"PassivePollPeriod"=dword:f
"ActiveWebProbeContentV6"="Microsoft NCSI"
```

"ActiveDnsProbeContentV6"="fd3e:4f5a:5b81::1"
"ActiveWebProbeContent"="Microsoft NCSI"
"ActiveDnsProbeContent"="131.107.255.255"
"ActiveWebProbeHost"="www.msftncsi.com"
"StaleThreshold"=dword:1e
"ActiveWebProbeHostV6"="ipv6.msftncsi.com"
"WebTimeout"=dword:23
"ActiveDnsProbeHostV6"="dns.msftncsi.com"
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NlaSvc\Parameters\Internet]
"ActiveWebProbePathV6"="ncsi.txt"
"ActiveWebProbePath"="ncsi.txt"
"ActiveDnsProbeHost"="dns.msftncsi.com"
"EnableActiveProbing"=dword:1
"PassivePollPeriod"=dword:f
"ActiveWebProbeContentV6"="Microsoft NCSI"
"ActiveDnsProbeContentV6"="fd3e:4f5a:5b81::1"
"ActiveWebProbeContent"="Microsoft NCSI"
"ActiveDnsProbeContent"="131.107.255.255"
"ActiveWebProbeHost"="www.msftncsi.com"
"StaleThreshold"=dword:1e
"ActiveWebProbeHostV6"="ipv6.msftncsi.com"
"WebTimeout"=dword:23
"ActiveDnsProbeHostV6"="dns.msftncsi.com"
;
------End cut & paste here------

@ Best free secure public root DNS IPs/providers/servers [with support for standard encryption + security protocols]:
****
NOTE:
*****
I have selected these examples + made this classification based on trustworthy online analyses + reviews [see top of this chapter], personal experience, testing + preferences.

* Cloudflare secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS) = these DNS servers block/filter/blacklist/protect against malicious + suspicious content, malware, phishing, spyware [Blacklisters/Blockers/Filters]:
http://developers.cloudflare.com/1.1.1.1/
http://www.cloudflare.com/learning/dns/what-is-1.1.1.1/
http://www.cloudflare.com/learning/dns/dns-over-tls/
http://www.cloudflare.com/learning/access-management/what-is-dns-filtering/
Verify to make sure you're using Cloudflare public root DNS servers after setup:
http://one.one.one.one/help/
- Cloudflare Security = these DNS servers block/filter/blacklist/protect against malicious + suspicious content, phishing, spyware + use extensive dedicated malware database [Blacklisters/Blockers/Filters]:
IPv4 servers:
1.1.1.2
1.0.0.2
IPv6 servers:
2606:4700:4700::1112
2606:4700:4700::1002
More info:
http://dnscrypt.info/public-servers/
- Cloudflare Family = these DNS servers block/filter/blacklist/protect against generic malicious + suspicious content, malware, phishing, spyware + parental control [Blacklisters/Blockers/Filters]:
IPv4 servers:
1.1.1.3
1.0.0.3
IPv6 servers:
2606:4700:4700::1113
2606:4700:4700::1003
More info:
http://dnscrypt.info/public-servers/
- Cloudflare WARP [anycast, default] = these DNS servers block/filter/blacklist/protect against generic malicious + suspicious content, malware, phishing, spyware [Blacklisters/Blockers/Filters]:
IPv4 servers:
1.1.1.1
1.0.0.1
104.16.132.229
IPv6 servers:
2606:4700:4700::1111
2606:4700:4700::1001
More info:
http://blog.cloudflare.com/warp-for-desktop/
http://www.publicdns.xyz/public/cloudflare.html
http://dnscrypt.info/public-servers/
Logging + Privacy Policy:
http://developers.cloudflare.com/1.1.1.1/privacy/public-dns-resolver/
See "* Automate Windows XP/newer customization of NameServer registry String [REG_SZ] values" topic further above for step-by-step guidelines to configure your current/active internet/network/private/wi-fi connection(s) in order to use Cloudflare public root DNS servers.
RECOMMENDED:
****

Cellular/mobile device/pad/phone/tablet users: make sure you are using an encrypted, secure DNS server [best example]:
- Android (Google):
http://www.zdnet.com/article/how-to-turn-on-androids-private-dns-mode-and-why-you-should-asap/
Cloudflare WARP 1.1.1.1 [1x4] app for Android [Cloudflare secure DNS server]
http://play.google.com/store/apps/details?id=com.cloudflare.onedotonedotonedotone
- iOS (Apple):
http://developers.cloudflare.com/1.1.1.1/setup/ios/
Cloudflare WARP 1.1.1.1 [1x4] app for iOS [Cloudflare secure DNS server]
http://apps.apple.com/app/id1423538627/
Cloudflare WARP 1.1.1.1 [1x4] is free, but has ADS, PROMOS + IN-APP PURCHASES!

* AdGuard secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS), DoT (DNS over TLS), DNSCrypt + DNS over QUIC (DoQ):
http://adguard-dns.io/kb/public-dns/overview/
Go to Our server addresses [see above] -> Plain DNS -> Default servers [with different levels of protection depending on specific DNS servers]:
http://adguard-dns.io/en/public-dns.html
En Garde! [Be Warned!]:
****
AdGuard free blockers/filters/protectors DNS servers are limited to maximum 300000 queries/month, after which they automatically downgrade to plain, UNblocking/UNfiltered/UNprotected DNS servers!
- Blockers [default] = these DNS servers block/filter/blacklist/protect against ad(vertisement)s, spyware + trackers [Blacklisters/Blockers/Filters]:
IPv4 servers:
94.140.14.14
94.140.15.15
IPv6 servers:
2a10:50c0::ad1:ff
2a10:50c0::ad2:ff
- Plain = these DNS servers do NOT block/filter/blacklist/protect against ad(vertisement)s, spyware, trackers, or any other DNS requests [UNblocked/UNfiltered/UNprotected]:
IPv4 servers:
94.140.14.140
94.140.14.141
IPv6 servers:
2a10:50c0::1:ff
2a10:50c0::2:ff
- Family protectors = these DNS servers block/filter/blacklist/protect against ad(vertisement)s, spyware, trackers, adult/inappropriate content, and enable Safe Search + Safe Mode (where possible) [Blacklisters/Blockers/Filters]:
IPv4 servers:
94.140.14.15
94.140.15.16
IPv6 servers:
2a10:50c0::bad1:ff
2a10:50c0::bad2:ff
AdGuard DNS Filters:
http://github.com/AdguardTeam/AdGuardDNS/
More info:
http://adguard-dns.io/en/welcome.html
Logging + Privacy Policy:
http://adguard.com/privacy/dns.html

* OpenDNS (Cisco/Umbrella) secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS) [with different levels of protection depending on specific DNS servers]:
http://www.opendns.com/setupguide/
http://umbrella.cisco.com/blog/enhancing-support-dns-encryption-with-dns-over-https/
Verify to make sure you're using OpenDNS (Cisco) public root DNS servers after setup:
http://welcome.opendns.com/
- Umbrella/OpenDNS [default] = these DNS servers block/filter/blacklist/protect against malicious + suspicious content, malware, phishing, spyware [Blacklisters/Blockers/Filters]:
IPv4 servers:
208.67.222.222
208.67.220.220
208.67.220.222
208.67.222.220
IPv6 servers:
2620:119:35::35
2620:119:53::53
2620:0:ccc::2
2620:0:ccd::2
- FamilyShield = these DNS servers block/filter/blacklist/protect against malicious + suspicious content, malware, phishing, spyware + adult/inappropriate content [Blacklisters/Blockers/Filters]:
IPv4 servers:
208.67.222.123
208.67.220.123
IPv6 servers:
2620:119:35::123
2620:119:53::123
Install Guide:
https://web.archive.org/web/20241109095022/https://use.opendns.com/
http://securitydocs.cisco.com/docs/umbrella-dns/olh/146422.dita
http://www.publicdns.xyz/public/opendns.html

* AhaDNS secure public root DNS servers with 0 [zero] logging support encryption protocols for DoH (DNS over HTTPS) [port 443], DoT (DNS over TLS) [port 853] + DNSSEC using encryption [DNSCrypt]:
http://ahadns.com/dns-over-https/
http://ahadns.com/dns-over-tls/
IPv4 servers:
5.2.75.75
45.67.219.208
IPv6 servers:
2a04:52c0:101:75::75
2a04:bdc7:100:70::70
AhaDNS public root DNS servers block/filter/blacklist/protect against ad(vertisement)s, malware, ransomware, telemetry, trackers, viruses:
http://ahadns.com/faq/

* NextDNS secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.techlockdown.com/blog/nextdns-setup/
IPv4 servers:
- Primary:
45.90.28.190
45.90.28.232
- Secondary:
45.90.30.190
45.90.30.232
IPv6 servers:
2a07:a8c0::
2a07:a8c1::
NextDNS public root DNS servers block + filter ad(vertisement)s, malware, phishing, trackers + adult/inappropriate content [with different levels of protection depending on specific DNS servers]:
http://help.nextdns.io/t/y4y3pz1/
http://tailscale.com/kb/1218/nextdns/
http://help.nextdns.io/t/y4hdbxa/
http://help.nextdns.io/t/h7yy7hy/
En Garde! [Be Warned!]:
****
NextDNS free blockers/filters/protectors DNS servers are limited to maximum 300000 queries/month, after which they automatically downgrade to plain, UNblocking/UNfiltered/UNprotected DNS servers!
http://nextdns.io/pricing/
http://help.nextdns.io/t/p8hmvaw/
Logging + Privacy Policy:
http://nextdns.io/privacy/

* Google public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS) [UNblocked/UNfiltered/UNprotected]:
http://developers.google.com/speed/public-dns/docs/using/
IPv4 servers:
8.8.8.8
8.8.4.4
IPv6 servers:
2001:4860:4860::8888
2001:4860:4860::8844
Install Guide:
http://developers.google.com/speed/public-dns/docs/using/
IP addresses used by Google:
http://www.lifewire.com/what-is-818153/
http://www.publicdns.xyz/public/google.html

* OpenNIC secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS) [UNblocked/UNfiltered/UNprotected]:
http://www.opennic.org/
IPv4 servers:
52.173.73.208
45.56.117.118
IPv6 servers:
2a05:dfc7:5::53
2a05:dfc7:5353::53
OpenNIC public root DNS servers:
http://servers.opennicproject.org/
http://www.publicdns.xyz/public/opennic.html

* Quad9 secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.quad9.net/faq/
IPv4 servers:
9.9.9.9
149.112.112.112
IPv6 servers:
2620:fe::fe
2620:fe::9
http://www.publicdns.xyz/public/quad9.html
Logging + Privacy Policy:
http://www.quad9.net/privacy/policy/

* Level3 (CenturyLink) secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.dnsserverlist.org/
IPv4 servers:
4.2.2.1
4.2.2.2
4.2.2.3
4.2.2.4
4.2.2.5
4.2.2.6
Level3 (CenturyLink) alternate public root DNS servers:
IPv4 servers:
209.244.0.3
209.244.0.4
http://www.publicdns.xyz/public/level3.html

* CenturyLink secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.centurylink.com/home/help/internet/dns.html
IPv4 servers:
205.171.3.26
205.171.2.26

* CleanBrowsing secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://cleanbrowsing.org/filters/
IPv4 servers:
185.228.168.9
185.228.168.10

* SafeDNS secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.safedns.com/en/guides/win7/
IPv4 servers:
195.46.39.39
195.46.39.40
http://www.publicdns.xyz/public/safedns.html

* Comodo secure DNS public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.comodo.com/secure-dns/
IPv4 servers:
8.26.56.26
8.20.247.20
http://www.publicdns.xyz/public/comodo-secure.html

* Advantage DNS (UltraDNS) secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.neustar.biz/security/dns-services
IPv4 servers:
156.154.70.1
156.154.71.1

* Verisign secure public root DNS servers support encryption protocols for DoH (DNS over HTTPS) + DoT (DNS over TLS):
http://www.verisign.com/en_US/security-services/public-dns/
IPv4 servers:
64.6.64.6
64.6.65.6
IPv6 servers:
2620:74:1b::1:1
2620:74:1c::2:2
http://www.publicdns.xyz/public/verisign.html

Free(ware) secure Domain Name System (DNS), DNS over HTTPS (DoH), DNS over TLS (DoT), Transport Layer Security (TLS), HyperText Transfer Protocol Secure (HTTPS) + proxy IPs/providers/servers services + tools:

* Cloudflare WARP Desktop client 64-bit for Windows 8.1/newer 64-bit (x64) [free Virtual Private Network (VPN) using secure public root Domain Name System (DNS) servers]:
http://developers.cloudflare.com/warp-client/
Download:
http://one.one.one.one/
Cloudflare WARP for Windows:
http://developers.cloudflare.com/warp-client/get-started/windows/
Cloudflare WARP for Linux:
http://developers.cloudflare.com/warp-client/get-started/linux/
Cloudflare WARP for macOS:
http://developers.cloudflare.com/warp-client/get-started/macos/
Cloudflare WARP for Android:
http://developers.cloudflare.com/warp-client/get-started/android/
Cloudflare WARP for iOS:
http://developers.cloudflare.com/warp-client/get-started/ios/
Use Cloudflare WARP VPN in combination with WireGuard:
http://www.andryou.com/2020/03/28/guide-using-cloudflares-warp-vpn-on-a-computer-mac-pc-linux/
WireGuard VPN (free, open source):
http://www.wireguard.com/
BrowserLeaks: DNS (Domain Name System) Leak Test:

http://browserleaks.com/dns/
Wikipedia: Virtual Private Network (VPN):
http://en.wikipedia.org/wiki/Virtual_private_network
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
See MDGx "* Web Browsers, Platforms, Computers + Devices Online Protection Guides + Tools for Privacy, Safety + Security:"
section further below under "Digital + Internet/Online Privacy, Safety + Security" chapter
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D
in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
RECOMMENDED:
****
Cellular/mobile device/pad/phone/tablet users: make sure you are using an encrypted, secure DNS server [best example]:
- Android (Google):
http://www.zdnet.com/article/how-to-turn-on-androids-private-dns-mode-and-why-you-should-asap/
Cloudflare WARP 1.1.1.1 [1x4] app for Android [Cloudflare secure DNS server]
http://play.google.com/store/apps/details?id=com.cloudflare.onedotonedotonedotone
- iOS (Apple):
http://developers.cloudflare.com/1.1.1.1/setup/ios/
Cloudflare WARP 1.1.1.1 [1x4] app for iOS [Cloudflare secure DNS server]
http://apps.apple.com/app/id1423538627/
Cloudflare WARP 1.1.1.1 [1x4] is free, but has ADS, PROMOS + IN-APP PURCHASES!

* Portmaster Free 64-bit for Windows 7/newer 64-bit (x64) port manager, firewall, filter, secure DNS, blocker, network monitor, highly customizable:
http://safing.io/
File [Setup only!]:
http://updates.safing.io/latest/windows_amd64/packages/portmaster-installer.exe
Windows 7 64-bit (x64) requires Microsoft Security Monthly Quality Rollup (SMQR) KB4503292:
http://catalog.s.download.windowsupdate.com/d/msdownload/update/software/secu/2019/06/windows6.1-kb4503292-x64_a35bb4ea16d1d529fde9abfe8a0c16e9061f74cd.msu
More info @ MSKB:
http://support.microsoft.com/kb/4503292/
Portmaster Documentation:
http://docs.safing.io/
Portmaster Feature Comparison:
http://safing.io/pricing/#comparison
Community Wiki:
http://wiki.safing.io/

* Metiix Blockade for Windows 7/newer network wide DNS based computer/device/group/network adware/malware/spyware/trackware blocker/filter + custom blocklist + whitelist exceptions:
http://www.metiix.com/blockade
Download [MSI Installer]:
http://www.metiix.com/blockade/downloads
Metiix Blockade Help Center:
http://help.metiix.com/help/7-blockade
Metiix Blockade FAQ:
http://help.metiix.com/help/7-blockade/categories/97-faq-s

* DNSCrypt Proxy clients for Windows NTx 32-bit + 64-bit use encrypted DNS protocol to authenticate + anonymize 2 way traffic between DNS client and DNSCrypt enabled DNS resolver, prevents DNS spoofing, DDoS attacks:
http://dnscrypt.info/
More Info:
http://www.dnscrypt.org/
DNSCrypt Proxy:
http://github.com/DNSCrypt/dnscrypt-proxy/
Download [ZIP -> EXE Installer]:
http://github.com/dnscrypt/dnscrypt-proxy/releases/latest/
Free Public DNSCrypt + DoH Servers List:
http://dnscrypt.info/public-servers/
DNSCrypt Documentation:
http://github.com/DNSCrypt/dnscrypt-proxy/wiki/
DNSCrypt Clients + DNSCrypt Servers:
http://dnscrypt.info/implementations/
DNSCrypt Clients:
http://www.dnscrypt.org/#dnscrypt-windows
DNSCrypt:
http://en.wikipedia.org/wiki/DNSCrypt

* Unbound 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) validating, recursive, caching DNS resolver, supports IPv6 (Internet Protocol version 6), DNSSEC (Domain Name System Security Extensions), NSEC (Next Secure Record), DNS over TLS (DoT) + DNS over HTTPS (DoH) encryption + protocols:
http://nlnetlabs.nl/projects/unbound/
Download [Portable ZIP]:
http://nlnetlabs.nl/projects/unbound/download/
Unbound Repository:
http://github.com/NLnetLabs/unbound/
Unbound online Documentation:

http://unbound.docs.nlnetlabs.nl/
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Wikipedia: Transport Layer Security (TLS):
http://en.wikipedia.org/wiki/Transport_Layer_Security
Wikipedia: DNS over TLS (DoT):
http://en.wikipedia.org/wiki/DNS_over_TLS
Wikipedia: DNS over HTTPS (DoH):
http://en.wikipedia.org/wiki/DNS_over_HTTPS
Wikipedia: Hypertext Transfer Protocol Secure (HTTPS):
http://en.wikipedia.org/wiki/HTTPS
Wikipedia: Domain Name System Security Extensions (DNSSEC):
http://en.wikipedia.org/wiki/Domain_Name_System_Security_Extensions

* Privoxy GUI interface + DOS console command line non-caching HTTP/web proxy with advanced filtering for enhanced privacy + safety, highly customizable:
http://www.privoxy.org/
Repository:
http://sourceforge.net/projects/ijbswa/
Download:
http://www.privoxy.org/sf-download-mirror/Win32/
http://sourceforge.net/projects/ijbswa/files/Win32/
Privoxy FAQ:
http://www.privoxy.org/faq/
Privoxy Online Manual:
http://www.privoxy.org/user-manual/
Wikipedia: Proxy server:
http://en.wikipedia.org/wiki/Proxy_server

* Privaxy 32-bit + 64-bit DOS console command line MITM (Man In The Middle) HTTP(S) low level incoming + outgoing tunnel proxy ad(ware)/malware/spying/surveillance/tracking blocker/filter:
http://github.com/Barre/privaxy/
Download:
http://github.com/Barre/privaxy/releases/latest/
Wikipedia: Proxy server:
http://en.wikipedia.org/wiki/Proxy_server

* PeerBlock [UNMAINTAINED!] Portable 32-bit + 64-bit for Windows XP/newer personal firewall blocks/filters incoming + outgoing dangerous/deceptive/insecure/invasive/intrusive/subversive/unsafe IPs + ports [IPv4 only] from frequently updated + user customized lists of blacklisted ad(ware)/malware/spying/surveillance/tracking hosts/IPs:
http://www.peerblock.com/
Download [Portable ZIP]:
http://code.google.com/archive/p/peerblock/downloads/
PeerBlock 64-bit for Windows Vista/newer 64-bit (x64):
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/peerblock/PeerBlock_r693__x64_Release_(Vista).zip
PeerBlock 32-bit for Windows Vista/newer 32-bit (x86):
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/peerblock/PeerBlock_r693__Win32_Release_(Vista).zip
PeerBlock Repository:
http://code.google.com/archive/p/peerblock/
http://sourceforge.net/projects/peerblock/
http://github.com/PeerBlock/peerblock/
I-Blocklist lists of blacklisted IPs [frequently updated]:
http://www.iblocklist.com/lists
Blocklists + Filterlists:
http://github.com/badmojr/1Hosts/
http://filterlists.com/
http://github.com/yokoffing/filterlists/
http://oisd.nl/
http://github.com/ShadowWhisperer/BlockLists/
http://www.fanboy.co.nz/filters.html
Wikipedia: PeerBlock:
http://en.wikipedia.org/wiki/PeerBlock

* Sans Institute (SANS) SEC505: Windows DNS Server Sinkhole Domains PowerShell Tool [archived]:
http://web.archive.org/web/20241212200323/https://www.sans.org/blog/windows-dns-server-sinkhole-domains-tool/
Download SEC505 [ZIP archive]:
http://raw.githubusercontent.com/SamuelArnold/SANS-SEC505/refs/heads/master/scripts.zip
SEC505 Repository:
http://github.com/SamuelArnold/SANS-SEC505/
Extract all files from ZIP above -> browse to + open [example using generic C:\Directory_Name]
C:\Directory_Name\Day6-Servers\DNS
subfolder/subdirectory -> open/view Sinkhole-DNS.ps1 (PowerShell script) using Unicode compatible Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to learn how to create + use a black(hole)list/blocklist plain text/ASCII file (.txt) acting as a sinkhole which blocks/filters/redirects/resolves a custom list of annoying, inappropriate, offensive, unwanted, dangerous, harmful ad(ware), malware, spyware, trackware IPv4 servers/domains/IPs to 0.0.0.0 [null] local host IP address over DNS (Domain Name System).
SEC505 requires PowerShell v2.0:
http://www.mdgx.com/xptoy.htm#PWS
PowerShell [PowerShell.exe] is located in %WinDir%\SYSTEM32\WindowsPowerShell\v1.0 folder [default location] = where %WinDir% usually C:\WINDOWS.

http://learn.microsoft.com/windows-server/administration/windows-commands/powershell/
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_exe/
http://learn.microsoft.com/powershell/module/microsoft.powershell.security/set-executionpolicy/
http://www.ss64.com/ps/powershell.html
http://www.ss64.com/ps/
http://www.ss64.com/ps/syntax-elevate.html
Windows PowerShell ISE (Integrated Scripting Environment) [PowerShell_ise.exe] is located in
%WinDir%\SYSTEM32\WindowsPowerShell\v1.0 folder [default location] = where %WinDir% usually C:\WINDOWS.
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_ise_exe/
Wikipedia: PowerShell:
http://en.wikipedia.org/wiki/PowerShell
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Wikipedia: Internet Protocol (IP):
http://en.wikipedia.org/wiki/Internet_Protocol
Wikipedia: 0.0.0.0 IPv4 address:
http://en.wikipedia.org/wiki/0.0.0.0

* Internet Proxy Switcher [ProxySwitcher.exe] 32-bit for Windows XP SP3/newer uses system proxy settings to setup an
anonymous (preferably free) proxy server of your choice to hide your IP address + unblock certain domains/IPs/sites:
http://www.proxynova.com/proxy-software/
Download [ZIP Archive]:
http://cdn.proxynova.com/files/ie_proxy_switcher_3.2.zip
Free Proxy Setup Guide:
http://www.proxynova.com/proxy-articles/free-proxy/
Free Proxy Service [USA]:
https://pac.proxynova.com
Internet Proxy Switcher requires Microsoft Visual C++ 2013 (VC2013) Redist 32-bit for Windows XP/newer 32-bit (x86) + 64-bit
for Windows XP/newer 64-bit (x64) (English):
http://learn.microsoft.com/cpp/windows/latest-supported-vc-redist/
- VC2013 32-bit for Windows XP/newer 32-bit (x86):
http://download.visualstudio.microsoft.com/download/pr/10912113/5da66ddebb0ad32ebd4b922fd82e8e25/vcredist_x86.exe
- VC2013 64-bit for Windows XP/newer 64-bit (x64):
http://download.visualstudio.microsoft.com/download/pr/10912041/cee5d6bca2ddbcd039da727bf4acb48a/vcredist_x64.exe

* Technitium DNS Server for Windows 7 SP1/newer self hosts secure authoritative/recursive DNS server (resolver) for privacy +
security, blocks ads + malware at DNS level, highly customizable:
http://technitium.com/dns/
Download [Installer EXE = ZIP archive]:
http://download.technitium.com/dns/DnsServerSetup.zip
Technitium DNS Server Help Topics:
http://technitium.com/dns/help.html
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Why might you run your own DNS server?
http://jvns.ca/blog/2022/01/05/why-might-you-run-your-own-dns-server-/

* DNS Jumper (DNSJumper) tests + changes to fastest + closest public root DNS servers -> right-click DNSJumper.exe ->
Run as as Administrator -> click Benchmark button:
http://www.sordum.org/7952/dns-jumper-v2-2/
File:
http://www.sordum.org/files/downloads.php?dns-jumper

* Domain Name Speed (DNS) Benchmark (DNSBench) tests fastest + closest public root DNS servers -> right-click DNSBench.exe
-> Run as Administrator -> click Fastest DNS button -> click Start DNS test button:
http://www.grc.com/dns/benchmark.htm
File:
http://www.grc.com/files/DNSBench.exe

* See also the "INTERNET" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.pdf
http://www.mdgx.com/TOOLS.TXT

* Use a free(ware)/open source PAC (Proxy Auto-Config) JavaScript (JS) based file + Internet Options (Properties)
[inetcpl.cpl] Control Panel (CP) applet to automatically switch proxy IPs/servers/URLs on the fly:
http://superuser.com/questions/15708/
http://serverfault.com/questions/17976/
http://stackoverflow.com/questions/64360503/
http://www.makeuseof.com/tag/3-scripts-modify-proxy-setting-internet-explorer/
http://en.wikipedia.org/wiki/Proxy_auto-config
http://thesolving.com/server-room/how-to-force-proxy-settings-via-group-policy-on-windows-server-2012/
http://proxywing.com/blog/what-is-a-proxy-script-address-and-how-it-works/
http://support.levelblue.com/kb/KnowledgebaseArticle13120.aspx
Internet Options (Properties) [inetcpl.cpl] Control Panel (CP) applet is located in the %WinDir%\SYSTEM32 directory/folder
[%WinDir% = usually C:\WINDOWS].
Example of Windows registry keys + values using ProxyNova free PAC script:
https://pac.proxynova.com/
ProxyNova: Free Proxy Setup Guide:
http://www.proxynova.com/proxy-articles/free-proxy/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer

http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
; Computer/machine/system wide (all users):
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet Settings]
"MigrateProxy"=dword:1
"ProxyEnable"=dword:0
"ProxyHttp1.1"=dword:1
"ProxyOverride"="<local>"
"ProxyServer"=""
"AutoConfigURL"="https://pac.proxynova.com/"
; Current logged on/signed in user only:
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Internet Settings]
"MigrateProxy"=dword:1
"ProxyEnable"=dword:0
"ProxyHttp1.1"=dword:1
"ProxyOverride"="<local>"
"ProxyServer"=""
"AutoConfigURL"="https://pac.proxynova.com/"
; All managed/registered users on the same computer/machine/system:
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Internet Settings]
"MigrateProxy"=dword:1
"ProxyEnable"=dword:0
"ProxyHttp1.1"=dword:1
"ProxyOverride"="<local>"
"ProxyServer"=""
"AutoConfigURL"="https://pac.proxynova.com/"
;
------End cut & paste here------
```

Internet + Web Browsers Tweaks, Fixes + Tools [Chromium/Chrome, Firefox + Internet Explorer (IE)]
http://www.mdgx.com/7.php#:~:text=Internet%20%2B%20Web%20Browsers%20Tweaks%2C%20Fixes%20%2B%20Tools%20%5BChromium%2FChrome%2C%20Firefox

All these apply to all Windows 7/newer builds/editions/releases/versions.

* MDGx "Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions" web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV

* MDGx "Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Settings, Add-ons, Guides + Solutions" web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSF

* MDGx Chromium/Chrome [+ alternatives/derivatives/forks/variants] "Digital + Internet/Online Privacy, Safety + Security Guides, Solutions + Tools [free(ware)]" web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSSGS

* MDGx Firefox [+ alternatives/derivatives/forks/variants] "Digital + Internet/Online Privacy, Safety + Security Guides, Solutions + Tools [free(ware)]" web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSSGF

* MDGx "Best Free VPN/Proxy Extensions for Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNC

* MDGx "Best Free VPN/Proxy Add-ons for Firefox [+ alternatives/derivatives/forks/variants] web browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNF

* MDGx "Disable/turn ØFF Google A.I. chatbot" in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers topic in WINDOWS7.TXT (this file):
http://www.mdgx.com/links.htm#AI0G
-> "@ Chromium/Chrome web browsers + alternatives/derivatives/forks/variants:" section
http://www.mdgx.com/7.php#:~:text=%40%20Chromium%2FChrome%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%5D
-> "Digital + Internet/Online Privacy, Safety + Security = Your Top Priority" chapter
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D

* MDGx "Disable/turn ØFF Google A.I. chatbot" in Firefox [+ alternatives/derivatives/forks/variants] web browsers topic in WINDOWS7.TXT (this file):
http://www.mdgx.com/links.htm#AI0GF
-> "@ Firefox/Mozilla web browsers + alternatives/derivatives/forks/variants:" section

http://www.mdgx.com/7.php#:~:text=%40%20Firefox%2FMozilla%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%5D
-> "Digital + Internet/Online Privacy, Safety + Security = Your Top Priority" chapter
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D

* MDGx "Chromium/Chrome -> Disable Google Lens + Restore Google Images Search" topic -> further below:
http://www.mdgx.com/links.htm#LENC

* MDGx "Firefox -> Disable Google Lens + Restore Google Images Search" topic -> further below:
http://www.mdgx.com/links.htm#LENF

* MDGx "Internet Power Toys [free(ware)]" section -> "Free(ware) Windows NTx Web Browsers" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#NET

* MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section -> "Chromium + Chrome"
[+ alternatives/derivatives/forks/variants] web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR

* MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox + SeaMonkey" section -> "Firefox" [+
alternatives/derivatives/forks/variants] web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ

* MDGx "Internet Power Toys [free(ware)]" section -> "Free(ware) Windows NTx Internet Enhancers" topic in SOFTWARE.TXT
(included):
http://www.mdgx.com/nettoys.htm#DUN

* MDGx "Firewalls, Anti-Spyware + Internet Monitors [free(ware)]" section -> "Free(ware) Windows NTx Monitors, Firewalls +
Anti-Spyware" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/fw.htm

* MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" -> "INTERNET" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* MDGx "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS

* MDGx "Search Engines, Translators, Human Rights + Net Tools" web page:
http://www.mdgx.com/links.htm

* Customize, enhance, optimize, tweak Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#CHR
by using built-in flags settings [chrome://flags], dubbed "Experiments": in the URL address bar (omnibox) paste/type + go to
chrome://flags/
-> see message at the top:
----------snippity-snip----------
"WARNING:
EXPERIMENTAL FEATURES AHEAD!
By enabling these features, you could lose browser data or compromise your security or privacy.
Enabled features apply to all users of this browser.
If you are an enterprise admin you should not be using these flags in production."
----------snippity-snip----------
More info:
- Chromium/Chrome flags settings [chrome://flags]:
http://chromeflags.org/
- Open Relay: How to use Chrome/Chromium flags:
http://blog.openreplay.com/enable-chrome-flags-in-chrome-guide/
- Popular Science: Tweak 10 hidden Chrome/Chromium flags settings:
http://www.popsci.com/technology/hidden-chrome-settings/
- Chromium Docs: Configuration -> Flags:
http://chromium.googlesource.com/chromium/src/+/main/docs/configuration.md#flags
NOTES:
******
1. Some of these flags are available *only* to certain/OLDer/specific, beta/developer/testing Chromium based web browsers
builds/releases/versions and/or alternatives/derivatives/forks/variants, and some have been discontinued, deprecated,
rendered obsolete, renamed or updated.
See MDGx "FREE Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
for a list of most Chromium based [+ alternatives/derivatives/forks/variants] web browsers available [free, open source].
Examples:
- Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork]
optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
http://github.com/win32ss/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/

- Ungoogled Chromium precompiled binaries 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
Ungoogled Chromium 64-bit for Windows 7/newer 64-bit (x64):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/64bit/
Ungoogled Chromium 32-bit for Windows 7/newer 32-bit (x86):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/32bit/
Portapps Ungoogled Chromium Portable 32-bit + 64-bit Downloads [Portable 7-Zip]:
http://github.com/portapps/ungoogled-chromium-portable/releases/latest/
Ungoogled Chromium Portable 32-bit + 64-bit:
http://github.com/ungoogled-software/ungoogled-chromium/
Install + Configure Ungoogled Chromium:
http://avoidthehack.com/how-to-install-configure-ungoogled-chromium/
2. After modifying the built-in default or a previously changed option of any of the available/listed flags you will be prompted to relaunch/restart your web browser [by pressing "Restart" button at bottom right corner] in order for that/those specific change(s) to take effect.
Recommended to do that as soon as possible, unless you plan on modifying more flags, and then relaunch/restart your web browser after you're done tweaking.
3. Chromium/Chrome [+ alternatives/derivatives/forks/variants] flags settings are completely different from the built-in executable [typically chrome.exe, but file name can differ depending on alternative/derivative/fork/variant] command line options/parameters/switches designed and used to activate/execute/launch/load/run/start the web browser with certain custom/specific features/functions, perform special operations/tasks, etc.
List of Chromium Command Line Switches:
http://peter.sh/experiments/chromium-command-line-switches/
Chrome/Chromium Command Line Switches:
http://www.ericdlarson.com/misc/chrome_command_line_flags.html
4. Chromium/Chrome [+ alternatives/derivatives/forks/variants] flags settings are completely different from the chrome://[formerly about://] built-in commands [other than the "chrome://" settings followed by "flags"], all of whom can be accessed, customized, modified, optimized, tweaked by pasting/typing in the URL address bar (omnibox) and going to chrome://settings/
See "@ Chromium/Chrome web browsers + alternatives/derivatives/forks/variants"
http://www.mdgx.com/7.php#:~:text=%40%20Chromium%2FChrome%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%5D
section further below for a comprehensive guide on how to enhance + maximize your Chromium based web browser(s) privacy, safety + security.
9 Hidden Chrome Settings
http://nira.com/chrome-settings/
MDGx: built-in + hidden [chrome://, formerly about://] commands + settings -> "GOOGLE CHROME + CHROMIUM EASTER EGGS" -> EGGS.TXT (included):
http://www.mdgx.com/egg.htm#GCEGG
MDGx: Useful Chromium/Chrome [+ alternatives/derivatives/forks/variants] Flags Settings:
****
This is my comprehensive customized list of 115+ [I have tested + use(d), in no specific order, vaguely organized ;-/] Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers flags [chrome://flags] settings, what they do + their available options you should know about, and consider customizing/optimizing/tweaking to match your needs/requirements and/or choices/preferences in order to customize, enhance, maximize, optimize, patch/repair/update/upgrade, tweak your browsing experience, ease of use, functionality, performance, privacy, reliability, safety, security, stability:
"Enables optimization guide on device" ["Enables the optimization guide to execute models on device"]
chrome://flags/#optimization-guide-on-device-model
-> Disabled.
FYI:
Flags setting above is used by newest incarnation of Google Gemini A.I. model database file [weights.bin] located in your Chromium/Chrome user profile \OptGuideOnDeviceModel subdirectory/subfolder, and which is installed silently, hidden, behind your back and without your approval/authorization/consent/knowledge/permission!
More info:
http://www.cnet.com/tech/services-and-software/did-chrome-just-install-a-massive-ai-model-on-your-device-without-telling-you-yes-probably/
http://www.thatprivacyguy.com/blog/chrome-silent-nano-install/
"Enable optimization guide debug logs" ["Enables the optimization guide to log and save debug messages that can be shown in the internals page"]
chrome://flags/#optimization-guide-debug-logs
-> Disabled.
"Enable optimization guide dogfood logging" ["If this client is a Google-internal dogfood client, overrides enterprise policy to enable model quality logs"]
chrome://flags/#optimization-guide-enable-dogfood-logging
-> Disabled.
"Disable machine ID" ["Disables use of a generated machine specific ID to lock the user data directory to that machine. This is used to enable portable user data directories"] [Ungoogled Chromium + Supermium *only*]
chrome://flags/#disable-machine-id
-> Enabled.
More info:
http://github.com/ungoogled-software/ungoogled-chromium/
CAUTION:
****
- NEWer Ungoogled Chromium [+ alternatives/derivatives/forks/variants] web browser versions 124/newer = *SAFE* (fixed):
Turning OFF your uniquely identifiable machine ID does NOT delete/disable/wipe out anything from your user profile.
- OLDer Ungoogled Chromium [+ alternatives/derivatives/forks/variants] web browser versions 123/older = *UNSAFE* (flawed):
Turning OFF your uniquely identifiable machine ID deletes/disables/wipes out *ALL* your user profile changes, configurations, customizations, modifications, tweaks, saved/set/tweaked flags, settings, accounts, add-ons, addresses, apps, saved autofill text strings, enrollments, extensions, features, memberships, notifications, services, passcodes, passkeys, saved passwords, subscriptions, etc that depend on it in order to function/operate properly!
"Bookmark Open Options" ["Open bookmarks in current tab (default), new foreground tab (switch focus) or new background tab (no switch focus)"] [Supermium *only*]
chrome://flags/#open-bookmark-option

-> New Foreground Tab.
"Maximum connections per host" [Ungoogled Chromium + Supermium *only*]
chrome://flags/#max-connections-per-host
-> 15.
"Disable search engine collection" ["Prevents search engines from being added automatically"] [Ungoogled Chromium + Supermium *only*]
chrome://flags/#disable-search-engine-collection
-> Enabled.
"Disable GREASE for TLS" ["Turn off GREASE (Generate Random Extensions And Sustain Extensibility) for TLS connections"] [Ungoogled Chromium + Supermium *only*]
chrome://flags/#disable-grease-tls
-> Disabled.
"Show avatar/people/profile button" [Ungoogled Chromium + Supermium *only*]
chrome://flags/#show-avatar-button
-> Never.
"Ungoogled" Supermium Mode ["Blocks all involuntary connections to Alphabet/Google"; "WARNING: Ungoogled Mode turns *OFF* 'Search google for...' right-click item + New Tab Page (NTP) google search function!] [Ungoogled Supermium *only*]
chrome://flags/#ungoogled-supermium
-> Enabled.
"Disable Sharing Hub" ["Disables the sharing hub button"] [Ungoogled Chromium + Supermium *only*]
chrome://flags/#disable-sharing-hub
-> Enabled.
"Enables AI Data collection via extension" ["Enables an extension API to allow specific extensions to collect data from browser process. This data may contain profile specific information and may be otherwise unavailable to an extension"]
chrome://flags/#enable-extension-ai-data-collection
-> Disabled.
"Autoplay Policy" ["Enable OR Disable autoplay 4 *all* audios + videos"] [Supermium *only*]
chrome://flags/#autoplay-policy
-> Autoplay Disabled.
"Disable Autoplay" [Supermium *only*]
chrome://flags/#disable-autoplay
-> Autoplay Disabled.
"One time permission"
chrome://flags/#one-time-permission
-> Disabled.
"Enable download bubble"
chrome://flags/#download-bubble
-> Disabled.
"Default Browser Prompt Refresh"
chrome://flags/#default-browser-prompt-refresh
-> Disabled.
"AI settings page refresh"
chrome://flags/#ai-settings-page-refresh
-> Disabled.
"Privacy Sandbox Ads APIs"
chrome://flags/#privacy-sandbox-ads-apis
-> Disabled.
"Privacy Sandbox Enrollment Overrides"
chrome://flags/#privacy-sandbox-enrollment-overrides
-> Disabled.
"Privacy Sandbox Internals Page"
chrome://flags/#privacy-sandbox-internals
-> Disabled.
"Privacy Sandbox Privacy Guide Ad Topics"
chrome://flags/#privacy-sandbox-privacy-guide-ad-topics
-> Disabled.
"Privacy Sandbox Privacy Policy"
chrome://flags/#privacy-sandbox-privacy-policy
-> Disabled.
"Privacy Sandbox Ad Topics Content Parity"
chrome://flags/#privacy-sandbox-ad-topics-content-parity
-> Disabled.
"Disable IP Protection Proxy" ["When disabled, prevents use of the IP Protection proxy. This is intended to help with diagnosing any issues that could be caused by the feature being enabled"]
chrome://flags/#ip-protection-proxy-opt-out
-> Default.
"Allow Legacy Manifest V2 Extensions"
chrome://flags/#allow-legacy-mv2-extensions
-> Enabled.
"Extension Manifest V2 Deprecation Warning Stage"
chrome://flags/#extension-manifest-v2-deprecation-warning
-> Disabled.
"Extension Manifest V2 Deprecation Disabled Stage"
chrome://flags/#extension-manifest-v2-deprecation-disabled
-> Disabled.
"Extension Manifest V2 Deprecation Unsupported Stage"
chrome://flags/#extension-manifest-v2-deprecation-unsupported
-> Disabled.
"Freeze CPU intensive background tabs on Energy Saver"
chrome://flags/#freezing-on-energy-saver
-> Disabled.
"Freeze CPU intensive background tabs on Energy Saver - Testing Mode"

chrome://flags/#freezing-on-energy-saver-testing
-> Disabled.
"Disable Crashpad"
chrome://flags/#disable-crashpad
-> Enabled.
"Experimental QUIC protocol"
chrome://flags/#enable-quic
-> Enabled.
"Warn on insecure downloads"
chrome://flags/#insecure-download-warnings
-> Disabled.
"Extensions on chrome:// URLs"
chrome://flags/#extensions-on-chrome-urls
-> Enabled.
"Global Media Controls control Cast start/stop" (GMC) ["Allows global media controls to control when a Cast session is started or stopped instead of relying on the Cast dialog"]
chrome://flags/#global-media-controls-cast-start-stop
-> Disabled.
"Global Media Controls (GMC) updated UI (User Interface)" ["Show updated UI (User Interface) for Global Media Controls (GMC)"]
chrome://flags/#global-media-controls-updated-ui
-> Disabled.
"Web App System Media Controls (SMC) on Windows" ["Enable instanced system media controls (SMC) for web apps"]
chrome://flags/#enable-web-app-system-media-controls-win
-> Disabled.
"Media Remoting without videos in fullscreen mode" ["Starts Media Remoting from Global Media Controls (GMC) without making the videos fullscreen"]
chrome://flags/#media-remoting-without-fullscreen
-> Disabled.
"media-playback-while-not-visible permission policy" ["Enables media-playback-while-not-visible permission policy. This permission policy will pause any media being played by any disallowed iframes which are not currently rendered"]
chrome://flags/#media-playback-while-not-visible-permission-policy
-> Disabled.
"Hardware Media Key Handling" ["Enables using media keys to control the active media session. This requires MediaSessionService to be enabled too"]
chrome://flags/#hardware-media-key-handling
-> Disabled.
"Enable Lens standalone features"
chrome://flags/#enable-lens-standalone
-> Disabled.
"Enable Lens region (selection) search"
chrome://flags/#enable-lens-region-search
-> Disabled.
"Enable NTP (New Tab Page) Google Lens search"
chrome://flags/#ntp-desktop-lens
-> Disabled.
"Enable Lens fullscreen search"
chrome://flags/#enable-lens-fullscreen-search
-> Disabled.
"Context Menu search with Google Lens"
chrome://flags/#context-menu-search-with-google-lens
-> Disabled.
"Bind cookies to their setting origin's port"
chrome://flags/#bind-cookies-to-port
-> Enabled.
"Bind cookies to their setting origin's scheme"
chrome://flags/#bind-cookies-to-scheme
-> Enabled.
"Third-party Cookie Deprecation Trial Grants for Testing"
chrome://flags/#third-party-cookie-deprecation-trial
-> Disabled.
"Third-party Cookie Grants Heuristics Testing"
chrome://flags/#tpcd-heuristics-grants
-> Disabled.
"Third-party Cookie Phase Out Facilitated Testing"
chrome://flags/#tpc-phase-out-facilitated-testing
-> Disabled.
"Top-Level Third-Party Cookie Deprecation Trial Grants for Testing"
chrome://flags/#top-level-third-party-cookie-deprecation-trial
-> Disabled.
"Test Third Party Cookie Phaseout"
chrome://flags/#test-third-party-cookie-phaseout
-> Disabled.
"Third-Party Cookie Deprecation Metadata Grants for Testing"
chrome://flags/#tpcd-metadata-grants
-> Disabled.
"Enable experimental cookie features" [WARNING: *Blocked* by Google!]
chrome://flags/#enable-experimental-cookie-features
-> Disabled.
"Test Third Party Cookie Phaseout"
chrome://flags/#test-third-party-cookie-phaseout
-> Disabled.

"Live Caption" ["Enables the live caption feature which generates captions for media playing in Chromium/Chrome"]
chrome://flags/#enable-accessibility-live-caption
-> Disabled.
"Desktop PWA Sub Apps" ["Enable installed PWAs to create shortcuts by installing their sub apps"]
chrome://flags/#enable-desktop-pwas-sub-apps
-> Disabled.
"Omnibox shortcut boosting" ["Promote shortcuts to be default when available"]
chrome://flags/#omnibox-shortcut-boost
-> Disabled.
"Tab Groups Save and Sync" ["Enable saving and recalling of tab groups"]
chrome://flags/#tab-groups-save
-> Disabled.
"Allow WebRTC to adjust the input volume"
chrome://flags/#enable-webrtc-allow-input-volume-adjustment
-> Disabled.
"Anonymize local IPs exposed by WebRTC" ["Conceal local IP addresses with mDNS hostnames"]
chrome://flags/#enable-webrtc-hide-local-ips-with-mdns
-> Enabled.
"Async DNS resolver" ["Enables the built-in DNS resolver"]
chrome://flags/#enable-async-dns
-> Disabled.
"Encrypted ClientHello"
chrome://flags/#encrypted-client-hello
-> Enabled.
"Use DNS https alpn" ["When enabled, Chrome may try QUIC on the first connection using the ALPN information in the DNS HTTPS record"]
chrome://flags/#use-dns-https-svcb-alpn
-> Disabled.
"Desktop PWA Window Minimize/maximize/restore" ["Enable PWAs to manually recreate the minimize, maximize + restore window functionalities with respective APIs"]
chrome://flags/#enable-desktop-pwas-additional-windowing-controls
-> Enabled.
"Use Windows Runtime MIDI API" ["Use Windows Runtime MIDI API for WebMIDI (effective only on Windows 10 or later)"]
chrome://flags/#use-winrt-midi-api
-> Disabled.
"Omnibox Fuzzy URL Suggestions" ["Enables URL suggestions for inputs that may contain typos"]
chrome://flags/#omnibox-fuzzy-url-suggestions
-> Disabled.
"History Journeys Content Clustering" ["Enables clustering page loads using content annotations"]
chrome://flags/#history-journeys-content-clustering
-> Enabled.
"History Journeys Images" ["Enables Images for the History Journeys UI (User Interface)"]
chrome://flags/#history-journeys-images
-> Enabled.
"History Journeys Labels" ["Enables labels for Journeys within the History Journeys UI (User Interface)"]
chrome://flags/#history-journeys-labels
-> Enabled.
"History Journeys Omnibox Action" ["Enables the History Journeys Omnibox Action"]
chrome://flags/#history-journeys-omnibox-action
-> Disabled.
"History Journeys" ["Enables the History Journeys UI (User Interface)"]
chrome://flags/#history-journeys
-> Disabled.
"Side panel journeys" ["Enables Journeys within the side panel"]
chrome://flags/#side-panel-journeys
-> Disabled.
"NTP Journeys Module" ["Shows the Journeys module on the New Tab Page (NTP)"]
chrome://flags/#ntp-journeys-module
-> Disabled.
"NTP Journeys Module Suggestion Chip Header" ["Shows the historical suggestion chip in the header if enabled"]
chrome://flags/#ntp-journeys-module-suggestion-chip-header
-> Disabled.
"Tab Scrolling" ["Enables tab strip to scroll left and right when full"]
chrome://flags/#scrollable-tabstrip
-> Disabled.
"Parallel downloading" ["Enable parallel downloading to accelerate download speed"]
chrome://flags/#enable-parallel-downloading
-> Enabled.
"Disruptive notification permission revocation" ["Enables revoking the notification permission on sites that send disruptive notifications unless the permission was granted through a prompt that informed the user about this possibility"]
chrome://flags/#disruptive-notification-permission-revocation
-> Enabled.
"Password export" ["Export functionality in password settings"]
chrome://flags/#PasswordExport
-> Enabled.
"Password import" ["Import functionality in password settings"]
chrome://flags/#PasswordImport
-> Enabled.
"Manual password saving" ["Show the password manager icon when typing into a password filed. Clicking it allows to save the password without submitting the form"]
chrome://flags/#enable-manual-password-saving
-> Enabled.

"Password generation" ["Allow the user to have Chrome generate passwords when it detects account creation pages"]
chrome://flags/#enable-password-generation
-> Enabled.
"Force-saving of passwords" ["Allow the user to manually enforce password saving instead of relying on password manager's heuristics"]
chrome://flags/#PasswordForceSaving
-> Enabled.
"Manual password generation" ["Show a 'Generate Password' option on the context menu for all password fields"]
chrome://flags/#enable-manual-password-generation
-> Enabled.
"Enable reporting of Cookie Issues for legacy technology report" [DISCONTINUED!]
chrome://flags/#legacy-tech-report-enable-cookie-issue-reports
-> Disabled.
"FedCmExemptIdPWithThirdPartyCookies" [DISCONTINUED!]
chrome://flags/#fedcm-exempt-idp-with-third-party-cookies
-> Disabled.
"FedCmWithoutThirdPartyCookies" [DISCONTINUED!]
chrome://flags/#fedcm-without-third-party-cookies
-> Enabled.
"Native Client (NaCl)" ["Support Native Client (NaCl) for all web applications, even those that were not installed from the Chrome Web Store"]
chrome://flags/#enable-nacl
-> Enabled.
"Restrict Native Client (NaCl) GDB-based debugging by pattern" ["Restricts Native Client (NaCl) application GDB-based debugging by URL of manifest file. Native Client (NaCl) GDB-based debugging must be enabled for this option to work"]
chrome://flags/#nacl-debug-mask
-> Debug only.
"Extensions on chrome:// URLs" ["Enables running extensions on chrome:// URLs, where extensions explicitly request this permission"]
chrome://flags/#extensions-on-chrome-urls
-> Enabled.
"Hyperlink auditing" ["Sends hyperlink auditing pings"]
chrome://flags/#disable-hyperlink-auditing
-> Disabled.
"Extension Content Verification" ["This flag can be used to turn on verification that the contents of the files on disk for extensions from the webstore match what they're expected to be. This can be used to turn on this feature if it would not otherwise have been turned on, but cannot be used to turn it off (because this setting can be tampered with by malware)"]
chrome://flags/#extension-content-verification
-> Bootstrap.
"SafeSearch URLs reporting" ["If enabled, inappropriate URLs can be reported back to SafeSearch"]
chrome://flags/#safe-search-url-reporting
-> Disabled.
"Show in-form warnings for sensitive fields when the top-level page is not HTTPS" ["Attaches a warning UI (User Interface) to any password or credit card fields detected when the top-level page is not HTTPS"]
chrome://flags/#enable-http-form-warning
-> Enabled.
"Enable Vulkan" [DISCONTINUED!]
chrome://flags/#enable-vulkan
-> Enabled.
"Ignore GPU blocklist" ["Override software rendering list"]
chrome://flags/#ignore-gpu-blocklist
-> Enabled.
"Enable GPU rasterization"
chrome://flags/#enable-gpu-rasterization
-> Enabled.
"Enable Hardware-accelerated video decode"
chrome://flags/#enable-accelerated-video-decode
-> Enabled.
"Canvas OOP (Out of Process) rasterization" ["Out-of-process (OOP) 2D canvas rasterization"]
chrome://flags/#canvas-oop-rasterization
-> Enabled.
"Handling of extension MIME type requests" ["Used when deciding how to handle a request for a CRX or User Script MIME type. ungoogled-chromium flag"]
chrome://flags/#extension-mime-request-handling
-> Default.
"Reduce (formerly 'freeze') the amount of information available in the User-Agent request header" [DISCONTINUED!]
chrome://flags/#reduce-user-agent
-> Enabled.
"Unsafely treat insecure origin as secure" ["Treat given (insecure) origins as secure origins"] [DISCONTINUED!] [WARNING: Exposes your web browser or even computer/device, operating system + other apps/software to unnecessary safety/security breaches/hacks/intrusions/risks in case accessing or by being redirected to certain dangerous/hacking/malicious/spying/tracking domains/servers/sites/URLs!]
chrome://flags/#unsafely-treat-insecure-origin-as-secure
-> Enabled.
"Mark non-secure origins as non-secure" ["Change the UI (User Interface) treatment for HTTP pages = treat HTTP same as HTTPS"] [DISCONTINUED!] => WARNING: Exposes your web browser or even computer/device, operating system + other apps/software to unnecessary safety/security breaches/hacks/intrusions/risks in case accessing or by being redirected to certain dangerous/hacking/malicious/spying/tracking domains/servers/sites/URLs!
chrome://flags/#enable-mark-http-as
-> Disabled.
"Old UI (User Interface) Design"
chrome://flags/#top-chrome-md

-> Normal.
"New Tab Page (NTP) Thumbnails"
chrome://flags/#use-google-local-ntp
-> Enabled.
"New Tab Page (NTP) Square Thumbnails Icons"
chrome://flags/#ntp-icons
-> Enabled.
"New Tab Page (NTP) UI (User Interface)"
chrome://flags/#ntp-ui-md
-> Enabled.
"Omnibox Less Whitespace in Suggestions"
chrome://flags/#omnibox-ui-vertical-margin
-> Disabled.
"Omnibox Show Complete URLs"
chrome://flags/#omnibox-ui-hide-steady-state-url-scheme-and-subdomains
-> Disabled.
"Enable Picture-in-Picture" [for YouTube videos] [DISCONTINUED!]
chrome://flags/#enable-picture-in-picture
-> Disabled.
"Video picture-in-picture controls update 2024" ["Displays an updated UI (User Interface) for video picture-in-picture controls from its 2024UI update"]
chrome://flags/#video-picture-in-picture-controls-update-2024
-> Enabled.
Next 7 flags settings are optional according to personal preferences:
"Use Classic Theme" ["Use classic Chrome theme designed to mimick 'Aero' window controls"] => WARNING: this setting is being *disabled* by themes installed from Chrome Web Store, therefore you may need to reenable it again!
chrome://flags/#force-xp-theme
-> Enabled.
"Force disabling of Windows 10 custom titlebar" ["Disable the Windows 10 custom titlebar to take advantage of Aero Glass fixes for the operating system"] => WARNING: this setting is being *disabled* by themes installed from Chrome Web Store, therefore you may need to reenable it again!
chrome://flags/#disable-windows-10-custom-titlebar
-> Enabled.
"Force GDI font rendering" => WARNING: GDI font rendering turns *OFF* Windows built-in [DirectWrite] graphical/Unicode emojis/icons/logos/symbols!
chrome://flags/#force-gdi
-> Disabled.
"Enable ability to configure Memory Saver aggressivity"
chrome://flags/#memory-saver-aggressiveness
-> Disabled.
"Split View" ["Allows users to view two tabs simultaneously in a split view"]
chrome://flags/#side-by-side
-> Disabled.
"Forced Dark Mode for UI (User Interface)" ["persistent Dark Mode 4 all web browser UI elements, but *not* 4 web content"]
chrome://flags/#force-dark-mode
-> Enabled.
"Enable Force Dark" mode [Supermium *only*]
chrome://flags/#enable-force-dark
-> Enabled.

* FIX: Disable/turn ØFF Google "A.I. chatbot overviews" + "Ask anything with AI Mode" in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/links.htm#AI0G
http://superuser.com/questions/7327/#1756774
http://arstechnica.com/gadgets/2024/05/google-searchs-udm14-trick-lets-you-kill-ai-search-for-good/
http://www.dexerto.com/tech/how-to-turn-off-ai-in-google-search-results-2728486/
http://www.bleepingcomputer.com/news/google/frustration-grows-over-googles-ai-overviews-feature-how-to-disable/
http://www.tomshardware.com/software/google-chrome/bye-bye-ai-how-to-block-googles-annoying-ai-overviews-and-just-get-search-results/
http://www.youtube.com/watch?v=P7NHABs76mg
http://www.youtube.com/watch?v=ro130m-f_yk
http://techcrunch.com/2025/05/02/ai-chatbots-are-juicing-engagement-instead-of-being-useful-instagram-co-founder-warns/
http://techcrunch.com/2025/05/02/google-will-soon-start-letting-kids-under-13-use-its-gemini-chatbot/
FYI:
Ars Technica: Lawsuit: Google Gemini sent man on violent missions, set suicide "countdown":
http://arstechnica.com/tech-policy/2026/03/lawsuit-google-gemini-sent-man-on-violent-missions-set-suicide-countdown/
Ars Technica: How often do AI chatbots lead users down a harmful path?:
http://arstechnica.com/ai/2026/01/how-often-do-ai-chatbots-lead-users-down-a-harmful-path/
Futurism: People Are Being Involuntarily Committed, Jailed After Spiraling Into "ChatGPT Psychosis":
http://futurism.com/commitment-jail-chatgpt-psychosis/
Futurism: People Are Becoming Obsessed with ChatGPT and Spiraling Into Severe Delusions:
http://futurism.com/chatgpt-mental-health-crises/
Rolling Stone: People Are Losing Loved Ones to A.I. Fueled Spiritual Fantasies:
http://www.rollingstone.com/culture/culture-features/ai-spiritual-delusions-destroying-human-relationships-1235330175/
Futurism: Analysis Finds That Google's AI Overviews Are Providing Misinformation at a Scale Possibly Unprecedented in the History of Human Civilization:
http://futurism.com/artificial-intelligence/google-ai-overviews-misinformation/
Popular Science: Study: Google's AI Overviews show millions of wrong answers every hour:
http://www.popsci.com/technology/ai-overview-inaccuracy-google/
TechCrunch: Google's most recent Gemini A.I. model scores worse on safety:
http://techcrunch.com/2025/05/02/one-of-googles-recent-gemini-ai-models-scores-worse-on-safety/
The Guardian: Google AI Overviews cite YouTube more than any medical site for health queries, study suggests:
http://www.theguardian.com/technology/2026/jan/24/google-ai-overviews-youtube-medical-citations-study/

Ars Technica: The hidden cost of Google's AI defaults and the illusion of choice:
http://arstechnica.com/ai/2026/04/googles-privacy-maze-how-gemini-traps-you-and-your-data/
NEWS:
Google [Alphabet] finally admitted publicly [after repeated pressure from reporting media + the public!] that their buggy, faulty, untested "A.I. overviews" software makes mistakes, but they did NOT remove it in order to "overview"/review/verify + correct/improve accuracy, correctitude, factuality, truth, validity, and to eliminate *dangerous*, *harmful*, *life threatening*, misleading A.I. delusional/confabulating/hallucinating advice, information and obvious, blatant errors.
http://en.wikipedia.org/wiki/Hallucination_(artificial_intelligence)
Google Help: AI Overviews in Search results:
http://support.google.com/websearch/answer/14901683/
-> "Important: AI responses may include mistakes. Learn about generative AI and its limitations."
So now they are blaming inherent "A.I. limitations" for their carelessness, ignorance, incompetence, ineptitude, laziness, all in the pursuit of quick profit at the expense of everyone's safety...
http://support.google.com/websearch/answer/13954172/
ßUGs:
*****
Google changed front/main search page without giving users any choice!
http://arstechnica.com/gadgets/2024/05/google-search-adds-web-filter-as-it-pivots-to-ai-focused-search-results/
Search results space has been taken over by their "A.I. chatbot overviews" + "Ask anything with AI Mode" (whose sole purpose is invasive for profit advertisement/marketing/monetization/promotion/sales + auditing/fingerprinting/spying/surveillance/tracking, and in most cases exaggerated, inaccurate, incorrect, misleading, or worse... *dangerous*, *harmful* advice!),
http://www.theguardian.com/technology/2026/jan/02/google-ai-overviews-risk-harm-misleading-health-information/
http://www.extremetech.com/internet/google-search-ai-is-giving-users-catastrophic-instructions/
http://futurism.com/the-byte/google-admits-ai-search-feature-dumpster-fire/
http://arstechnica.com/ai/2024/06/googles-ai-overviews-misunderstand-why-people-use-google/
http://arstechnica.com/information-technology/2024/05/googles-ai-overview-can-give-false-misleading-and-dangerous-answers/
and you have to scroll down a lot, or even go to the next page/screen/viewport so you can reach the actual list of links containing answers/documents/files/pages/sites/etc pertaining to your search query. :-(
FIXes:
******
* Disable/turn ØFF Google Search "Ask anything with AI Mode" powered by Google Gemini A.I. chatbot:
http://support.google.com/websearch/answer/16011537/
More info:
http://www.theregister.com/2025/03/06/google_launches_ai_mode_for/
You must be logged on/signed in into (1 of) your Android/Chrome/Gmail/Google/YouTube account(s) [if more than 1] -> launch/open/run/start (any of) your default/favorite web browser(s)
http://www.mdgx.com/nettoys.htm#NET
[if more than 1] -> go to
http://labs.google.com/search/experiment/22
OR to
http://labs.google.com/search/experiments/
OR to
http://labs.google.com/search/
-> click/touch "Ask anything with AI Mode" -> turn ØFF/slide left "Turn this experiment on or off" OR "Ask anything with AI Mode" -> optional: log off/sign out of your current Android/Chrome/Gmail/Google/YouTube account.
* Google search A.I. overviews should be [theoretically, but not practically :-(] enabled/turned ON *only* if you are already logged on/signed in into (1 of) your Google account(s) (if you have any).
In such cases you can turn it ØFF: go to "AI Overviews and more" Search Labs experiment
http://labs.google.com/search/experiment/1
OR to
http://labs.google.com/search/experiments/
OR to
http://labs.google.com/search/
-> click/touch "AI Overviews and more" -> in the next screen turn ØFF/slide left "Turn this experiment on or off. Turning this off does not disable AI Overviews in Search outside of Labs" -> log off/sign out of your current Google account.
More info:
http://support.google.com/websearch/answer/13572151/
http://www.cnet.com/tech/services-and-software/ai-overviews-are-taking-over-google-search-how-to-turn-it-off/
AND:
* Install these Chromium/Chrome [+ alternatives/derivatives/forks/variants] extensions [free]:
http://chromewebstore.google.com/search/disable%20remove%20ai
- Bye Bye, Google AI: Turn off Google AI Overviews, Discussions and Ads,
http://chromewebstore.google.com/detail/bye-bye-google-ai-turn-of/imllolhfajlbkpheaapjocclpppchggc
OR:
- Disable AI Overview | Turn Off AI Overview,
http://chromewebstore.google.com/detail/disable-ai-overview-turn/jledohjahnkncbmnfmbnaophlakhoanl
OR:
- Hide Google AI Overviews,
http://chromewebstore.google.com/detail/hide-google-ai-overviews/neibhohkbmfjninidnaoacabkjonbahn
OR:
- uBlock Origin (uBO):
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads (%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved .crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
-> go to uBO "My filters" tab

chrome-extension://cjpalhdlnbpafiamejdnhcphjbkeiagm/dashboard.html#1p-filters.html
-> check "Enable my custom filters" -> inside the box below the last entry on an empty line -> highlight/select entire string of text between "snippity-snip" lines below -> copy it [hold Ctrl + press C] & then paste it [hold Ctrl + press V]
----------snippity-snip----------
google.com##.hdzaWe
google.com##.GcKpu
google.com##.M8OgIe
google.com##.Beswgc
google.com##.sgeDesktopFabRoot
google.com##.XVMlrc > .mXwfNd > .R1QWuf
google.com##.C6AK7c.XVMlrc > .mXwfNd > .R1QWuf
google.com##.u4Uk3c > span
google.com##.C6AK7c.XVMlrc > .mXwfNd > .mVH5Fc > .R1QWuf
www.google.com##.hdzaWe
www.google.com##.GcKpu
www.google.com##.M8OgIe
www.google.com##.Beswgc
www.google.com##.sgeDesktopFabRoot
www.google.com##.XVMlrc > .mXwfNd > .R1QWuf
www.google.com##.C6AK7c.XVMlrc > .mXwfNd > .R1QWuf
www.google.com##.u4Uk3c > span
www.google.com##.C6AK7c.XVMlrc > .mXwfNd > .mVH5Fc > .R1QWuf
----------snippity-snip----------
-> click/touch "Apply changes" button -> see this image as example:
http://www.mdgx.com/nogglai_uBO.jpg
FYI:
****
Chromium based alternatives/derivatives/forks/variants web browsers with future MV2 support for popular adblocker extensions, including uBlock Origin (uBO):
- Supermium:
http://www.win32subsystem.live/supermium/
- Thorium:
http://thorium.rocks/
- Brave:
http://brave.com/
OR:
- LeechBlock NG
http://chromewebstore.google.com/detail/leechblock-ng/blaaajhemilngeeffpbfkdjjoefldkok
-> go to LeechBlock NG internal Options page
chrome-extension://blaaajhemilngeeffpbfkdjjoefldkok/options.html
-> inside "Enter the domain names of the sites to block (one item per line):" box below the last entry [if any] on an empty line -> highlight/select entire string of text between "snippity-snip" lines below -> copy it [hold Ctrl + press C] & then paste it [hold Ctrl + press V]
----------snippity-snip----------
*.appsgenaiserver-pa.clients6.google.com
*.www.appsgenaiserver-pa.clients6.google.com
*.appsgenaiserver-pa.googleapis.com
*.www.appsgenaiserver-pa.googleapis.com
*.gemini.google.com
*.www.gemini.google.com
*.gemini.google
*.www.gemini.google
*.generativelanguage.googleapis.com
*.www.generativelanguage.googleapis.com
*.ai.google
*.www.ai.google
----------snippity-snip----------
-> click "Save Options" button at the bottom.
OR:
* Customize Chromium/Chrome [+ alternatives/derivatives/forks/variants] Search Engine Settings:
In URL address bar (omnibox) type + go to "Manage search engines and site search"
chrome://settings/searchEngines/
-> under "Site Search" click Add button -> under "Search engine" type "Custom Search" (keep it short, any name works) -> under "Shortcut" type an easy to memorize (combination of) 1 or maximum 2 letters/numbers -> in the box under "URL with %s in place of query" copy [hold Ctrl + press C] & paste [hold Ctrl + press V], OR type this entire string of text [see this image as example: http://www.mdgx.com/nogglai.jpg]
{google:baseURL}/search?udm=14&q=%s
-> click/touch Add button -> click/touch vertical ellipsis (3 vertical dots) "More actions" menu next to newly created search engine -> select "Make default" -> go to "Appearance"
chrome://settings/appearance/
-> turn ON/slide right "Show Home button".
FYI:
"udm=14" URL request parameter followed by your desired search keyword(s)/term(s) ["q=%s" parameter] directs Google search engine API to perform only "Web" queries ["q"]. Without specifying a "udm" parameter the engine API defaults to "All".
OR:
* Turn ØFF A.I. comments/promos/reviews/etc in Google search: add " -AI" to search field keywords:
http://www.zdnet.com/article/this-absurdly-simple-trick-turns-off-ai-in-your-google-search-results/
Example:
http://www.google.com/search?q=keyword+-AI
Also:
* Chromium/Chrome [or alternative/derivative/fork/variant] web browser -> go to "Manage search engines and site search"
chrome://settings/searchEngines/

-> scroll down to "Site Search" -> click vertical ellipsis (3 vertical dots) right side of Gemini
[https://gemini.google.com/app] (if present) -> click "Deactivate" -> Gemini should appear under "Inactive shortcuts".
* Delete/turn ØFF Google Gemini (a.k.a. Genie) A.I. chatbot app search results activity + history:
http://anhome.tech/blog/tech-tips/how-to-turn-off-gemini-google/
http://support.google.com/gemini/answer/13278892/
http://support.google.com/a/answer/14571493/
* Turn ØFF Google A.I. chatbot overviews on Android + iOS cellular/mobile/wireless devices/phones/portables/tablets/etc,
http://www.tomshardware.com/software/google-chrome/bye-bye-ai-how-to-block-googles-annoying-ai-overviews-and-just-get-search-results/#how-to-block-google-ai-overviews-on-android-ios-3
also here:
http://www.searchlogistics.com/learn/seo/disable-google-ai-overviews/#3_How_To_Disable_Google_AI_Overviews_On_Android_IOS_Devices
and here:
http://tenbluelinks.org/
ALTERNATIVES:
- MDGx: "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS
- &udm=14: A.I. free search
http://udm14.com/
- MDGx: "Google Web Search Ø A.I. [udm=14]"
http://www.mdgx.com/srx/ggl.htm

* FIX: Disable/turn ØFF Google "A.I. chatbot overviews" + "Ask anything with AI Mode" in Firefox [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/links.htm#AI0GF
http://superuser.com/questions/7327/#1756774
http://arstechnica.com/gadgets/2024/05/google-searchs-udm14-trick-lets-you-kill-ai-search-for-good/
http://www.dexerto.com/tech/how-to-turn-off-ai-in-google-search-results-2728486/
http://www.bleepingcomputer.com/news/google/frustration-grows-over-googles-ai-overviews-feature-how-to-disable/
http://www.tomshardware.com/software/google-chrome/bye-bye-ai-how-to-block-googles-annoying-ai-overviews-and-just-get-search-results/
http://www.youtube.com/watch?v=P7NHABs76mg
http://www.youtube.com/watch?v=ro130m-f_yk
http://techcrunch.com/2025/05/02/ai-chatbots-are-juicing-engagement-instead-of-being-useful-instagram-co-founder-warns/
http://techcrunch.com/2025/05/02/google-will-soon-start-letting-kids-under-13-use-its-gemini-chatbot/
FYI:
Ars Technica: Lawsuit: Google Gemini sent man on violent missions, set suicide "countdown":
http://arstechnica.com/tech-policy/2026/03/lawsuit-google-gemini-sent-man-on-violent-missions-set-suicide-countdown/
Ars Technica: How often do AI chatbots lead users down a harmful path?:
http://arstechnica.com/ai/2026/01/how-often-do-ai-chatbots-lead-users-down-a-harmful-path/
Futurism: People Are Being Involuntarily Committed, Jailed After Spiraling Into "ChatGPT Psychosis":
http://futurism.com/commitment-jail-chatgpt-psychosis/
Futurism: People Are Becoming Obsessed with ChatGPT and Spiraling Into Severe Delusions:
http://futurism.com/chatgpt-mental-health-crises/
Rolling Stone: People Are Losing Loved Ones to A.I. Fueled Spiritual Fantasies:
http://www.rollingstone.com/culture/culture-features/ai-spiritual-delusions-destroying-human-relationships-1235330175/
Futurism: Analysis Finds That Google's AI Overviews Are Providing Misinformation at a Scale Possibly Unprecedented in the History of Human Civilization:
http://futurism.com/artificial-intelligence/google-ai-overviews-misinformation/
Popular Science: Study: Google's AI Overviews show millions of wrong answers every hour:
http://www.popsci.com/technology/ai-overview-inaccuracy-google/
TechCrunch: Google's most recent Gemini A.I. model scores worse on safety:
http://techcrunch.com/2025/05/02/one-of-googles-recent-gemini-ai-models-scores-worse-on-safety/
The Guardian: Google AI Overviews cite YouTube more than any medical site for health queries, study suggests:
http://www.theguardian.com/technology/2026/jan/24/google-ai-overviews-youtube-medical-citations-study/
Ars Technica: The hidden cost of Google's AI defaults and the illusion of choice:
http://arstechnica.com/ai/2026/04/googles-privacy-maze-how-gemini-traps-you-and-your-data/
NEWS:
Google [Alphabet] finally admitted publicly [after repeated pressure from reporting media + the public!] that their buggy, faulty, untested "A.I. overviews" software makes mistakes, but they did NOT remove it in order to "overview"/review/verify + correct/improve accuracy, correctitude, factuality, truth, validity, and to eliminate *dangerous*, *harmful*, *life threatening*, misleading A.I. delusional/confabulating/hallucinating advice, information and obvious, blatant errors.
http://en.wikipedia.org/wiki/Hallucination_(artificial_intelligence)
Google Help: AI Overviews in Search results:
http://support.google.com/websearch/answer/14901683/
-> "Important: AI responses may include mistakes. Learn about generative AI and its limitations."
So now they are blaming inherent "A.I. limitations" for their carelessness, ignorance, incompetence, ineptitude, laziness, all in the pursuit of quick profit at the expense of everyone's safety...
http://support.google.com/websearch/answer/13954172/
ßUGs:
*****
Google changed front/main search page without giving users any choice!
http://arstechnica.com/gadgets/2024/05/google-search-adds-web-filter-as-it-pivots-to-ai-focused-search-results/
Search results space has been taken over by their "A.I. chatbot overviews" + "Ask anything with AI Mode" (whose sole purpose is invasive for profit advertisement/marketing/monetization/promotion/sales + auditing/fingerprinting/spying/surveillance/tracking, and in most cases exaggerated, inaccurate, incorrect, misleading, or worse... *dangerous*, *harmful* advice!),
http://www.theguardian.com/technology/2026/jan/02/google-ai-overviews-risk-harm-misleading-health-information/
http://www.extremetech.com/internet/google-search-ai-is-giving-users-catastrophic-instructions/
http://futurism.com/the-byte/google-admits-ai-search-feature-dumpster-fire/
http://arstechnica.com/ai/2024/06/googles-ai-overviews-misunderstand-why-people-use-google/
http://arstechnica.com/information-technology/2024/05/googles-ai-overview-can-give-false-misleading-and-dangerous-answers/

and you have to scroll down a lot, or even go to the next page/screen/viewport so you can reach the actual list of links containing answers/documents/files/pages/sites/etc pertaining to your search query. :-(
FIXes:
******
* Disable/turn ØFF Google Search "Ask anything with AI Mode" powered by Google Gemini A.I. chatbot:
http://support.google.com/websearch/answer/16011537/
More info:
http://www.theregister.com/2025/03/06/google_launches_ai_mode_for/
You must be logged on/signed in into (1 of) your Android/Chrome/Gmail/Google/YouTube account(s) [if more than 1] -> launch/open/run/start (any of) your default/favorite web browser(s)
http://www.mdgx.com/nettoys.htm#NET
[if more than 1] -> go to
http://labs.google.com/search/experiment/22
OR to
http://labs.google.com/search/experiments/
OR to
http://labs.google.com/search/
-> click/touch "Ask anything with AI Mode" -> turn ØFF/slide left "Turn this experiment on or off" OR "Ask anything with AI Mode" -> optional: log off/sign out of your current Android/Chrome/Gmail/Google/YouTube account.
* Google search A.I. overviews should be [theoretically, but not practically :-(] enabled/turned ON *only* if you are already logged on/signed in into (1 of) your Google account(s) (if you have any).
In such cases you can turn it ØFF: go to "AI Overviews and more" Search Labs experiment
http://labs.google.com/search/experiment/1
OR to
http://labs.google.com/search/experiments/
OR to
http://labs.google.com/search/
-> click/touch "AI Overviews and more" -> in the next screen turn ØFF/slide left "Turn this experiment on or off. Turning this off does not disable AI Overviews in Search outside of Labs" -> log off/sign out of your current Google account.
More info:
http://support.google.com/websearch/answer/13572151/
http://www.cnet.com/tech/services-and-software/ai-overviews-are-taking-over-google-search-how-to-turn-it-off/
AND:
* Install these Firefox [+ alternatives/derivatives/forks/variants] add-ons (examples) [free]:
http://addons.mozilla.org/firefox/search/?q=hide+google+ai
- Hide Google AI Overviews,
http://addons.mozilla.org/firefox/addon/hide-google-ai-overviews/
OR:
- Bye Bye AI,
http://addons.mozilla.org/firefox/addon/byebyeai/
OR:
- Remove Google AI Overview,
http://addons.mozilla.org/firefox/addon/remove-google-ai-overview/
OR:
- No google AI search
http://addons.mozilla.org/firefox/addon/nogoogleai/
-> in your URL address bar (quantumbar, urlbar) type + go to "Extensions"
about:addons
-> under "Enabled" section click/touch "NoGoogleAi" add-on -> click/touch Details tab -> check "Run in Private Windows" "Allow" box -> click/touch Permisisons tab -> under "Optional permissions for added functionality:" turn ON/slide right all/any "Access your data for..." domain(s)/site(s) that match your needs/preferences [recommended to enable all of them].
OR:
* Add custom Firefox [or alternative/derivative/fork/variant] search engine + make it the default:
In your URL address bar (quantumbar, urlbar) type + go to
about:config
[see Firefox Configuration Editor: http://support.mozilla.org/kb/about-config-editor-firefox/]
-> in the "Search preference name" bar copy [hold Ctrl + press C] & paste [hold Ctrl + press V], OR type this entire string of text
browser.urlbar.update2.engineAliasRefresh
-> click/touch rightmost "+" button to make it display "true" as default value -> in your URL address bar (quantumbar, urlbar) type + go to
about:preferences#search
-> under "Search Shortcuts" click/touch "Add" button at the bottom -> in the box under "Search engine name" type (example)
GoogleNØAI
-> in the box under "Engine URL, use %s in place of the search item" copy [hold Ctrl + press C] & paste [hold Ctrl + press V], OR type this entire string of text [see this image as example: http://www.mdgx.com/nogglai_Ffox.jpg]
http://www.google.com/search?udm=14&q=%s
-> optionally in the box under "Alias" type an easy to memorize (combination of) 1 or maximum 2 letters/numbers shortcut (example)
07
[see Assign Shortcuts to Search Engines in Firefox: http://support.mozilla.org/kb/assign-shortcuts-search-engines/]
-> click/touch "Add Engine" button -> in your URL address bar (quantumbar, urlbar) type + go to
about:preferences#search
[see Add/Remove Search Engines in Firefox: http://support.mozilla.org/kb/add-or-remove-search-engine-firefox/]
-> under "Default Search Engine" click/touch drop down menu arrow head [v] -> select your newly created "GoogleNØAI" search engine.
FYI:
"udm=14" URL request parameter followed by your desired search keyword(s)/term(s) ["q=%s" parameter] directs Google search engine API to perform only "Web" queries ["q"]. Without specifying a "udm" parameter the engine API defaults to "All".
OR:
* Add custom Firefox [or alternative/derivative/fork/variant] bookmark to your Bookmarks Toolbar:
http://support.mozilla.org/kb/add-or-remove-search-engine-firefox/

In your URL address bar (quantumbar, urlbar) type + go to [example of search query using earth globe emoji/icon/smiley/symbol, can be replaced by any keyword/letter/number/phrase/term/symbol]
http://www.google.com/search?udm=14&q=%F0%9F%8C%8E
-> click/touch rightmost 5 pointed star "Bookmark this page" icon/symbol inside the URL address bar to bring up the "Edit bookmark" menu -> in the box under "Name" type
GoogleNØAI
[example, any name works, or you can leave it alone] -> under "Location" select "Bookmarks Toolbar" -> click/touch "Save" button.
From now on use this newly created bookmark in order to avoid annoying Google A.I. chatbot from interfering with your searches.
OR:
* Install uBlock Origin (uBO) add-on:
http://addons.mozilla.org/firefox/addon/ublock-origin/
-> go to uBO "My filters" tab -> check "Enable my custom filters"
moz-extension://10e7f7bc-646d-497e-ac97-f97e89ee8359/dashboard.html#1p-filters.html
-> inside the box below the last entry on an empty line -> highlight/select entire string of text between "snippity-snip" lines below -> copy it [hold Ctrl + press C] & then paste it [hold Ctrl + press V]
----------snippity-snip----------
google.com##.hdzaWe
google.com##.GcKpu
google.com##.M8OgIe
google.com##.Beswgc
google.com##.sgeDesktopFabRoot
google.com##.XVMlrc > .mXwfNd > .R1QWuf
google.com##.C6AK7c.XVMlrc > .mXwfNd > .R1QWuf
google.com##.u4Uk3c > span
google.com##.C6AK7c.XVMlrc > .mXwfNd > .mVH5Fc > .R1QWuf
www.google.com##.hdzaWe
www.google.com##.GcKpu
www.google.com##.M8OgIe
www.google.com##.Beswgc
www.google.com##.sgeDesktopFabRoot
www.google.com##.XVMlrc > .mXwfNd > .R1QWuf
www.google.com##.C6AK7c.XVMlrc > .mXwfNd > .R1QWuf
www.google.com##.u4Uk3c > span
www.google.com##.C6AK7c.XVMlrc > .mXwfNd > .mVH5Fc > .R1QWuf
----------snippity-snip----------
-> click/touch "Apply changes" button -> see this image as example:
http://www.mdgx.com/nogglai_uBO_Ffox.jpg
OR:
- LeechBlock NG
http://addons.mozilla.org/firefox/addon/leechblock-ng/
-> go to LeechBlock NG internal Options page
moz-extension://729cdfbc-184d-42fc-8544-11f03dce91a1/options.html
-> inside "Enter the domain names of the sites to block (one item per line):" box below the last entry [if any] on an empty line -> highlight/select entire string of text between "snippity-snip" lines below -> copy it [hold Ctrl + press C] & then paste it [hold Ctrl + press V]
----------snippity-snip----------
*.appsgenaiserver-pa.clients6.google.com
*.www.appsgenaiserver-pa.clients6.google.com
*.appsgenaiserver-pa.googleapis.com
*.www.appsgenaiserver-pa.googleapis.com
*.gemini.google.com
*.www.gemini.google.com
*.gemini.google
*.www.gemini.google
*.generativelanguage.googleapis.com
*.www.generativelanguage.googleapis.com
*.ai.google
*.www.ai.google
----------snippity-snip----------
-> click "Save Options" button at the bottom.
OR:
* Turn ØFF A.I. comments/promos/reviews/etc in Google search: add " -AI" to search field keywords:
http://www.zdnet.com/article/this-absurdly-simple-trick-turns-off-ai-in-your-google-search-results/
Example:
http://www.google.com/search?q=keyword+-AI
Also:
* Firefox [or alternative/derivative/fork/variant] web browser -> go to "Search"
about:preferences#search
-> scroll down to "Search Shortcuts" -> click down arrow symbol left side of Gemini [https://gemini.google.com/app] (if present) -> Gemini should be gone from list of alternative search engines which appears below address/URL bar during search.
* Delete/turn ØFF Google Gemini (a.k.a. Genie) A.I. chatbot app search results activity + history:
http://anhome.tech/blog/tech-tips/how-to-turn-off-gemini-google/
http://support.google.com/gemini/answer/13278892/
http://support.google.com/a/answer/14571493/
* Turn ØFF Google A.I. chatbot overviews on Android + iOS cellular/mobile/wireless devices/phones/portables/tablets/etc,
http://www.tomshardware.com/software/google-chrome/bye-bye-ai-how-to-block-googles-annoying-ai-overviews-and-just-get-search-results/#how-to-block-google-ai-overviews-on-android-ios-3
also here:
http://www.searchlogistics.com/learn/seo/disable-google-ai-overviews/#3_How_To_Disable_Google_AI_Overviews_On_Android_IOS_Devices
and here:

http://tenbluelinks.org/
ALTERNATIVES:
- MDGx: "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS
- &udm=14: A.I. free search
http://udm14.com/
- MDGx: "Google Web Search Ø A.I. [udm=14]"
http://www.mdgx.com/srx/ggl.htm

* FIX: Turn OFF/disable annoying YouTube anti-AdBlocker popups which prevent video playback in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers:
http://www.reddit.com/r/youtube/comments/178gqxe/
FYI:
- uBlock YouTube Solutions: Detection, Ads or site Breakages [custom filters]:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/youtube/#wiki_anti-adblock
- uBlock: YouTube Anti-Adblock and Ads [custom filters]:
http://www.reddit.com/r/uBlockOrigin/comments/163cy47/
- uBlock custom YouTube Filters:
http://forum.scribblehub.com/threads/these-youtube-filters-are-super-neat.19125/
- uBlock custom Filters for YouTube search + home page Annoyances:
http://gist.github.com/ignaciocastro/9e7552b2c011752548becbcad9596579/
- uBlock custom YouTube Filters to block YouTube recommended videos:
http://superuser.com/questions/1165319/
1. Install uBlock Origin (uBO) extension:
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads (%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved .crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
FYI:
****
Chromium based alternatives/derivatives/forks/variants web browsers with future MV2 support for popular adblocker extensions, including uBlock Origin (uBO):
- Supermium:
http://www.win32subsystem.live/supermium/
- Thorium:
http://thorium.rocks/
- Brave:
http://brave.com/
2. Go to uBlock Origin (uBO) "My filters" tab -> check "Enable my custom filters"
chrome-extension://cjpalhdlnbpafiamejdnhcphjbkeiagm/dashboard.html#1p-filters.html
3. Copy & paste this entire string of text between "snippity-snip" lines into the box below the last entry on an empty line
-> click "Apply changes" button:
----------snippity-snip----------
youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
youtube.com##+js(set,Object.prototype.adBlocksFound,0)
youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
youtube.com##.ytp-miniplayer-scrim
youtube.com##.ytp-miniplayer-ui
youtube.com##.ytd-miniplayer.style-scope.metadata
youtube.com##.ytd-miniplayer.style-scope.miniplayer
youtube.com##.ytp-cards-teaser
www.youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
www.youtube.com##+js(set,Object.prototype.adBlocksFound,0)
www.youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
www.youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
www.youtube.com##.ytp-miniplayer-scrim
www.youtube.com##.ytp-miniplayer-ui
www.youtube.com##.ytd-miniplayer.style-scope.metadata
www.youtube.com##.ytd-miniplayer.style-scope.miniplayer
www.youtube.com##.ytp-cards-teaser
google.*##^script:has-text(consentCookiePayload)
google.*##+js(acis, document.cookie, YES+)
google.*##+js(aeld, DOMContentLoaded, CONSENT)
google.*##[id^="eob_"]
www.google.*##^script:has-text(consentCookiePayload)
www.google.*##+js(acis, document.cookie, YES+)
www.google.*##+js(aeld, DOMContentLoaded, CONSENT)
www.google.*##[id^="eob_"]
||accounts.google.com/gsi/*
||accounts.google.com/gsi/*$xhr,script,3p
||accounts.google.com/gsi/iframe/select?client_id=*.apps.googleusercontent.com
www.youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)

youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
www.youtube.com##.ytd-popup-container.style-scope > .ytd-checkbox-survey-renderer.style-scope
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youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
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youtube.com##+js(set, ytInitialData.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer.forceConsent, false)
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4. Must be already logged on/signed in with your Android/Chrome/Gmail/Google/YouTube account.
5. Install TamperMonkey extension:
http://chromewebstore.google.com/detail/tampermonkey/dhdgffkkebhmkfjojejmpbldmpobfkfo
6. Go to TamperMonkey "Settings" tab:
chrome-extension://dhdgffkkebhmkfjojejmpbldmpobfkfo/options.html#nav=settings
-> "General" section -> UNcheck "Anonymous statistics" -> "Config mode:" check "Advanced".
7. Install these user JavaScripts (JS):
- Remove Youtube Adblock Warnings!
https://update.greasyfork.org/scripts/477390/Remove%20Youtube%20Adblock%20Warnings%21.user.js
- YouTube Anti-Anti-Adblock [removes annoying anti-AdBlock YouTube pop-ups]
http://greasyfork.org/scripts/478457-youtube-anti-anti-adblock/
8. Go to uBlock Origin (uBO) "Filter lists" tab:
chrome-extension://cjpalhdlnbpafiamejdnhcphjbkeiagm/dashboard.html#1p-filters.html
-> scroll all the way down 2 the bottom -> click down arrow next to "> Import..." -> copy & paste
https://github.com/kboghdady/youTube_ads_4_pi-hole/blob/master/youtubelist.txt
in the box under "> Import..." -> click "Apply changes" button.

* FIX: Turn OFF/disable annoying YouTube anti-AdBlocker popups which prevent video playback in Firefox [+
alternatives/derivatives/forks/variants] web browsers:
http://www.reddit.com/r/youtube/comments/178gqxe/
FYI:
- uBlock YouTube Solutions: Detection, Ads or site Breakages [custom filters]:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/youtube/#wiki_anti-adblock
- uBlock: YouTube Anti-Adblock and Ads [custom filters]:
http://www.reddit.com/r/uBlockOrigin/comments/163cy47/
- uBlock custom YouTube Filters:
http://forum.scribblehub.com/threads/these-youtube-filters-are-super-neat.19125/
- uBlock custom Filters for YouTube search + home page Annoyances:
http://gist.github.com/ignaciocastro/9e7552b2c011752548becbcad9596579/
- uBlock custom YouTube Filters to block YouTube recommended videos:
http://superuser.com/questions/1165319/
1. Install uBlock Origin (uBO) add-on:
http://addons.mozilla.org/firefox/addon/ublock-origin/
2. Go to uBlock Origin (uBO) "My filters" tab
moz-extension://10e7f7bc-646d-497e-ac97-f97e89ee8359/dashboard.html#1p-filters.html
-> check "Enable my custom filters".
3. Copy & paste this entire string of text between "snippity-snip" lines into the box below the last entry on an empty line
-> click "Apply changes" button:
----------snippity-snip----------
youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
youtube.com##+js(set,Object.prototype.adBlocksFound,0)
youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
youtube.com##.ytp-miniplayer-scrim
youtube.com##.ytp-miniplayer-ui
youtube.com##.ytd-miniplayer.style-scope.metadata
youtube.com##.ytd-miniplayer.style-scope.miniplayer
youtube.com##.ytp-cards-teaser
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www.youtube.com##.ytp-cards-teaser
google.*##^script:has-text(consentCookiePayload)
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google.*##+js(aeld, DOMContentLoaded, CONSENT)
google.*##[id^="eob_"]
www.google.*##^script:has-text(consentCookiePayload)
www.google.*##+js(acis, document.cookie, YES+)
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||accounts.google.com/gsi/*$xhr,script,3p
||accounts.google.com/gsi/iframe/select?client_id=*.apps.googleusercontent.com
www.youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-
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promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
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youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
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----------snippity-snip----------
4. Must be already logged on/signed in with your Android/Chrome/Gmail/Google/YouTube account.
5. Install TamperMonkey add-on:
http://addons.mozilla.org/firefox/addon/tampermonkey/
6. Go to TamperMonkey "Settings" tab:
moz-extension://dhdgffkkebhmkfjojejmpbldmpobfkfo/options.html#nav=settings
-> "General" section -> UNcheck "Anonymous statistics" -> "Config mode:" check "Advanced".
7. Install these user JavaScripts (JS):
- Remove Youtube Adblock Warnings!
https://update.greasyfork.org/scripts/477390/Remove%20Youtube%20Adblock%20Warnings%21.user.js
- YouTube Anti-Anti-Adblock [removes annoying anti-AdBlock YouTube pop-ups]
http://greasyfork.org/scripts/478457-youtube-anti-anti-adblock/
8. Go to uBlock Origin (uBO) "Filter lists" tab:
moz-extension://10e7f7bc-646d-497e-ac97-f97e89ee8359/dashboard.html#1p-filters.html
-> scroll all the way down 2 the bottom -> click down arrow next to "> Import..." -> copy & paste
https://github.com/kboghdady/youTube_ads_4_pi-hole/blob/master/youtubelist.txt
in the box under "> Import..." -> click "Apply changes" button.

* FIX: Turn OFF/disable annoying YouTube mini player popout (lower right corner) in Chromium/Chrome [+
alternatives/derivatives/forks/variants] web browsers:
http://support.google.com/youtube/thread/4971508/
FYI:
- uBlock YouTube Solutions: Detection, Ads or site Breakages [custom filters]:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/youtube/#wiki_anti-adblock
- uBlock: YouTube Anti-Adblock and Ads [custom filters]:
http://www.reddit.com/r/uBlockOrigin/comments/163cy47/
- uBlock custom YouTube Filters:
http://forum.scribblehub.com/threads/these-youtube-filters-are-super-neat.19125/
- uBlock custom Filters for YouTube search + home page Annoyances:
http://gist.github.com/ignaciocastro/9e7552b2c011752548becbcad9596579/
- uBlock custom YouTube Filters to block YouTube recommended videos:
http://superuser.com/questions/1165319/
1. Install uBlock Origin (uBO) extension:
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep
anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads
(%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved
.crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
FYI:
```

****
Chromium based alternatives/derivatives/forks/variants web browsers with future MV2 support for popular adblocker extensions, including uBlock Origin (uBO):
- Supermium:
http://www.win32subsystem.live/supermium/
- Thorium:
http://thorium.rocks/
- Brave:
http://brave.com/
2. Go to uBlock Origin (uBO) "My filters" tab -> check "Enable my custom filters"
chrome-extension://cjpalhdlnbpafiamejdnhcphjbkeiagm/dashboard.html#1p-filters.html
3. Copy & paste this entire string of text between "snippity-snip" lines into the box below the last entry on an empty line -> click "Apply changes" button:
----------snippity-snip----------
youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
youtube.com##+js(set,Object.prototype.adBlocksFound,0)
youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
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google.*##^script:has-text(consentCookiePayload)
google.*##+js(acis, document.cookie, YES+)
google.*##+js(aeld, DOMContentLoaded, CONSENT)
google.*##[id^="eob_"]
www.google.*##^script:has-text(consentCookiePayload)
www.google.*##+js(acis, document.cookie, YES+)
www.google.*##+js(aeld, DOMContentLoaded, CONSENT)
www.google.*##[id^="eob_"]
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||accounts.google.com/gsi/*$xhr,script,3p
||accounts.google.com/gsi/iframe/select?client_id=*.apps.googleusercontent.com
www.youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
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youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
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www.youtube.com###feedback
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||youtube.com^$csp=worker-src 'none'
----------snippity-snip----------
4. Install Disable Autoplay for YouTube extension (which also stops the mini player):
http://chromewebstore.google.com/detail/disable-autoplay-for-yout/dinkeiniijmpjehejhedbciaedblhnnk
http://mybrowseraddon.com/disable-autoplay.html
5. Must be already logged on/signed in with your Android/Chrome/Gmail/Google/YouTube account -> go to YouTube Playback and performance settings:
http://www.youtube.com/account_playback/
-> turn OFF/slide left "Inline playback" [DISCONTINUED!].

* FIX: Turn OFF/disable annoying YouTube mini player popout (lower right corner) in Firefox [+ alternatives/derivatives/forks/variants] web browsers:
http://support.google.com/youtube/thread/4971508/

FYI:
- uBlock YouTube Solutions: Detection, Ads or site Breakages [custom filters]:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/youtube/#wiki_anti-adblock
- uBlock: YouTube Anti-Adblock and Ads [custom filters]:
http://www.reddit.com/r/uBlockOrigin/comments/163cy47/
- uBlock custom YouTube Filters:
http://forum.scribblehub.com/threads/these-youtube-filters-are-super-neat.19125/
- uBlock custom Filters for YouTube search + home page Annoyances:
http://gist.github.com/ignaciocastro/9e7552b2c011752548becbcad9596579/
- uBlock custom YouTube Filters to block YouTube recommended videos:
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1. Install Block YouTube Miniplayer add-on:
http://addons.mozilla.org/firefox/addon/block-yt-miniplayer/
2. Install uBlock Origin (uBO) add-on:
http://addons.mozilla.org/firefox/addon/ublock-origin/
3. Go to uBlock Origin (uBO) "My filters" tab -> check "Enable my custom filters".
4. Copy & paste this entire string of text between "snippity-snip" lines into the box below the last entry on an empty line
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youtube.com##.ytp-miniplayer-ui
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google.*##^script:has-text(consentCookiePayload)
google.*##+js(acis, document.cookie, YES+)
google.*##+js(aeld, DOMContentLoaded, CONSENT)
google.*##[id^="eob_"]
www.google.*##^script:has-text(consentCookiePayload)
www.google.*##+js(acis, document.cookie, YES+)
www.google.*##+js(aeld, DOMContentLoaded, CONSENT)
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||accounts.google.com/gsi/iframe/select?client_id=*.apps.googleusercontent.com
www.youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
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||youtube.com^$csp=worker-src 'none'
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5. Must be already logged on/signed in with your Android/Chrome/Gmail/Google/YouTube account -> go to YouTube Playback and performance settings:
http://www.youtube.com/account_playback/
-> turn OFF/slide left "Inline playback" [DISCONTINUED!].

* FIX: Block/disable/stop/turn OFF various

annoying/bothersome/counterproductive/disruptive/interrupting/nagging/time wasting/useless Google + YouTube account, e-mail, enrollment, location, loggin, membership, notification, search, service, subscription, etc dialogs/pop-ups/prompts in your web browser(s) by using the free uBlock Origin (uBO) add-on/extension custom filters:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/#wiki_google_login_dialogs_on_various_pages
http://github.com/uBlockOrigin/uAssets/issues/6826/
http://github.com/uBlockOrigin/uAssets/issues/7636/#issuecomment-716228744
http://www.reddit.com/r/uBlockOrigin/comments/mkrckk/
http://www.reddit.com/r/uBlockOrigin/comments/l9nlp0/comment/glkwkpf/
http://www.reddit.com/r/uBlockOrigin/comments/iu7sn0/comment/g5jgpft/
http://www.reddit.com/r/uBlockOrigin/comments/1i3xopo/
FYI:
- uBlock YouTube Solutions: Detection, Ads or site Breakages [custom filters]:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/youtube/#wiki_anti-adblock
- uBlock: YouTube Anti-Adblock and Ads [custom filters]:
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- uBlock custom YouTube Filters:
http://forum.scribblehub.com/threads/these-youtube-filters-are-super-neat.19125/
- uBlock custom Filters for YouTube search + home page Annoyances:
http://gist.github.com/ignaciocastro/9e7552b2c011752548becbcad9596579/
- uBlock custom YouTube Filters to block YouTube recommended videos:
http://superuser.com/questions/1165319/
- Users of Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browser(s):
http://www.mdgx.com/nettoys.htm#MOZ
1. Access/execute/launch/open/run/start your Chromium/Chrome [or alternative/derivative/fork/variant] web browser.
2. Install uBlock Origin (uBO) extension.
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads (%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved .crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
FYI:
****
Chromium based alternatives/derivatives/forks/variants web browsers with future MV2 support for popular adblocker extensions, including uBlock Origin (uBO):
- Supermium:
http://www.win32subsystem.live/supermium/
- Thorium:
http://thorium.rocks/
- Brave:
http://brave.com/
3. Go to uBO "My filters" tab
chrome-extension://cjpalhdlnbpafiamejdnhcphjbkeiagm/dashboard.html#1p-filters.html
-> check "Enable my custom filters" box -> highlight this entire string of text between "snippity-snip" lines:
----------snippity-snip----------
youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
youtube.com##+js(set,Object.prototype.adBlocksFound,0)
youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
youtube.com##.ytp-miniplayer-scrim
youtube.com##.ytp-miniplayer-ui
youtube.com##.ytd-miniplayer.style-scope.metadata
youtube.com##.ytd-miniplayer.style-scope.miniplayer
youtube.com##.ytp-cards-teaser
www.youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
www.youtube.com##+js(set,Object.prototype.adBlocksFound,0)
www.youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
www.youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
www.youtube.com##.ytp-miniplayer-scrim
www.youtube.com##.ytp-miniplayer-ui
www.youtube.com##.ytd-miniplayer.style-scope.metadata
www.youtube.com##.ytd-miniplayer.style-scope.miniplayer
www.youtube.com##.ytp-cards-teaser
google.*##^script:has-text(consentCookiePayload)
google.*##+js(acis, document.cookie, YES+)
google.*##+js(aeld, DOMContentLoaded, CONSENT)
google.*##[id^="eob_"]
www.google.*##^script:has-text(consentCookiePayload)
www.google.*##+js(acis, document.cookie, YES+)
www.google.*##+js(aeld, DOMContentLoaded, CONSENT)
www.google.*##[id^="eob_"]
||accounts.google.com/gsi/*
||accounts.google.com/gsi/*$xhr,script,3p
||accounts.google.com/gsi/iframe/select?client_id=*.apps.googleusercontent.com
www.youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
www.youtube.com##.ytd-popup-container.style-scope > .ytd-checkbox-survey-renderer.style-scope

youtube.com##.ytd-popup-container.style-scope > .ytd-checkbox-survey-renderer.style-scope
youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
youtube.com##+js(set, ytInitialData.overlay.upsellDialogRenderer.isVisible, false)
youtube.com##+js(json-prune, [].playerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer)
youtube.com##+js(set, ytInitialData.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer.forceConsent, false)
youtube.com##+js(json-prune, [].response.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer)
youtube.com##+js(json-prune, topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer)
www.youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
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www.youtube.com##+js(json-prune, [].response.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer)
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m.youtube.com###feedback
m.youtube.com###container > .ytd-enforcement-message-view-model.style-scope
www.youtube.com###feedback
www.youtube.com###container > .ytd-enforcement-message-view-model.style-scope
||music.youtube.com^$csp=worker-src 'none'
||www.youtube.com^$csp=worker-src 'none'
||youtube.com^$csp=worker-src 'none'
----------snippity-snip----------
-> copy [hold Ctrl + press C] & paste [hold Ctrl + press V] them in the script box below the last entry on the next empty line -> click/touch "Apply changes" button.
- Users of Firefox [+ alternatives/derivatives/forks/variants] web browser(s):
http://www.mdgx.com/nettoys.htm#MOZ
1. Access/execute/launch/open/run/start your Firefox [or alternative/derivative/fork/variant] web browser.
2. Install uBlock Origin (uBO) add-on.
http://addons.mozilla.org/firefox/addon/ublock-origin/
3. Go to uBO "My filters" tab
moz-extension://10e7f7bc-646d-497e-ac97-f97e89ee8359/dashboard.html#1p-filters.html
-> check "Enable my custom filters" box -> highlight this entire string of text between "snippity-snip" lines:
----------snippity-snip----------
youtube.com##+js(set,yt.config_.openPopupConfig.supportedPopups.adBlockMessageViewModel,false)
youtube.com##+js(set,Object.prototype.adBlocksFound,0)
youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
youtube.com##.ytp-miniplayer-scrim
youtube.com##.ytp-miniplayer-ui
youtube.com##.ytd-miniplayer.style-scope.metadata
youtube.com##.ytd-miniplayer.style-scope.miniplayer
youtube.com##.ytp-cards-teaser
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www.youtube.com##+js(set,ytplayer.config.args.raw_player_response.adPlacements,[])
www.youtube.com##+js(set,Object.prototype.hasAllowedInstreamAd,true)
www.youtube.com##.ytp-miniplayer-scrim
www.youtube.com##.ytp-miniplayer-ui
www.youtube.com##.ytd-miniplayer.style-scope.metadata
www.youtube.com##.ytd-miniplayer.style-scope.miniplayer
www.youtube.com##.ytp-cards-teaser
google.*##^script:has-text(consentCookiePayload)
google.*##+js(acis, document.cookie, YES+)
google.*##+js(aeld, DOMContentLoaded, CONSENT)
google.*##[id^="eob_"]
www.google.*##^script:has-text(consentCookiePayload)
www.google.*##+js(acis, document.cookie, YES+)
www.google.*##+js(aeld, DOMContentLoaded, CONSENT)
www.google.*##[id^="eob_"]
||accounts.google.com/gsi/*
||accounts.google.com/gsi/*$xhr,script,3p
||accounts.google.com/gsi/iframe/select?client_id=*.apps.googleusercontent.com
www.youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
youtube.com##ytd-popup-container > tp-yt-paper-dialog > ytd-mealbar-promo-renderer, ytd-popup-container > tp-yt-paper-dialog > yt-mealbar-promo-renderer:has-text(/Claim Offer|Join now|Not Now|No thanks|Try it free|unlimited DVR/)
www.youtube.com##.ytd-popup-container.style-scope > .ytd-checkbox-survey-renderer.style-scope
youtube.com##.ytd-popup-container.style-scope > .ytd-checkbox-survey-renderer.style-scope
youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
youtube.com##+js(set, ytInitialData.overlay.upsellDialogRenderer.isVisible, false)
youtube.com##+js(json-prune, [].playerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer)
youtube.com##+js(set, ytInitialData.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer.forceConsent, false)
youtube.com##+js(json-prune, [].response.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer)
youtube.com##+js(json-prune, topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer)
www.youtube.com##+js(set, ytInitialPlayerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer.isVisible, false)
www.youtube.com##+js(set, ytInitialData.overlay.upsellDialogRenderer.isVisible, false)
www.youtube.com##+js(json-prune, [].playerResponse.auxiliaryUi.messageRenderers.upsellDialogRenderer)
www.youtube.com##+js(set, ytInitialData.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer.forceConsent, false)
www.youtube.com##+js(json-prune, [].response.topbar.desktopTopbarRenderer.interstitial.consentBumpRenderer)
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www.youtube.com###container > .ytd-enforcement-message-view-model.style-scope
||music.youtube.com^$csp=worker-src 'none'
||www.youtube.com^$csp=worker-src 'none'
||youtube.com^$csp=worker-src 'none'
----------snippity-snip----------
-> copy [hold Ctrl + press C] & paste [hold Ctrl + press V] them in the script box below the last entry on the next empty line -> click/touch "Apply changes" button.

* Use a free VPN (Virtual Private Network)/proxy IP (Internet Protocol)/server with Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#CHR
for enhanced/increased anonymity, privacy, protection, safety + security:
Method #1:
****
1. Install a free [avoid free trial, time limited, full of ads/promos, and/or ones with severe restrictions!] VPN/proxy extension from the Chrome Web Store:
- Best Free VPN (Virtual Private Network)/Proxy providers/services/servers for Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/nettoys.htm#VPNC
- Search the Chrome Web Store for a free VPN/proxy extension:
http://chromewebstore.google.com/search/free%20vpn
2. Set up the VPN/proxy extension of your choice and then connect to the IP/server best suited for your specific location, needs, and/or preferences [most have more than 1 IP/server available in their free editions/versions] by following step by step its documentation/guidelines/help/instructions/readme/wiki.
RECOMMENDED:
Turn ON/slide right "Developer mode"
http://www.mdgx.com/devmode.jpg
for all Chromium/Chrome extensions + themes from the Chromium/Chrome extensions internal web page:
chrome://extensions/
Here are a few of the free Chromium/Chrome VPN/proxy extensions I have tested, and found in my experience to be the best of the bunch for my needs + preferences:
http://www.mdgx.com/nettoys.htm#VPNC
CAUTION:
Many domains/web sites have introduced additional verification steps you may have to agree with [mostly Cloudflare check boxes] in order to be allowed access, and unfortunately some domains/web sites even block specific VPN/proxy IPs/servers located in certain countries/continents/regions, or that originate from certain developers/entities/providers. :-(
In such cases you may need to switch to a different available IP/server located somewhere else [if any], or you may even need to install and connect to a different VPN/proxy extension provided by a different entity/service:
http://www.mdgx.com/nettoys.htm#VPNC
http://chromewebstore.google.com/search/free%20vpn
Make sure to disable the blocked/non-working VPN/proxy [if any] from the Chromium/Chrome extensions internal web page
chrome://extensions/
in order to avoid potential conflicts, because only 1 VPN/proxy provider/service can be active/enabled/turned ON at the same time.
Method #2:
****
See these step by step guidelines
http://oxylabs.io/resources/integrations/chrome/
to install + use a free proxy IP/server by using your Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browser interface, and use the proxy IP/server of your choice: go to Chromium/Chrome "System" internal web page
chrome://settings/system/
-> click "Open your computer's proxy settings" external link, which opens Internet Options (Properties) [inetcpl.cpl] Control Panel (CP) applet, the equivalent of running this command line:
CONTROL.EXE inetcpl.cpl
-> click "Connections" tab -> click "Settings" button to install + configure the proxy IP/server of your choice.
Control Panel (CP) executable [CONTROL.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
Free public proxy IPs/servers with high anonymity, decent/full bandwidth/traffic speed + no data/traffic cap/limit:
http://spys.one/
http://www.proxynova.com/proxy-server-list/elite-proxies/
http://geonode.com/free-proxy-list/
http://hide.mn/proxy-list/?anon=4#list
http://proxydb.net/?anonlvl=4
http://github.com/proxifly/free-proxy-list/
http://github.com/TheSpeedX/PROXY-List/
Method #3:
****
Access/execute/launch/open/run/start your Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browser executable [chrome.exe] from the command line [hold WinKey + press R -> paste/type desired command line in the Run... box], or from a dedicated script file, or from a custom link/shortcut (.lnk), and specify your preferred proxy IP/server.
In this example the Chromium/Chrome executable (.exe) is located in its default location after installing Google Chrome.
http://stackoverflow.com/questions/17736215/
There are many free Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers available you can choose from (examples):
http://www.mdgx.com/nettoys.htm#CHR
FYI:
Chromium/Chrome [+ alternatives/derivatives/forks/variants] Privacy, Safety + Security Settings, Extensions, Guides + Solutions:

http://www.mdgx.com/nettoys.htm#PRV
Possible [default] "chrome.exe" locations depending on the Windows build/edition/release/version you are using:
- Windows 7/newer 64-bit (x64) or 32-bit (x86):
C:\Program Files\Google\Chrome\Application\chrome.exe
OR:
C:\Program Files (x86)\Google\Chrome\Application\chrome.exe
- Windows Vista:
C:\Users\UserName\AppDataLocal\Google\Chrome\chrome.exe
- Windows XP [replace generic "Your_User_Name" with your actual user name]:
C:\Documents and Settings\Your_User_Name\Local Settings\Application Data\Google\Chrome\chrome.exe
FYI:
I prefer to use Supermium 64-bit [free, open source]:
Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
Make sure the proxy IP/server you are using supports the HTTPS secure protocol,
http://en.wikipedia.org/wiki/HTTPS
and in case it is required that you specify the port number on its command line [generic example using port 443]:
https://???.???.???.???:443
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
START /B /MAX "C:\Program Files\Google\Chrome\Application\chrome.exe" --ignore-certificate-errors --ignore-ssl-errors --proxy-server=https://???.???.???.???:****
:END
EXIT
```

------End cut & paste here------
Replace all question marks [https://???.???.???.???:****] with the proxy IP/server address of your choice, and the asterisk symbols [****] with corresponding port number [if any].
In case a port number is not needed delete/remove the colon [:] and all asterisks [****] from the command line.
Free public proxy IPs/servers with high anonymity, decent/full bandwidth/traffic speed + no data/traffic cap/limit:
http://spys.one/
http://www.proxynova.com/proxy-server-list/elite-proxies/
http://geonode.com/free-proxy-list/
http://hide.mn/proxy-list/?anon=4#list
http://proxydb.net/?anonlvl=4
http://github.com/proxifly/free-proxy-list/
http://github.com/TheSpeedX/PROXY-List/
More info:
Wikipedia: Virtual Private Network (VPN):
http://en.wikipedia.org/wiki/Virtual_private_network
Wikipedia: Proxy Server:
http://en.wikipedia.org/wiki/Proxy_server

* FIX: Block/decline/disable/stop/turn OFF annoying/bothersome/counterproductive/disruptive/interrupting/nagging/time wasting/useless "Chromium/Chrome isn't your default browser" info bar banner/dialog/message/pop-up/prompt message + "Set as default" button from popping up/reappearing once in a while/periodically/repeatedly in newer builds/editions/releases/versions of Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browser(s):
http://adeeology.my/pc/2024-08-26/stop-chrome-asking-to-be-default-browser/
http://www.elevenforum.com/t/disable-google-chrome-asking-to-be-default-browser-in-windows-11.27008/
http://apple.stackexchange.com/questions/422481/
This can be achieved using 1 of the 3 methods below, or you can apply all 3 [just to be on the safe side in case Chromium developers decide to make changes ;-/]:
Method 1:
****
The Windows registry method...
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Google\Chrome]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Google\Chrome]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\BraveSoftware\Brave]
"DefaultBrowserSettingEnabled"=dword:0
```

```
[HKEY_CURRENT_USER\Software\Policies\BraveSoftware\Brave]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\BraveSoftware\Brave]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Chromium]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Chromium]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Chromium]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Edge]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Microsoft\Edge]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Microsoft\Edge]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Vivaldi]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Vivaldi]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Vivaldi]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\YandexBrowser]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_CURRENT_USER\Software\Policies\YandexBrowser]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\YandexBrowser]
"DefaultBrowserSettingEnabled"=dword:0
;
------End cut & paste here------
Method 2:
*********
The flag setting method...
Execute/launch/open/run/start your Chromium/Chrome [+/- alternatives/derivatives/forks/variants] web browser [1 at a time if
using more than 1 Chromium based web browser(s)] -> in the address/URL bar copy & paste or type this command
chrome://flags/#default-browser-prompt-refresh
-> press Enter to go to "Default Browser Prompt Refresh" [flag setting] -> select Disabled -> relaunch/restart your web
browser.
Repeat all steps above in case you are using more than 1 Chromium based web browser(s).
Flag setting above is only available in certain/newer Chromium based web browser(s)
build(s)/edition(s)/release(s)/version(s) +/- alternative(s)/derivative(s)/fork(s)/variant(s).
Method 3:
*********
The settings file editing method...
Close/exit/shutdown completely all active/open/running (even in the background)/idle/resident instances/tabs/windows of
Chromium/Chrome [+/- alternative(s)/derivative(s)/fork(s)/variant(s)] web browser(s) [if using more than 1] ->
browse/go/scroll to the subdirectory/subfolder located under your active/currently used/open/running Chromium/Chrome user
profile main directory/folder (examples):
%UserProfile%\AppData\Local\Chromium\Default
%UserProfile%\AppData\Roaming\Chromium\Default
OR:
%UserProfile%\AppData\Local\Google\Chrome Beta\Default
%UserProfile%\AppData\Roaming\Google\Chrome Beta\Default
OR:
%UserProfile%\AppData\Local\Google\Chrome SxS\Default
%UserProfile%\AppData\Roaming\Google\Chrome SxS\Default
OR:
%UserProfile%\AppData\Local\Google\Chrome\Default
%UserProfile%\AppData\Roaming\Google\Chrome\Default
OR:
%UserProfile%\AppData\Local\Thorium\Default
%UserProfile%\AppData\Roaming\Thorium\Default
OR:
%UserProfile%\AppData\Local\BraveSoftware\Default
%UserProfile%\AppData\Roaming\BraveSoftware\Default
OR:
%UserProfile%\AppData\Local\Vivaldi\Default
%UserProfile%\AppData\Roaming\Vivaldi\Default
OR:
%UserProfile%\AppData\Local\Supermium\Default
%UserProfile%\AppData\Roaming\Supermium\Default
Under the "Default" subdirectory/subfolder (see examples above) -> edit/open [BACK IT UP 1ST!] text/ASCII (Unicode encoded)
"Preferences" file using Unicode capable/compliant/enabled Notepad/similar/better free(ware) plain text/ASCII editor
http://www.mdgx.com/toy.htm#TXT
-> replace this text string (generic example)
"default_browser_infobar_last_declined":"????????????????"
with this 1
"default_browser_infobar_last_declined":"90000000000000000"
-> save your edited/modified "Preferences" file (Encode: -> Unicode) -> close/exit/shutdown your text editor ->
relaunch/restart your web browser.
Repeat all steps above in case you are using more than 1 Chromium based web browser(s).
[%UserProfile% = usually C:\Users\User_Name (generic default) -> replace all User_Name instances with your actual user
```

name.]
More info:
http://renenyffenegger.ch/notes/Windows/dirs/Users/username/

* Optimize/tweak your internet/network adapter/card/controller/NIC (Network Interface Controller) Ethernet settings for maximum performance, speed + mimimal delay/lag over the internet/network in Windows 7/newer:
A. Using Device Manager [DevMgmt.msc]:
****
Open/run Device Manager -> click Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type DevMgmt.msc
-> press Enter or click OK button -> double-click Network adapters section -> double-click your adapter [name varies depending on brand/manufacturer, generation, model, type, version, etc] -> click Advanced tab -> tweak existing parameters [not all are available and/or some may be different depending on your specific adapter, built-in capabilities/features, connection/link type, provider/service transfer speeds, specifications, etc]:
http://www.digit.in/features/general/tweak-network-adapter-properties-networking-ethernet-wifi-vpn-45243.html
http://helpdesk.flexradio.com/hc/en-us/articles/202118518-Optimizing-Ethernet-Adapter-Settings-for-Maximum-Performance/
http://www.mathworks.com/help/imaq/configure-gigabit-ethernet-network-adapter-on-windows.html
http://supportcenter.pleora.com/s/article/Configuring-Your-Computer-and-Network-Adapters-for-Best-Performance-KBase/
http://windowsreport.com/best-ethernet-settings-for-gaming/
http://techgenix.com/advanced-network-adapter-driver-settings/
http://helpdesk.flexradio.com/hc/articles/202118518/
http://learn.microsoft.com/windows-server/networking/technologies/network-subsystem/net-sub-performance-tuning-nics/
http://steamcommunity.com/sharedfiles/filedetails/?id=727946014
http://www.speedguide.net/articles/3449/
http://www.peerwisdom.org/2013/04/03/large-send-offload-and-network-performance/
http://www.networkworld.com/article/2224722/jumbo-frames.html
http://netcraftsmen.com/just-say-no-to-jumbo-frames/
Settings for Intel ethernet adapters:
http://www.intel.com/content/www/us/en/support/articles/000005593/ethernet-products.html
Device Manager MMC (Microsoft Management Console) snap-in control [DevMgmt.msc] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
B. Using Network Shell [NetSh.exe]:
****
NetSh (Network Shell) tool [%WinDir%\SYSTEM32\NETSH.EXE]:
http://learn.microsoft.com/windows-server/networking/technologies/netsh/netsh/
http://technet.microsoft.com/library/bb490939.aspx
http://www.ss64.com/nt/netsh.html
http://adamtheautomator.com/netsh/
View all NetSh available options, parameters + switches: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
NETSH.EXE /?
... And now let's dig deeper: ;-/
Turn ON Receive Window Auto-Tuning + turn OFF Scaling Heuristics Transmission Control Protocol/Internet Protocol (TCP/IP) parameters to increase/regain decreased speed/slow internet connection(s) in Windows XP/newer:
http://www.majorgeeks.com/content/page/how_to_fix_slow_internet_on_windows_10.html
http://blogs.technet.microsoft.com/networking/2016/08/11/an-update-on-windows-tcp-autotuninglevel/
http://www.techjourney.net/disable-tcp-receive-window-auto-tuning-fix-slow-internet-cannot-load-web-page-cannot-download-email/
http://learn.microsoft.com/troubleshoot/windows-server/networking/receive-window-auto-tuning-for-http/
http://pureinfotech.com/disable-window-auto-tuning-fix-slow-internet-speeds-windows-10/
http://www.speedguide.net/faq/339/
http://www.it-support.com.au/5-ways-to-improve-download-speed/2012/08/
http://therealhelper.blogspot.com/2017/09/you-can-actually-kill-lag-of-any-game.html
- Windows 8/8.1/10/11/newer users:
****
1. Run these commands to turn ON TCP/IP Receive Window Auto-Tuning, turn OFF Scaling Heuristics + turn ON Direct Cache Access (DCA) + NetDMA Direct Memory Access from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
NETSH.EXE interface tcp set global autotuninglevel=normal
NETSH.EXE interface tcp set global dca=enabled netdma=enabled
NETSH.EXE interface tcp set heuristics disabled
NETSH.EXE interface tcp set heuristics wsh=disabled forcews=enabled
NETSH.EXE interface tcp set global rss=enabled rsc=enabled nonsackrttresiliency=enabled
2. Display/show/view your Ethernet adapter interface + TCP/IP connection state/status from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
NETSH.EXE interface tcp show global
NETSH.EXE interface show interface
NETSH.EXE interface ip show config
NETSH.EXE interface ipv4 show config
TCP/IP should be set to normal (Windows NTx default):
Receive Window Auto-Tuning Level   : normal
Example of listed current/installed adapter interfaces including Ethernet [can be active/connected/enabled or inactive/disconnected/disabled, depending on your specific configuration/preferences/settings]:
```
Admin State    State          Type             Interface Name
-------------------------------------------------------------
Enabled        Connected      Dedicated        Ethernet
```
Example of Ethernet adapter interface configuration:
Configuration for interface "Ethernet"

DHCP enabled: Yes
IP Address: ???.???.???.???
3. In case you need to temporarily disable/turn OFF, and then reenable/turn back ON (reset, restore) your Ethernet interface connection to the internet and/or to your network: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line [examples, your adapter interface(s) name(s) may be different]:
NETSH.EXE interface set interface "Ethernet" enabled
NETSH.EXE interface set interface name="Ethernet" admin=enabled
After executing any of these 2 commands above you need to restart/reboot Windows in order to reset the adapter interface.
- Windows XP/Vista/7/7 SP1 users:
****
1. Patch the TCPIP.SYS driver [%WinDir%\SYSTEM32\Drivers\TCPIP.SYS = original file will be backed up] using EvID4226 Limited Connections Patch:
http://www.raymond.cc/blog/tcp-z-is-the-best-tcpip-half-open-connection-limited-patcher/
File:
http://www.raymond.cc/blog/download/did/205/
2. Restart/reboot Windows -> run these commands to turn ON TCP/IP Receive Window Auto-Tuning, turn OFF Scaling Heuristics + turn ON Direct Cache Access (DCA) + NetDMA Direct Memory Access from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
NETSH.EXE interface tcp set global autotuning=normal
NETSH.EXE interface tcp set global dca=enabled netdma=enabled
NETSH.EXE interface tcp set heuristics disabled
NETSH.EXE interface tcp set heuristics wsh=disabled forcews=enabled
NETSH.EXE interface tcp set global rss=enabled chimney=enabled rsc=enabled nonsackrttresiliency=enabled
3. Display/show/view your Ethernet adapter interface + TCP/IP connection state/status from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
NETSH.EXE interface tcp show global
NETSH.EXE interface show interface
NETSH.EXE interface ip show config
NETSH.EXE interface ipv4 show config
TCP/IP should be set to normal (Windows NTx default):
Receive Window Auto-Tuning Level   : normal
Example of listed current/installed adapter interfaces including Ethernet [can be active/connected/enabled or inactive/disconnected/disabled, depending on your specific configuration/preferences/settings]:
Admin State   State   Type   Interface Name

Enabled   Connected   Dedicated   Ethernet
Example of Ethernet adapter interface configuration:
Configuration for interface "Ethernet"
DHCP enabled: Yes
IP Address: ???.???.???.???
4. In case you need to temporarily disable/turn OFF, and then reenable/turn back ON (reset, restore) your Ethernet interface connection to the internet and/or to your network: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line [examples, your adapter interface(s) name(s) may be different]:
NETSH.EXE interface set interface "Ethernet" enabled
NETSH.EXE interface set interface name="Ethernet" admin=enabled
After executing any of these 2 commands above you need to restart/reboot Windows in order to reset the adapter interface.
ßUG:
****
Increase/regain your internet connection speed in case using (older, incompatible) adapters/modems/routers/devices/networks without built-in support for TCP/IP Receive Window Auto-Tuning.
FIX:
****
1. Turn OFF Receive Window Auto-Tuning from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
- Windows 8/8.1/10/11/newer users:
NETSH.EXE interface tcp set global autotuninglevel=disabled
- Windows XP/Vista/7/7 SP1 users:
NETSH.EXE interface tcp set global autotuning=disabled
2. View your TCP/IP connection status parameters from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
NETSH.EXE interface tcp show global
Should be disabled:
Receive Window Auto-Tuning Level   : disabled
RESTORE:
****
In case your internet connection slows down after disabling Receive Window Auto-Tuning TCP/IP parameter:
1. Turn ON Windows Auto-Tuning from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
- Windows 8/8.1/10/11/newer users:
NETSH.EXE interface tcp set global autotuninglevel=normal
- Windows XP/Vista/7/7 SP1 users:
NETSH.EXE interface tcp set global autotuning=normal
2. View your TCP/IP connection status parameters from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
NETSH.EXE interface tcp show global
Should be set to normal (Windows NTx default):
Receive Window Auto-Tuning Level   : normal

* FIX: Extend support for all Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#CHR

MV2 (Manifest Version 2) API (Application Programming Interface) compliant extensions (add-ons), features/functions, (user) JavaScript (JS) script(let)s, etc until summer of 2025, when Google [mainly ad(vertisment) based business] is going to remove it completely, and shall replace it with their new updated, crippling, limiting, restrictive MV3 (Manifest Version 3) API.
@@
Google is transitioning their Chromium/Chrome web browsers to MV3 (Manifest Version 3) API!
This means all older/MV2 compliant extensions, functions, themes, add-ons, (user) JavaScript (JS) scripts(lets), etc will stop working summer 2025!
Wikipedia: Google Chromium/Chrome Manifest Version 3 (MV3):
http://en.wikipedia.org/wiki/Google_Chrome#Manifest_V3
Wikipedia: Criticism of Google Chromium/Chrome Manifest Version 3 (MV3):
http://en.wikipedia.org/wiki/Google_Chrome#Manifest_V3_2
@@
TEMPORARY FIX:
****
Extend MV2 support until summer of 2025.
http://github.com/uBlockOrigin/uBlock-issues/discussions/2987/
Change these Chromium/Chrome [+ alternatives/derivatives/forks/variants] flags settings [some may not be available depending on the web browser(s) version(s) you are using] -> access/execute/launch/open/run/start your Chromium based web browser(s) [if using more than 1] -> go to:
- "Allow Legacy Manifest V2 Extensions":
chrome://flags/#allow-legacy-mv2-extensions
-> Enabled.
- "Extension Manifest V2 Deprecation Warning Stage":
chrome://flags/#extension-manifest-v2-deprecation-warning
-> Disabled.
- "Extension Manifest V2 Deprecation Disabled Stage":
chrome://flags/#extension-manifest-v2-deprecation-disabled
-> Disabled.
- "Extension Manifest V2 Deprecation Unsupported Stage":
chrome://flags/#extension-manifest-v2-deprecation-unsupported
-> Disabled.
Relaunch/restart your web browser(s) [if using more than 1] so all these changes can take effect.
More info:
http://stackoverflow.com/questions/79283218/
http://www.reddit.com/r/chrome/comments/1d799pa/
http://www.reddit.com/r/uBlockOrigin/comments/1d49ud1/
http://www.reddit.com/r/chrome/comments/1dln9ev/
http://www.kazimer.com/how-to-use-manifest-v2-plugins-extensions-until-june-2025-with-extensionmanifestv2availability/
http://chromeenterprise.google/policies/#ExtensionManifestV2Availability
WEB BROWSERS WITH FUTURE SUPPORT 4 MV2:
****
http://www.mdgx.com/nettoys.htm#PRV
A. Chromium based alternatives/derivatives/forks/variants web browsers:
http://www.mdgx.com/nettoys.htm#CHR
- Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
- Thorium 32-bit + 64-bit web browsers for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] hardware 3D, rendering + video playback optimized:
http://thorium.rocks/
Download Thorium Legacy [EXE = mini, Installer +/- ZIP = full, Portable]:
http://github.com/Alex313031/thorium-legacy/releases/latest/
- Brave 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with improved privacy, safety + security and optimized speed:
http://brave.com/
Download [ZIP = full, Portable]:
http://github.com/brave/brave-browser/releases/latest/
B. Firefox [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#MOZ
will continue to support MV2 API indefinitely, and also add MV3 compliance.
http://blog.mozilla.org/addons/2022/05/18/manifest-v3-in-firefox-recap-next-steps/
FYI:
****
Google has started transitioning newer/upcoming versions of Chromium/Chrome web browsers to their new MV3 (Manifest Version 3) API.
http://arstechnica.com/gadgets/2024/08/chromes-manifest-v3-and-its-changes-for-ad-blocking-are-coming-real-soon/
http://www.pcmag.com/news/google-to-start-disabling-ublock-origin-older-chrome-extensions-on-june/
http://www.techradar.com/pro/how-chromes-manifest-v3-will-change-the-game-for-ad-blockers/
This means all older/MV2 compliant extensions, functions, etc will stop working as of summer of 2025!
http://developer.chrome.com/blog/resuming-the-transition-to-mv3/
This will affect primarily all ad-blockers including uBO, AdGuard AdBlocker, AdBlocker Ultimate, etc.
This entire brouhaha
http://www.theregister.com/2024/08/06/chrome_web_store_warns_end/
is due to the fact that Google (Alphabet) got upset with the efficacy of the free, open source Chromium/Chrome ad-blockers + similar ad(vertisement)s/banners/commercials/"experiences"/"offers"/promo(tion)s/"recommendations"/etc [all of whom actually audit, fingerprint, profile, snoop on, spy on, surveil, track all their unaware/unsuspecting users behind their backs, without their approval/authorization/consent/knowledge/permission for marketing/sales purposes by any

deceitful/disguised/forceful/harmful/hidden/intrusive/invasive/subversive/unwanted means possible]
blocking/disabling/filtering/stopping tools, which started to cut out a significant chunk of their profits from advertising,
since ad-blockers, and especially the "dreaded" uBO (uBlock Origin) web browser extension,
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep
anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads
(%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved
.crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
has become the most popular ad blocker in the past 5 years [40+ millions users according to Google Chrome Web Store].
FYI:
****
Chromium based alternatives/derivatives/forks/variants web browsers with future MV2 support for popular adblocker
extensions, including uBlock Origin (uBO):
- Supermium:
http://www.win32subsystem.live/supermium/
- Thorium:
http://thorium.rocks/
- Brave:
http://brave.com/
Other quality ad-blockers (examples):
- AdGuard AdBlocker [16+ millions users according to Google Chrome Web Store]:
http://chromewebstore.google.com/detail/adguard-adblocker/bgnkhhnnamicmpeenaelnjfhikgbkllg
- AdBlocker Ultimate [2+ millions users according to Google Chrome Web Store]:
http://chromewebstore.google.com/detail/adblocker-ultimate/ohahllgiabjaoigichmmfljhkcfikeof
Other examples:
http://chromewebstore.google.com/search/adblock%20adblocker
http://chromewebstore.google.com/category/extensions/make_chrome_yours/privacy
Best replacement for upcoming MV3 versions of Chromium/Chrome [+ alternatives/derivatives/forks/variants]: uBOL (uBlock
Origin Lite) [MV3 compliant *crippled* uBO replacement :-(]:
http://chromewebstore.google.com/detail/ublock-origin-lite/ddkjiahejlhfcafbddmgiahcphecmpfh
2nd best replacement: AdGuard AdBlocker (Beta) [MV3 compliant *crippled* AdGuard AdBlocker replacement :-(]:
http://chromewebstore.google.com/detail/adguard-adblocker-beta/apjcbfpjihpedihablmalmbbhjpklbdf
Registry values below allow all Chromium based [+ alternatives/derivatives/forks/variants] + Chrome web browsers to continue
using all MV2 compliant extensions + scripts until summer of 2025.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\BraveSoftware\Brave]
"ExtensionManifestV2Availability"=dword:2
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Chromium]
"ExtensionManifestV2Availability"=dword:2
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Google\Chrome]
"ExtensionManifestV2Availability"=dword:2
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Edge]
"ExtensionManifestV2Availability"=dword:2
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Vivaldi]
"ExtensionManifestV2Availability"=dword:2
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\YandexBrowser]
"ExtensionManifestV2Availability"=dword:2
;
```

------End cut & paste here------
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
REG.EXE ADD "HKLM\SOFTWARE\Policies\BraveSoftware\Brave" /v ExtensionManifestV2Availability /t REG_DWORD /d 2 /f
REG.EXE ADD "HKLM\SOFTWARE\Policies\Chromium" /v ExtensionManifestV2Availability /t REG_DWORD /d 2 /f
REG.EXE ADD "HKLM\SOFTWARE\Policies\Google\Chrome" /v ExtensionManifestV2Availability /t REG_DWORD /d 2 /f
REG.EXE ADD "HKLM\SOFTWARE\Policies\Microsoft\Edge" /v ExtensionManifestV2Availability /t REG_DWORD /d 2 /f
REG.EXE ADD "HKLM\SOFTWARE\Policies\Vivaldi" /v ExtensionManifestV2Availability /t REG_DWORD /d 2 /f
REG.EXE ADD "HKLM\SOFTWARE\Policies\YandexBrowser" /v ExtensionManifestV2Availability /t REG_DWORD /d 2 /f
:END
EXIT
```

------End cut & paste here------
Reg(istry) Editor + Manager [REG.EXE] DOS console command line tool executable
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
http://www.mdgx.com/reg.htm#BNR

is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* FIX: Block/disable/fix/repair/stop/turn OFF annoying automatically deleted/blocked/discarded "keep executable" (.exe) file (example) download process + associated interruptions/messages/pop-ups/prompts/warnings [overreaching flawed built-in safety function] in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers,
http://www.mdgx.com/nettoys.htm#CHR
even if such file(s) are being downloaded from accredited/known to be safe/scanned/trustworthy/verified domains, sites, IPs, servers, etc:
http://superuser.com/questions/111674/
http://support.google.com/chrome/answer/3123708/
1st Things 1st:
****
Make sure you already have installed a [free(ware)] malware/trojan/virus scanner protection tool
http://www.mdgx.com/vir.htm
or/and a dedicated Chromium/Chrome extension [most are free]
http://chromewebstore.google.com/search/malware%20scan?itemTypes=EXTENSION&minimalRating=4
to make sure all archives, documents, executables, files, images, scripts, etc downloaded from the internet or unknown sources are scanned for malware/trojans/viruses prior to reaching your local disk/partition/volume and/or remote media storage device, that dubious/harmful/invasive/untrustworthy domains/sites/IPs/servers are being blocked, and that files originated there won't get downloaded, accessed or executed.
Main Method:
****
Close/exit/shutdown completely all active/open/running (even in the background)/idle/resident instances/tabs/windows of Chromium/Chrome [+/- alternative(s)/derivative(s)/fork(s)/variant(s)] web browser(s) [if using more than 1] -> browse/go to the subdirectory/subfolder located under your active/currently used/open/running Chromium/Chrome user profile main directory/folder (examples):
%UserProfile%\AppData\Local\Chromium\Default
%UserProfile%\AppData\Roaming\Chromium\Default
OR:
%UserProfile%\AppData\Local\Google\Chrome Beta\Default
%UserProfile%\AppData\Roaming\Google\Chrome Beta\Default
OR:
%UserProfile%\AppData\Local\Google\Chrome SxS\Default
%UserProfile%\AppData\Roaming\Google\Chrome SxS\Default
OR:
%UserProfile%\AppData\Local\Google\Chrome\Default
%UserProfile%\AppData\Roaming\Google\Chrome\Default
OR:
%UserProfile%\AppData\Local\Thorium\Default
%UserProfile%\AppData\Roaming\Thorium\Default
OR:
%UserProfile%\AppData\Local\BraveSoftware\Default
%UserProfile%\AppData\Roaming\BraveSoftware\Default
OR:
%UserProfile%\AppData\Local\Vivaldi\Default
%UserProfile%\AppData\Roaming\Vivaldi\Default
OR:
%UserProfile%\AppData\Local\Supermium\Default
%UserProfile%\AppData\Roaming\Supermium\Default
[%UserProfile% = usually C:\Users\User_Name (generic default) -> replace all User_Name instances with your actual user name.]
More info:
http://renenyffenegger.ch/notes/Windows/dirs/Users/username/
Under the "Default" subdirectory/subfolder (see examples above) -> edit/open [BACK IT UP 1ST!] text/ASCII (Unicode encoded) "Preferences" file using Unicode capable/compliant/enabled Notepad/similar/better free(ware) plain text/ASCII editor
http://www.mdgx.com/toy.htm#TXT
-> browse/go/scroll to or search for [hold Ctrl + press F, or press F2 or F3] the "download" section (example)
"download":{"directory_upgrade":true,"extensions_to_open":"exe:pdf","prompt_for_download":false},
-> change/edit (generic example)
"extensions_to_open":""
to read
"extensions_to_open":"exe:doc:epub:pdf:txt"
This way you can add/cutomize/edit/remove your own most frequently used/preferred one(s), where .exe, .doc, .epub, .pdf + .txt in this example are frequently used file type extensions, and each must be separated by a colon [:] -> save your edited/modified "Preferences" file (Encode: -> Unicode) -> close/exit/shutdown your text editor -> relaunch/restart your web browser.
Repeat all steps above in case you are using more than 1 Chromium based web browser(s).
Alternative method:
****
A. Close/exit/shutdown completely all active/open/running (even in the background)/idle/resident instances/tabs/windows of Chromium/Chrome [+/- alternative(s)/derivative(s)/fork(s)/variant(s)] web browser(s) [if using more than 1].
B. (1) Delete, (2) recreate + (3) deny access to the newly created empty "FileTypePolicies" subfolder/subdirectory by using a custom DOS console BATch (.bat)/CoMmanD (.cmd) file -> see below.
In the example below I have used Chromium web browser, which uses either
%UserProfile%\AppData\Local\Chromium\User Data
OR
%UserProfile%\AppData\Roaming\Chromium\User Data
as its user profile main folder/directory name.

%UserProfile% = Windows NTx environment variable, replaced with your actual user name.
See further above for other typical examples of Chrome/Chromium + alternatives/derivatives/forks/variants web browsers -> in case you are using a different Chromium based/Chrome web browser -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to edit the custom DOS console BATch (.bat)/CoMmanD (.cmd) file below -> change the name of your active/current Chromium/Chrome user profile main directory/folder to match your actual web browser:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.

```
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
CD\
IF NOT EXIST "%UserProfile%\AppData\Local\Chromium" GOTO RMG
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies"
CD "%UserProfile%\AppData\Local\Chromium\User Data"
MD FileTypePolicies
ATTRIB.EXE /D /S -A +H +R +S +I "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies"
ATTRIB.EXE /D /S -A +H +R +S +I "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies\*"
ATTRIB.EXE /D /S -A +H +R +S +I "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies\*.*"
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies" /r /d y
ICACLS.EXE "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies" /reset /t /c /q
ICACLS.EXE "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies" /setowner PC /t /c /q
ICACLS.EXE "%UserProfile%\AppData\Local\Chromium\User Data\FileTypePolicies" /deny Administrators:(OI)(CI)(WD,AD,WEA,WA)
PC:(OI)(CI)(WD,AD,WEA,WA) Everyone:(OI)(CI)(WD,AD,WEA,WA) /inheritance:R /t /c /q
:RMG
IF NOT EXIST "%UserProfile%\AppData\Roaming\Chromium" GOTO END
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies"
CD "%UserProfile%\AppData\Roaming\Chromium\User Data"
MD FileTypePolicies
ATTRIB.EXE /D /S -A +H +R +S +I "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies"
ATTRIB.EXE /D /S -A +H +R +S +I "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies\*"
ATTRIB.EXE /D /S -A +H +R +S +I "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies\*.*"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies" /r /d y
ICACLS.EXE "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies" /reset /t /c /q
ICACLS.EXE "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies" /setowner PC /t /c /q
ICACLS.EXE "%UserProfile%\AppData\Roaming\Chromium\User Data\FileTypePolicies" /deny Administrators:(OI)(CI)(WD,AD,WEA,WA)
PC:(OI)(CI)(WD,AD,WEA,WA) Everyone:(OI)(CI)(WD,AD,WEA,WA) /inheritance:R /t /c /q
:END
EXIT
------End cut & paste here------
```

C. Restart/relaunch your Chromium/Chrome [or alternative/derivative/fork/variant] web browser.

* Adjust/lower/optimize/stabilize audio/media/sound volume level/setting in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers,
http://www.mdgx.com/nettoys.htm#CHR
which usually starts full blast at 100% [which they usually amplify on purpose above accepted/default/normal maximum value in order to attract/capture/grab your attention with their annoying/disruptive/interfering/interrupting ad(vertisement)s/banners/commercials/offers/promo(tion)s/recommendations/sponsorships/etc], and all that actually annoys, bothers and/or disturbs a lot of people, myself included. ;-/
YouTube (Google) + many for profit news, social media, video + other various categories of web sites keep resetting the volume back to 100% very often, in their attempt of desperately chasing for clicks, subscriptions + views which enable them to make easy, rapid profit from ad(vertisement)s/banners/commercials/offers/promo(tion)s/recommendations/sponsorships/etc, and which are hard or impossible to block/disable/remove/stop/turn OFF without installing + using 3rd party/independent/separate add-ons/extensions/scripts/tools:
http://www.mdgx.com/nettoys.htm#PRV
More info:
http://www.google.com/search?q=youtube+resets+volume+100%
Most of these sites [YouTube is best known for such bothersome/deceptive/disruptive/retaliatory/subversive methods] require you to be logged on/signed in into their [Chromium/Chrome, Gmail (Google mail), Google, YouTube, or other Google related account(s), if any] membership account in order for you to be allowed to configure/keep/set your desired audio/sound volume level setting, but even then, they keep resetting it back to 100% quite often, especially when a clip/video begins with an ad(vertisement)/banner/commercial/offer/promo(tion)/recommendation/etc, and they do frown upon, and retaliate subversively against the use of adblockers, adfilters + similar privacy, safety + security enhancing/preserving/protecting add-ons/extensions/scripts/tools.
More info:
http://searchengineland.com/youtube-escalates-war-ad-blockers-439704/
http://www.theregister.com/2023/11/21/ad_block_google/
http://www.theregister.com/2023/05/10/youtube_ad_blockers/
http://support.google.com/youtube/answer/14129599/
RECOMMENDED:
****
Best free Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers extensions for blocking YouTube ads:
- Enhancer for YouTube:
http://chromewebstore.google.com/detail/enhancer-for-youtube/ponfpcnoihfmfllpaingbgckeeldkhle
-> go to chrome://extensions/ -> Enhancer for YouTube -> Details button -> Extension options -> Ads management -> check "Block ads" box.
- SponsorBlock for YouTube - Skip Sponsorships -> skips YouTube videos ad(vertisement)/promo/sponsor segments, intros,

outros, likes, subscription prompts/reminders + other annoyances + interruptions:
http://chromewebstore.google.com/detail/sponsorblock-for-youtube/mnjggcdmjocbbbhaepdhchncahnbgone
- YouTube Popup Tamer:
http://chromewebstore.google.com/detail/youtube-popup-tamer/ljhkfklbohndemkbafegonhpanfajeae
- AdBlock on YouTube:
http://chromewebstore.google.com/detail/adblock-on-youtube/emngkmlligggbbiioginlkphcmffbncb
- For more similar add-ons/extensions/scripts -> see MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
This implies you are using Windows 7/newer:
1. Turn OFF "Hardware Media Key Handling" ["Enables using media keys to control the active media session. This requires MediaSessionService to be enabled too"] [flags setting]
chrome://flags/#hardware-media-key-handling
-> Disabled -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/thread/224750132/
2. Run [As Administrator] Windows Volume Mixer Control Panel (CP) applet
%WinDir%\SYSTEM32\SndVol.exe
to set volume separately for each audio/sound capable/enabled app(lication)/program/service/software/task/etc.
http://www.geeksforgeeks.org/how-to-control-individual-app-volume-in-windows/
Right-click Speaker(s) taskbar icon/symbol -> Volume Control Options -> check all available boxes -> press OK button -> right-click Speaker(s) taskbar icon/symbol -> Open Volume Mixer -> run [As Administrator] Chromium/Chrome web browser -> go to an audio/sound capable/enabled web page/site [example: Vimeo or YouTube video] -> click Play or press Enter [> = right arrow icon] (if video paused/stopped) -> run [As Administrator] Volume Mixer
%WinDir%\SYSTEM32\SndVol.exe
-> slide down Chromium/Chrome volume to desired level = global default setting for all tabs.
3. Run [As Administrator] Windows Sound Control Panel (CP) applet
%WinDir%\SYSTEM32\mmsys.cpl
OR
%WinDir%\SYSTEM32\CONTROL.EXE %WinDir%\SYSTEM32\mmsys.cpl
-> double-click Speakers item -> Speakers Properties -> Speakers -> Levels tab -> scroll all the way down to Front -> slide down to desired [percentage] value.
4. Optional:
Run [As Administrator] Windows Sound Control Panel (CP) applet
%WinDir%\SYSTEM32\mmsys.cpl
OR
%WinDir%\SYSTEM32\CONTROL.EXE %WinDir%\SYSTEM32\mmsys.cpl
-> left-click once/highlight/select Speakers item -> Configure button -> Next button -> check Left (Side) + Right (Side) boxes or slide respective sliders left or right to desired levels (example if using a stereo 2.0 system with 2 speakers), or check Front, Left (Side), Right (Side), Center, Rear + Subwoofer boxes or slide respective sliders left or right to desired levels (example if using a surround sound 5.1 system with 6 speakers) -> Next button -> Finish button.
Sound Volume tools [free(ware)]:
- NirCmd 32-bit + 64-bit multi-function DOS console command line + GUI tool:
http://www.nirsoft.net/utils/nircmd.html
NirCmd 32-bit:
http://www.nirsoft.net/utils/nircmd.zip
NirCmd 64-bit:
http://www.nirsoft.net/utils/nircmd-x64.zip
NirCmd Guide:
http://nircmd.nirsoft.net/
Help:
http://www.nirsoft.net/utils/nircmd2.html
NirCmd can be used to adjust up/down, mute (turn off), unmute (turn on) sound volume levels from the command line using its custom parameters + switches -> see above.
- SetVol [SetVol.exe] 32-bit DOS console command line tool adjusts up/down, mutes (turns off) + unmutes (turns on) main (system) sound volume level:
http://www.rlatour.com/setvol/

* FIX: Disable/turn OFF annoying, counterproductive, disruptive, time wasting, inadequate, inferior, limited, primitive, restrictive, useless Google Lens + restore (as much as possible) + reverse back to better, classic Google Images search [http://images.google.com/] in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/links.htm#LENC
WARNING:
December 2024 Google DISCONTINUED/TURNED OFF reverse image search using Image Search + DOWNGRADED/REPLACED it with the inferior Lens interface in order to boost their profits from ad(vertisement)s/adware, marketing, promo(tion)s for seasonal holidays sales!
http://github.com/dessant/search-by-image/issues/309/
Google Lens compatible Reverse Image Search Chromium/Chrome Extensions:
http://chromewebstore.google.com/search/lens%20reverse%20image%20search
1. Install these Chromium/Chrome [+ alternatives/derivatives/forks/variants]
http://www.mdgx.com/nettoys.htm#CHR
extensions [free]:
- Disable Google Lens:
http://chromewebstore.google.com/detail/disable-google-lens/dkapjhgpncbeiebegegdbpgfoabdkilh
AND:
- Search by Image [works with Google, Bing, Yandex, Baidu, TinEye],
http://chromewebstore.google.com/detail/search-by-image/cnojnbdhbhnkbcieeekonklommdnndci
OR:
- Google Image Search [UNMAINTAINED!],
http://chromewebstore.google.com/detail/google-image-search/dbebidibfabmempkkbhabeehoncoaphf
AND:
- Google Image Search Sizer.

http://chromewebstore.google.com/detail/google-image-search-sizer/ljfpkodlimblagnlpdagkdfkdcgpbkcd
2. Install TamperMonkey extension [free]:
http://chromewebstore.google.com/detail/tampermonkey/dhdgffkkebhmkfjojejmpbldmpobfkfo
-> go to Google Image Direct Link Patch (JavaScript)
http://greasyfork.org/scripts/26510-google-image-direct-link-patch/
-> click "Install this script" button -> wait a few seconds for TamperMonkey script installer window to appear -> click "Install" button.
3. In your Chromium/Chrome [or alternative/derivative/fork/variant] URL address bar (omnibox) type + go to chrome://flags/
-> type lens in the Search [magnifying glass icon] bar at the top -> disable all Lens flags settings [some may not be available depending on your web browser version]:
http://www.quora.com/How-do-you-enable-or-disable-Google-Lens-in-a-Chrome-browser/
- "Enable Lens features in Chrome"
chrome://flags/#enable-lens-standalone
-> select "Disabled".
- "Enable Lens region (selection) search"
chrome://flags/#enable-lens-region-search
-> select "Disabled".
- "Enable NTP (New Tab Page) Google Lens search"
chrome://flags/#ntp-desktop-lens
-> select "Disabled".
- "Enable Lens fullscreen search"
chrome://flags/#enable-lens-fullscreen-search
-> select "Disabled".
- "Context menu search with Google Lens"
chrome://flags/#context-menu-search-with-google-lens
-> select "Disabled".
4. Relaunch/restart your web browser to make sure all changes take effect.

* FIX: Disable/turn OFF annoying, counterproductive, disruptive, time wasting, inadequate, inferior, limited, primitive, restrictive, useless Google Lens + restore (as much as possible) + reverse back to better, classic Google Images search [http://images.google.com/] in Firefox [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/links.htm#LENF
WARNING:
December 2024 Google DISCONTINUED/TURNED OFF reverse image search using Image Search + DOWNGRADED/REPLACED it with the inferior Lens interface in order to boost their profits from ad(vertisement)s/adware, marketing, promo(tion)s for seasonal holidays sales!
http://github.com/dessant/search-by-image/issues/309/
Google Lens compatible Reverse Image Search Firefox Add-ons:
http://addons.mozilla.org/firefox/search/?q=lens+reverse+image+search
1. Install these Firefox [+ alternatives/derivatives/forks/variants]
http://www.mdgx.com/nettoys.htm#MOZ
add-ons [free]:
- Disable Google Lens,
http://addons.mozilla.org/firefox/addon/disablegooglelens/
- Search by Image [works with Google, Bing, Yandex, Baidu, TinEye],
http://addons.mozilla.org/firefox/addon/search_by_image/
AND:
- Google Image Sizer.
http://addons.mozilla.org/firefox/addon/google-image-sizer/
2. Install TamperMonkey add-on [free]:
http://addons.mozilla.org/firefox/addon/tampermonkey/
-> go to Google Image Direct Link Patch (JavaScript)
http://greasyfork.org/scripts/26510-google-image-direct-link-patch/
-> click "Install this script" button -> wait a few seconds for TamperMonkey script installer window to appear -> click "Install" button.
3. Relaunch/restart your web browser to make sure all changes take effect.

* Turn OFF Internet Explorer (IE) [DISCONTINUED!] 9/10/11 "Automatic (Forced) Upgrade" + turn ON "Block Tracking" (disable Geolocation Detection):
http://unlockforus.blogspot.com/2012/09/do-not-allow-websites-to-get-your.html
http://support.microsoft.com/kb/2843950/
http://www.eightforums.com/tutorials/7996-internet-explorer-10-auto-update-enable-disable.html
http://www.itninja.com/question/ie10-turn-off-auto-updates/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Geolocation]
"BlockAllWebsites"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Geolocation]
"BlockAllWebsites"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Geolocation]
"BlockAllWebsites"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
```

```
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
;
------End cut & paste here------
```

* FIX: Turn OFF Internet Connection Sharing (ICS) [SharedAccess] service + internet/network connection shared control with other/remote entities/user(s) in order to enhance/improve digital/online privacy, safety + security, and reduce risks + vulnerabilities in Windows 7/newer:
http://www.its.hku.hk/faq/network/remote/disable-ics-win/
http://www.windowscentral.com/how-turn-your-windows-10-pc-wireless-hotspot/
http://getalltech.com/how-to-enable-disable-internet-connection-sharing-windows/
http://www.tenable.com/audits/items/CIS_MS_Windows_7_v3.2.0_Level_1_Bitlocker.audit:40eaa83195178488179b237f745526e6/
http://www.techtarget.com/searchcontentmanagement/tip/7-common-file-sharing-security-risks/
Start menu -> Control Panel (CP) -> Network and Sharing Center -> View your active networks -> Connections: -> (double-)click your active connection name link -> Properties button -> Sharing tab -> uncheck these 2 boxes: "Allow other network users to connect through this computer's Internet connection" + "Allow other network users to control or disable the shared Internet connection" -> click OK or press Enter.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[-HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SharedAccess\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SharedAccess]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\SharedAccess\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\SharedAccess]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\SharedAccess\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\SharedAccess]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\SharedAccessConnection]
"EnableControl"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Network\SharedAccessConnection]
"EnableControl"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Network\SharedAccessConnection]
"EnableControl"=dword:0
;
------End cut & paste here------
```

Restart/reboot Windows for all changes to take effect.

* FIX: Turn OFF Internet Explorer (IE) [DISCONTINUED!] obsolete/useless Security Check:
http://www.windows-security.org/65c2e8edd3108cdb6fc985493bb2fa38/turn-off-the-security-settings-check-feature/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Security]
"DisableSecuritySettingsCheck"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Security]
"DisableSecuritySettingsCheck"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Security]
"DisableSecuritySettingsCheck"=dword:1
;
------End cut & paste here------
```

* FIX: Turn OFF Open File Security Warning, turn ON parallel downloading of multiple files in all web browsers, turn OFF Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#CHR
download restrictions & annoying prompt(s) for downloaded files location + FIX Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers "Failed - virus scan failed" file download error messages:
http://support.microsoft.com/kb/883260/
http://www.thewindowsclub.com/disable-open-file-security-warning-for-file/
http://www.sevenforums.com/tutorials/124367-open-file-security-warning-unblock-file.html
http://www.sevenforums.com/tutorials/182353-open-file-security-warning-enable-disable.html
http://www.sevenforums.com/tutorials/124427-open-file-security-warning-allow-prevent-unblock-file.html
http://www.itechfever.com/fix-google-chrome-virus-scan-failed-error/
http://www.guidingtech.com/top-ways-to-fix-virus-scan-failed-error-in-google-chrome/
http://www.wisecleaner.com/think-tank/266-How-to-enable-the-parallel-downloading-function-of-Google-Chrome.html

http://stackoverflow.com/questions/38511515/
http://technoresult.com/download-faster-google-chrome-using-parallel-downloading/
http://admx.help/?Category=Chrome&Policy=Google.Policies.Chrome::DownloadDirectory
Start button/icon/logo/menu/orb -> Control Panel (CP) or Run... [hold WinKey + press R] -> type:
control.exe
-> press Enter -> Internet Properties (Options) [inetcpl.cpl] -> Security tab -> Custom level button -> scroll down to
Launching applications and unsafe files -> check Enable (not secure) box -> Apply/OK -> Yes.
CAUTION:
****
Make sure to scan for malware/spyware ALL files downloaded from the internet!
http://www.mdgx.com/vir.htm
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Attachments]
"ScanWithAntiVirus"=dword:1
"SaveZoneInformation"=dword:1
"HideZoneInfoOnProperties"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Attachments]
"ScanWithAntiVirus"=dword:1
"SaveZoneInformation"=dword:1
"HideZoneInfoOnProperties"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Attachments]
"ScanWithAntiVirus"=dword:1
"SaveZoneInformation"=dword:1
"HideZoneInfoOnProperties"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet Settings]
"MaxConnectionsPer1_0Server"=dword:20
"MaxConnectionsPerServer"=dword:20
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Internet Settings]
"MaxConnectionsPer1_0Server"=dword:20
"MaxConnectionsPerServer"=dword:20
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Internet Settings]
"MaxConnectionsPer1_0Server"=dword:20
"MaxConnectionsPerServer"=dword:20
[HKEY_LOCAL_MACHINE\Software\Policies\Google\Chrome]
"DownloadRestrictions"=dword:0
"PromptForDownloadLocation"=dword:0
[HKEY_LOCAL_MACHINE\Software\Policies\Google\Chrome\Recommended]
"DownloadRestrictions"=dword:0
"PromptForDownloadLocation"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Google\Chrome]
"DownloadRestrictions"=dword:0
"PromptForDownloadLocation"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Google\Chrome\Recommended]
"DownloadRestrictions"=dword:0
"PromptForDownloadLocation"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome]
"DownloadRestrictions"=dword:0
"PromptForDownloadLocation"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome\Recommended]
"DownloadRestrictions"=dword:0
"PromptForDownloadLocation"=dword:0
;
------End cut & paste here------

* Turn OFF Internet Explorer (IE) [DISCONTINUED!] + (E-)Mail/Attachments Notifications + Restrictions in Windows 7/newer:
http://gist.github.com/prashanthrajagopal/bce210ba9dc84383ad2c/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Attachments]
"ScanWithAntiVirus"=dword:1
"SaveZoneInformation"=dword:1
"HideZoneInfoOnProperties"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Attachments]
"ScanWithAntiVirus"=dword:1
"SaveZoneInformation"=dword:1
"HideZoneInfoOnProperties"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Security Center\Svc]
"AntiVirusDisableNotify"=dword:1
"FirewallDisableNotify"=dword:1

"UpdatesDisableNotify"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Security Center\Svc]
"AntiVirusDisableNotify"=dword:1
"FirewallDisableNotify"=dword:1
"UpdatesDisableNotify"=dword:1
;
------End cut & paste here------
Recommended independent/3rd party free, open source, safe, secure, uncrippled, unlocked, unrestricted, modern web browsers (examples):
http://www.mdgx.com/nettoys.htm#NET
MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome web browsers [free(ware)]" section -> "Chromium + Chrome" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Or if you prefer a Firefox based web browser -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
Firefox enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PSF
RECOMMENDED:
- Chromium Precompiled EXEcutable [Installer EXE + Portable Archives ZIP/7z] 32-bit + 64-bit for Windows XP/newer 32-bit (x86) + 64-bit (x64):
http://chromium.woolyss.com/
Degoogled/Ungoogled/stripped of Google ad(ware)/spyware/surveillance/tracking code Chromium builds [clearly labeled]:
http://github.com/ungoogled-software/ungoogled-chromium/blob/master/README.md
http://ungoogled-software.github.io/ungoogled-chromium-wiki/faq
Ungoogled Chromium precompiled binaries 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) [75-125 MB, Installer ONLY EXE + Portable ZIP, NEWest at the top]:
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
Ungoogled Chromium 64-bit for Windows 7/newer 64-bit (x64):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/64bit/
Ungoogled Chromium 32-bit for Windows 7/newer 32-bit (x86):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/32bit/
- Brave 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with improved privacy, safety + security and optimized speed:
http://brave.com/
Brave Repository:
http://github.com/brave/brave-browser/
Download [ZIP = full, Portable]:
http://github.com/brave/brave-browser/releases/latest/
- Vivaldi 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with enhanced privacy, safety + security:
http://vivaldi.com/
Download [EXE = Installer ONLY]:
http://vivaldi.com/download/
Vivaldi Portable -> run Installer EXE -> Install standalone:
http://help.vivaldi.com/desktop/install-update/standalone-version-of-vivaldi/
- Thorium 32-bit + 64-bit web browsers for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] hardware 3D, rendering + video playback optimized:
http://thorium.rocks/
Download [ZIP = full, Portable]:
Thorium AVX2 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium AVX 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium SS3 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-SSE3/releases/latest/
Thorium SSE2 (Win32) 32-bit edition for Windows 7/newer 32-bit (x86) + Thorium SSE3, SSE4, AVX + AVX2 64-bit editions for Windows 7/newer 64-bit (x64):
http://github.com/Alex313031/thorium-legacy/releases/latest/
Thorium Requirements:
- Multicore CPU: minimum Intel Core 2nd gen or AMD FX with built-in SSE4 (Streaming SIMD Extensions 4),
http://en.wikipedia.org/wiki/SSE4
AVX (Advanced Vector EXtensions)
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions
+ AES (Advanced Encryption Standard)
http://en.wikipedia.org/wiki/Advanced_Encryption_Standard
enhancements/multimedia extensions/instructions.
- Graphics video controller with 3D rendering + OpenGL capabilities.
Required Windows 7 64-bit (x64) Updates for Thorium 64-bit web browser enhanced hardware + software compatibility/support:
http://thorium.rocks/win7
- Windows 7 SP1/2008 R2 64-bit (x64) Servicing Stack Update 2019 KB4490628:
http://support.microsoft.com/kb/4490628/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4490628+x64
- Windows 7 SP1/2008 R2 64-bit (x64) SHA-2 Code Signing Support Update 2019 KB4474419:
http://support.microsoft.com/kb/4474419/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4474419+x64
- Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:

http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
- X-Chromium (X-Launcher) Portable launcher:
http://www.winpenpack.com/en/download.php?view.1082
Download [EXE = Installer, full]:
http://sourceforge.net/projects/winpenpack/files/X-Chromium/releases/
Either install Chromium precompiled stable releases 32-bit or 64-bit:
http://chromium.woolyss.com/
or extract all files from portable archive [zip or 7z] + copy to the destination of your choice Chromium portable stable releases 32-bit or 64-bit to match the Windows NTx [7/newer] operating system(s) [OS(es)] build/edition/release/update/version + bit strength [32-bit (x86) or 64-bit (x64)] you are using.
All Chromium + Chrome alternatives/derivatives/forks/variants users must have these 3 environment variables:
GOOGLE_API_KEY=NO
GOOGLE_DEFAULT_CLIENT_ID=NO
GOOGLE_DEFAULT_CLIENT_SECRET=NO
Right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
SETX.EXE GOOGLE_API_KEY "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_ID "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_SECRET "NO" /M
Google API Keys:
http://chromium.woolyss.com/#google-api-keys
http://www.chromium.org/developers/how-tos/api-keys/
MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
MDGx collection of essential + useful Chromium/Chrome extensions + tweaks -> "CHROMIUM" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php#:~:text=CHROMIUM%2FCHROME%20%5B%2A%5D
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
Make Chromium/Chrome or alternative/derivative/fork/variant your default web browser in Windows 7/newer:
http://www.solveyourtech.com/set-google-chrome-as-the-default-browser-in-windows-8/
Make Firefox or alternative/derivative/fork/variant your default web browser in Windows 7/newer:
http://support.mozilla.org/kb/setting-firefox-default-browser-does-not-work/

* Enable/select/turn ON Chromium/Chrome (or alternative/derivative/fork/variant), Firefox (or alternative/derivative/fork/variant), Opera (or alternative/derivative/fork/variant), or your favorite/preferred web browser
http://www.mdgx.com/nettoys.htm#NET
as Default Browser [to replace built-in/default/forced/hardwired/locked/preset Edge or the discontinued Internet Explorer (IE)] for frequently used file extensions (.dhtml, .htm, .html, .php, .xhtml, .xml, etc), internet schemes/protocols (ftp:, http:, https:, magnet:, mailto:, news:, etc)
http://www.w3.org/wiki/UriSchemes
+ URL/URI addresses/items/links/schemes/shortcuts (.url, .website, etc) in Windows 7/newer:
http://www.winhelponline.com/blog/open-url-shortcuts-different-browsers-right-click-menu/
http://answers.microsoft.com/en-us/windows/forum/windows_10-networking-winpc/how-do-i-get-url-files-to-open-in-chrome-not-ie/8e766fa8-eb8d-43a3-9945-3c43f5edf1fb/
http://support.google.com/chrome/a/answer/7009292/
http://en.wikipedia.org/wiki/Uniform_Resource_Identifier
Chromium/Chrome web browsers may need to install the .URL Handler extension:
http://chromewebstore.google.com/detail/url-handler/nhmccpjmdhejpfhafcfajkgifkmjhkgf
For example I use winPenPack X-Chromium (X-Launcher) Portable launcher which installs Chromium web browser [free, open source]:
http://www.winpenpack.com/en/download.php?view.1082
Download:
http://sourceforge.net/projects/winpenpack/files/X-Chromium/releases/
In the examples below "winPenPack X-Chromium Launcher" [installed on my computers as C:\PORT\CHROME\X-Chromium.exe] becomes default web browser for all these file extensions, internet schemes/protocols + URL/URI addresses/items/links/schemes/shortcuts:
http://superuser.com/questions/1205914/
File extensions I have linked to Chromium (example):
.htm
.html
.shtm
.shtml
.url
.xht
.xhtm
.xhtml
Protocols:
http
https
mailto
Shortcuts:
.url
.website
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; Used "winPenPack X-Chromium Launcher" [installed in C:\PORT\CHROME\X-Chromium.exe] in this example:
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\ChromeHTML]
@="winPenPack X-Chromium Launcher"
"AppUserModelID"="winPenPack.X-ChromiumLauncher.Default"
"EditFlags"=dword:1
"FriendlyTypeName"="winPenPack X-Chromium Launcher"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\ChromeHTML\Application]
"AppUserModelId"="winPenPack.X-ChromiumLauncher.Default"
"ApplicationName"="winPenPack X-Chromium Launcher"
"ApplicationDescription"="X-Chromium Portable Chromium Web Browser"
"ApplicationCompany"="winPenPack"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\ChromeHTML\shell]
@="Open"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\ChromeHTML\shell\open\command]
@="\"C:\\PORT\\CHROME\\X-Chromium.exe\" \"%1\""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\.URL]
@="urlfile"
"EditFlags"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\.URL\shell]
@="Open"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\.URL\shell\open\command]
@="\"C:\\PORT\\CHROME\\X-Chromium.exe\" \"%1\""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\urlfile]
@="URL File"
"EditFlags"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\urlfile\shell]
@="Open"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\urlfile\shell\open\command]
@="\"C:\\PORT\\CHROME\\X-Chromium.exe\" \"%1\""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\InternetShortcut]
@="InternetShortcut"
"NeverShowExt"=""
"EditFlags"=dword:1
"IsShortcut"=""
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\InternetShortcut\shell]
@="Open"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\InternetShortcut\shell\open\command]
@="\"C:\\PORT\\CHROME\\X-Chromium.exe\" \"%1\""
[HKEY_LOCAL_MACHINE\SOFTWARE\RegisteredApplications]
"winPenPack X-Chromium Launcher"="Software\\Clients\\StartMenuInternet\\winPenPack X-Chromium Launcher\\Capabilities"
[HKEY_LOCAL_MACHINE\SOFTWARE\Clients\StartMenuInternet\winPenPack X-Chromium Launcher]
@="winPenPack X-Chromium Launcher"
[HKEY_LOCAL_MACHINE\SOFTWARE\Clients\StartMenuInternet\winPenPack X-Chromium Launcher\Capabilities]
"ApplicationName"="winPenPack X-Chromium Launcher"
"ApplicationDescription"="Chromium is a fast web browser for Windows."
[HKEY_LOCAL_MACHINE\SOFTWARE\Clients\StartMenuInternet\winPenPack X-Chromium Launcher\Capabilities\FileAssociations]
".htm"="ChromeHTML"
".html"="ChromeHTML"
".shtm"="ChromeHTML"
".shtml"="ChromeHTML"
".url"="ChromeHTML"
".website"="XChromium.exe_.website"
".xht"="ChromeHTML"
".xhtm"="ChromeHTML"
".xhtml"="ChromeHTML"
[HKEY_LOCAL_MACHINE\SOFTWARE\Clients\StartMenuInternet\winPenPack X-Chromium Launcher\Capabilities\Startmenu]
"StartMenuInternet"="winPenPack X-Chromium Launcher"
[HKEY_LOCAL_MACHINE\SOFTWARE\Clients\StartMenuInternet\winPenPack X-Chromium Launcher\Capabilities\URLAssociations]
"http"="ChromeHTML"
"https"="ChromeHTML"
"mailto"="ChromeHTML"
[HKEY_LOCAL_MACHINE\SOFTWARE\Clients\StartMenuInternet\winPenPack X-Chromium Launcher\shell\open\command]
@="\"C:\\PORT\\CHROME\\X-Chromium.exe\" \"%1\""
;
------End cut & paste here------
Use a Visual Basic Script (VBScript) file (.vbs) to set your default web browser (X-Chromium in this example):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text VBScript (.vbs) file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the VBS extension (.vbs) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to execute/run it.
-----Begin cut & paste here-----
Set WshShell=WScript.CreateObject("WScript.Shell")
' Set Default Web Browser in Windows Vista/newer:
WshShell.Run "%windir%\SYSTEM32\CONTROL.EXE /name Microsoft.DefaultPrograms /page pageDefaultProgram\pageAdvancedSettings?pszAppName=X-
Chromium"
' Give Default Programs time to load (2 seconds in this case):
WScript.Sleep 2000
WshShell.AppActivate "Set Program Associations"
WshShell.SendKeys "{TAB}"
```

```
WshShell.SendKeys " "
WshShell.SendKeys "{TAB}"
WshShell.SendKeys "{TAB}"
WScript.Sleep 800
WshShell.SendKeys " "
Msgbox "Your Default Web Browser is X-Chromium (Portable Chromium)."
WScript.Quit
------End cut & paste here------
Execute/run VBS file above from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE
-> Run as Administrator -> type this command (example using X-Chromium above + VBS file named Def_Brow_X-Chrom.vbs)
CSCRIPT.EXE //NoLogo Def_Brow_X-Chrom.vbs
-> press Enter.
CSCRIPT.EXE executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* Turn OFF/disable automatic/behind-your-back/forced/hidden/unattended/without your approval/knowledge/permission Google
Chrome Update, Chrome Default Browser takeover + Google Update services in Windows 7/newer:
http://support.google.com/chrome/a/answer/6350036/
http://superuser.com/questions/974766/
http://eddiejackson.net/wp/?p=17266
http://admx.help/?Category=GoogleUpdate&Policy=Google.Policies.Update::Pol_DefaultUpdatePolicy
http://admx.help/?Category=GoogleUpdate&Policy=Google.Policies.Update::Pol_AutoUpdateCheckPeriod
http://www.ghacks.net/2017/05/19/how-to-block-automatic-google-chrome-updates/
http://www.itninja.com/question/how-to-disable-updates-for-latest-chrome-enterprise-version-44-0-2403-130/
http://computergarage.org/disable-auto-update-google-chrome.html
http://www.chromium.org/administrators/policy-list-3/#DefaultBrowserSettingEnabled
http://admx.help/?Category=Chrome&Policy=Google.Policies.Chrome%3A%3ADefaultBrowserSettingEnabled
http://www.tenforums.com/attachments/browsers-email/120981d1486931502t-how-stop-google-chrome-not-your-default-browser-message-
modification-info.jpg
http://www.tenforums.com/tutorials/5507-choose-default-apps-windows-10-a.html#option6
See topic above to use winPenPack X-Chromium (X-Launcher) Portable launcher (example) which installs Chromium web browser as
your default browser for file extensions, internet protocols + URL/URI addresses/items/links/schemes/shortcuts.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Google\Update]
"UpdateDefault"=dword:0
"AutoUpdateCheckPeriodMinutes"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Policies\Google\Update]
"UpdateDefault"=dword:0
"AutoUpdateCheckPeriodMinutes"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\GoogleChromeElevationService]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\GoogleChromeElevationService]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\GoogleChromeElevationService]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\gpupdate]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\gpupdate]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\gpupdate]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\gpupdatem]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\gpupdatem]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\gpupdatem]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\Software\Policies\Google\Chrome]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_CURRENT_USER\Software\Policies\Google\Chrome]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome]
"DefaultBrowserSettingEnabled"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run]
"Google Update"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce]
"Google Update"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnceEx]
"Google Update"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunServices]
"Google Update"=-
```

[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunServicesOnce]
"Google Update"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Run]
"Google Update"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\RunOnce]
"Google Update"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\RunOnceEx]
"Google Update"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\RunServices]
"Google Update"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\RunServicesOnce]
"Google Update"=-
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Run]
"Google Update"=-
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\RunOnce]
"Google Update"=-
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\RunOnceEx]
"Google Update"=-
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\RunServices]
"Google Update"=-
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\RunServicesOnce]
"Google Update"=-
;
------End cut & paste here------

* Determine, Configure + Tweak IPv6 in Windows 7/newer:
http://en.wikipedia.org/wiki/IPv6
http://learn.microsoft.com/troubleshoot/windows-server/networking/configure-ipv6-in-windows/
http://technet.microsoft.com/library/bb726944.aspx
http://technet.microsoft.com/library/bb726995.aspx
http://technet.microsoft.com/library/bb962076.aspx
http://serverfault.com/questions/234711/
http://www.whatsmydns.net/ipv6-to-ipv4/
MDGx "IPv6 Testing, Info + Links":
http://www.mdgx.com/modem.htm#IPV6
View all your computer/device active/current IPv6 IP addresses supplied by your network/internet provider from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
NETSH.EXE interface ipv6 show addresses
and their corresponding IPv4 IP addresses:
NETSH.EXE interface ipv4 show addresses
NetSh [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
NetSh:
http://www.ss64.com/nt/netsh.html
http://adamtheautomator.com/netsh/

* Change/force saved bookmarks/favorites to open in a new (separate) tab instead of opening in the active/current/same instance/tab/window [which unfortunately is the default setting for all web browsers ;-(]
http://www.quora.com/In-Chrome-how-can-you-open-the-bookmarks-in-a-new-tab/
in all Chromium/Chrome [+ alternatives/derivatives/forks/variants]
http://www.mdgx.com/nettoys.htm#CHR
+ Firefox [+ alternatives/derivatives/forks/variants]
http://www.mdgx.com/nettoys.htm#MOZ
web browsers.
1. Chromium/Chrome web browsers users:
Download + install Supermium 132/newer 32-bit or 64-bit web browser for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
Execute/launch/open/run/start Supermium [chrome.exe] -> go to "Bookmark Open Options" ["Open bookmarks in current tab (default), new foreground tab (switch focus) or new background tab (no switch focus)"] [flags setting]
chrome://flags/#open-bookmark-option
-> select "New Foreground Tab" -> relaunch/restart your web browser.
2. Temporary fixes for all Chromium/Chrome + Firefox [+ alternatives/derivatives/forks/variants] web browsers users:
Highlight/select desired bookmark/favorite if necessary (especially if nested/tucked away inside a bookmarks/favorites directory/folder or subdirectory/subfolder of your Bookmarks/Favorites, or of your Bookmarks/Favorites bar) ->
A. hold down Ctrl button + click/touch it using your mouse/pointing device left button (left-click), or
B. click/touch it using your mouse/pointing device middle button (middle-click), or mouse wheel, or right button (right-click) (whichever the case), or
C. right-click desired bookmark/favorite -> select "Open in New Tab" option, or
D. hold down Ctrl + Shift + press O (or B, or H, whichever the case, depending on your web browser or/and operating system) to open Bookmarks, or Bookmark(s) Manager (Menu), or Favorites (Menu), or go to (whichever the case, depending on your web browser)
about:bookmarks
or to

chrome://bookmarks/
-> scroll to your desired bookmark/favorite -> right-click it -> select "Open in new tab" option.
3. Permanent fixes for all Chromium/Chrome + Firefox [+ alternatives/derivatives/forks/variants] web browsers users:
A. Edit your desired bookmark/favorite URL (internet/local/network/remote address/location) box/line,
http://support.google.com/chrome/answer/188842/
http://support.mozilla.org/kb/bookmarks-firefox/#w_how-do-i-organize-my-bookmarks
-> replace it with JavaScript code (replace domain in this example with your desired internet/local/network/remote address/location/URL):
javascript:window.open('http://www.mdgx.com/');
-> save your bookmark/favorite.
Make sure each URL is preceded by respective http://, or https://, or file://, or ftp://, or ftps://, or magnet://, or mailto://, or news://, etc prefix (whichever the case/preference/need/requirement), because certain web browsers do not display/show the mandatory prefixes, so you may need to type them by hand. :-(
B. Firefox [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#MOZ
users can activate/enable/turn ON "Load Bookmarks In Tabs" configuration setting:
http://support.mozilla.org/questions/1207970/
-> go to
about:config
to open advanced configuration settings menu/page/window -> in the Search box type
browser.tabs.loadBookmarksInTabs
-> highligh/select it -> double-click it once to change/switch its default boolean value from "false" to "true".
C. Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers
http://www.mdgx.com/nettoys.htm#CHR
require to activate/enable/turn ON the "Show bookmarks bar" option in order to permanently display/unhide/show + get 1/single click/touch access to all saved bookmarks the easy way:
http://support.google.com/chrome/answer/188842/
Click/touch vertical ellipsis (3 vertical dots) top leftmost context menu -> highlight/select Bookmarks context menu -> click/touch "Show bookmarks bar" option.

* Chromium/Chrome:
****
http://www.mdgx.com/7.php#:~:text=%2A%20Chromium%2FChrome%3A
MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section -> "Chromium + Chrome" [+ alternatives/derivatives/forks/variants] web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Change/Set Windows 7 default web browser to Chromium/Chrome or Firefox:
http://www.groovypost.com/howto/change-default-browser-windows-7/
RECOMMENDED:
- Chromium Precompiled EXEcutable [Installer EXE + Portable Archives ZIP/7z] 32-bit + 64-bit for Windows XP/newer 32-bit (x86) + 64-bit (x64):
http://chromium.woolyss.com/
Degoogled/Ungoogled/stripped of Google ad(ware)/integration/spyware/surveillance/tracking code Chromium builds [clearly labeled]:
http://github.com/ungoogled-software/ungoogled-chromium/blob/master/README.md
http://ungoogled-software.github.io/ungoogled-chromium-wiki/faq
Ungoogled Chromium precompiled binaries 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) [75-125 MB, Installer ONLY EXE + Portable ZIP, NEWest at the top]:
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
Ungoogled Chromium 64-bit for Windows 7/newer 64-bit (x64):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/64bit/
Ungoogled Chromium 32-bit for Windows 7/newer 32-bit (x86):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/32bit/
Install + Configure Ungoogled Chromium:
http://avoidthehack.com/how-to-install-configure-ungoogled-chromium/
- Brave 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with improved privacy, safety + security and optimized speed:
http://brave.com/
Brave Repository:
http://github.com/brave/brave-browser/
Download [ZIP = full, Portable]:
http://github.com/brave/brave-browser/releases/latest/
- Vivaldi 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with enhanced privacy, safety + security:
http://vivaldi.com/
Download [EXE = Installer ONLY]:
http://vivaldi.com/download/
Vivaldi Portable -> run Installer EXE -> Install standalone:
http://help.vivaldi.com/desktop/install-update/standalone-version-of-vivaldi/
- Thorium 32-bit + 64-bit web browsers for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] hardware 3D, rendering + video playback optimized:
http://thorium.rocks/
Download [ZIP = full, Portable]:
Thorium AVX2 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium AVX 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium SS3 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-SSE3/releases/latest/
Thorium SSE2 (Win32) 32-bit edition for Windows 7/newer 32-bit (x86) + Thorium SSE3, SSE4, AVX + AVX2 64-bit editions for Windows 7/newer 64-bit (x64):
http://github.com/Alex313031/thorium-legacy/releases/latest/

Thorium Requirements:
- Multicore CPU: minimum Intel Core 2nd gen or AMD FX with built-in SSE4 (Streaming SIMD Extensions 4),
http://en.wikipedia.org/wiki/SSE4
AVX (Advanced Vector EXtensions)
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions
+ AES (Advanced Encryption Standard)
http://en.wikipedia.org/wiki/Advanced_Encryption_Standard
enhancements/multimedia extensions/instructions.
- Graphics video controller with 3D rendering + OpenGL capabilities.
Required Windows 7 64-bit (x64) Updates for Thorium 64-bit web browser enhanced hardware + software compatibility/support:
http://thorium.rocks/win7
- Windows 7 SP1/2008 R2 64-bit (x64) Servicing Stack Update 2019 KB4490628:
http://support.microsoft.com/kb/4490628/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4490628+x64
- Windows 7 SP1/2008 R2 64-bit (x64) SHA-2 Code Signing Support Update 2019 KB4474419:
http://support.microsoft.com/kb/4474419/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4474419+x64
- Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork]
optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
- X-Chromium (X-Launcher) Portable launcher:
http://www.winpenpack.com/en/download.php?view.1082
Download [EXE = Installer, full]:
http://sourceforge.net/projects/winpenpack/files/X-Chromium/releases/
Either install Chromium precompiled stable releases 32-bit or 64-bit:
http://chromium.woolyss.com/
or extract all files from portable archive [zip or 7z] + copy to the destination of your choice Chromium portable stable
releases 32-bit or 64-bit to match the Windows NTx [7/newer] operating system(s) [OS(es)]
build/edition/release/update/version + bit strength [32-bit (x86) or 64-bit (x64)] you are using.
All Chromium + Chrome alternatives/derivatives/forks/variants users must have these 3 environment variables:
GOOGLE_API_KEY=NO
GOOGLE_DEFAULT_CLIENT_ID=NO
GOOGLE_DEFAULT_CLIENT_SECRET=NO
Right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
SETX.EXE GOOGLE_API_KEY "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_ID "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_SECRET "NO" /M
Google API Keys:
http://chromium.woolyss.com/#google-api-keys
http://www.chromium.org/developers/how-tos/api-keys/
MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides +
Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
MDGx collection of essential + useful Chromium/Chrome extensions + tweaks -> "CHROMIUM" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php#:~:text=CHROMIUM%2FCHROME%20%5B%2A%5D
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* Firefox:
****
http://www.mdgx.com/7.php#:~:text=%2A%20Firefox%3A
MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox + SeaMonkey" section -> "Firefox" [+
alternatives/derivatives/forks/variants] web browsers topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
Firefox Stable (candidate):
http://ftp.mozilla.org/pub/firefox/nightly/
Firefox Alpha 1:
http://ftp.mozilla.org/pub/firefox/nightly/latest-trunk/
Firefox Alpha 2:
http://ftp.mozilla.org/pub/firefox/nightly/latest-mozilla-aurora/
Firefox Beta:
http://ftp.mozilla.org/pub/firefox/nightly/
Firefox Portable Stable:
http://www.portableapps.com/apps/internet/firefox_portable/
Firefox Portable Beta + Nightly:
http://www.portableapps.com/apps/internet/firefox_portable/test/
- TOR (The Onion Router) Browser 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Gecko
code [fork] with enhanced anonymity, privacy, safety + security:
http://www.torproject.org/download/languages/
Make TOR Browser Portable -> Install EXE -> select desired local/removable storage media location:
http://tb-manual.torproject.org/make-tor-portable/
TOR Browser Portable [OLDer Installer EXE]:
http://github.com/garethflowers/tor-browser-portable/
Download:
http://github.com/garethflowers/tor-browser-portable/releases/latest/
TOR Browser online Manual:

http://tb-manual.torproject.org/
- Waterfox 64-bit hardware/CPU optimized + improved privacy web browser for Windows 7/newer 64-bit (x64) based on Gecko code [fork]:
http://www.waterfox.net/
Download:
http://www.waterfox.net/download/
Waterfox FAQ:
http://www.waterfox.net/docs/faq/
- Pale Moon 32-bit + 64-bit hardware/CPU optimized web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Gecko code [fork]:
http://www.palemoon.org/
Download Portable + X-Launcher [Setup EXE or archived 7z]:
http://www.palemoon.org/download.shtml
Pale Moon FAQ + Help Forum:
http://forum.palemoon.org/viewforum.php?f=24
Pale Moon Extensions:
http://addons.palemoon.org/extensions/
- LibreWolf 64-bit web browser for Windows 7/newer 64-bit (x64) based on Gecko code [fork] with enhanced privacy, safety + security:
http://librewolf.net/
LibreWolf Windows Installer:
http://librewolf.net/installation/windows/
LibreWolf Windows Releases:
http://gitlab.com/librewolf-community/browser/windows/-/releases/
LibreWolf Portable:
http://www.portableapps.com/apps/internet/librewolf-portable/
LibreWolf FAQ:
http://librewolf.net/docs/faq/
See WINDOWS7.TXT (this file) or go to:
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
-> "Internet + Web Browsers Tweaks, Fixes + Tools" chapter
http://www.mdgx.com/7.php#:~:text=Internet%20%2B%20Web%20Browsers%20Tweaks%2C%20Fixes%20%2B%20Tools%20%5BChromium%2FChrome%2C%20Firefox
-> "* Firefox : " section for more Firefox tips, downloads + links.
http://www.mdgx.com/7.php#:~:text=%2A%20Firefox%3A
MDGx "@ Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSF
MDGx collection of essential Firefox/Mozilla add-ons + tweaks -> "FIREFOX" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php#:~:text=FIREFOX%20%5B%2A%5D
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* Internet Explorer (IE) web browser [DISCONTINUED from all NEWer Windows 10/2016/2019 builds/editions/releases/updates!]:
****
See MDGx "Internet Explorer (IE) 4/5/6/7/8/9/10/11 Essential FREE Fixes + Updates" chapter in SOFTWARE.TXT (included):
http://www.mdgx.com/ietoy.htm
R.I.P. Internet Explorer... :-)
http://www.cnn.com/2022/06/18/asia/internet-explorer-gravestone-viral-south-korea-intl-hnk/
RECOMMENDED:
****
Install an independent/3rd party free, open source, safe, secure, uncrippled, unlocked, unrestricted, modern web browser based on Chromium code with enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PRV
-> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Or if you prefer a Firefox based web browser -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
Firefox enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PSF

* Replace obsolete default proprietary Internet Explorer (IE) [DISCONTINUED!] search engine with a better, safer, more secure alternative, with enhanced privacy, less hard-to-disable/hard-to-find/hidden, undesirable/unnecessary/unneeded/unused/useless/unwanted ad(vertisement)s/"offers", spyware, annoyances, behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission data collection/logging, telemetry/"phone home", fingerprinting, profiling, surveillance, tracking (examples):
- Google:
http://www.google.com/
- Degoog:
http://degoog.org/
- Neocities Metasearch Aggregator + Redirector [random SearXNG server]:
http://searx.neocities.org/
- DuckDuckGo:
http://duckduckgo.com/
- Brave:
http://search.brave.com/
- Startpage:
http://www.startpage.com/
- Qwant:

http://www.qwant.com/
- More examples -> MDGx "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS
+ make it the default:
http://www.itstillworks.com/change-bing-google-12283088.html
http://smallbusiness.chron.com/change-bing-google-70809.html
http://www.howtogeek.com/709072/how-to-switch-to-duckduckgo-a-private-search-engine/
http://www.howtogeek.com/710128/what-is-duckduckgo-meet-the-google-alternative-for-privacy/
In this example I have selected Neocities [http://searx.neocities.org/] as default search engine. You can change to any
other according to your needs/preferences -> see MDGx "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS
Obsolete Method:
****
Start button/icon/logo/menu/orb -> Control Panel (CP) OR Run... [hold WinKey + press R] -> type this command:
control.exe
-> press Enter -> Internet Options (Properties) [inetcpl.cpl] -> Programs tab -> Manage Add-ons button -> highlight Search
Providers left side item -> Find more search providers link (URL) [DISCONTINUED! -> redirects to MS Edge web page :-(]:
http://www.iegallery.com/
which redirects to [DISCONTINUED! -> redirects to MS Edge web page :-(]:
http://www.microsoft.com/iegallery/
-> new Internet Explorer (IE) browser window opens -> Add (click) link below Google logo (example) -> back to Programs tab
-> Manage Add-ons window -> highlight Search Providers left side item -> highlight Google right side item -> Set default
button -> highlight all other right side items except Google (if any) 1 at a time -> Remove button for each one -> confirm
deletion of each item -> check Prevent programs from suggesting changes to my default search provider box -> Close button.
Working Method:
****
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
; Degoog [https://degoog.org/] metasearch aggregator with enhanced privacy used in this example:
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main]
"Default_Search_URL"="https://degoog.org/"
"Default_Page_URL"="https://degoog.org/"
"Start Page"="https://degoog.org/"
"Search Page"="https://degoog.org/"
"First Home Page"="https://degoog.org/"
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Main]
"Default_Search_URL"="https://degoog.org/"
"Default_Page_URL"="https://degoog.org/"
"Start Page"="https://degoog.org/"
"Search Page"="https://degoog.org/"
"First Home Page"="https://degoog.org/"
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Main]
"Default_Search_URL"="https://degoog.org/"
"Default_Page_URL"="https://degoog.org/"
"Start Page"="https://degoog.org/"
"Search Page"="https://degoog.org/"
"First Home Page"="https://degoog.org/"
;
------End cut & paste here------
More info -> all these MDGx topics (further below):
All these WWW (World Wide Web) search engines, some of whom have by default/preconfigured/preinstalled/out-of-the-box
enhanced anonymity/pseudonymity, privacy, safety + security features/functions/properties/protocols (further below):
- "@ Google search + (geo)location tracking, data, history, e-mail (Gmail), notifications + apps:"
- "@ Degoog Metasearch Aggregator with Enhaced Privacy:"
- "@ YouTube (YT) [clips, shorts, videos hosted, owned, controlled + operated by Google]:"
- "@ Bing Search, Live, Microsoft, MSN + Related/Shared Accounts, Services + Apps [owned by Microsoft]:"
- "@ Yahoo! (Y!) Search, Yahoo! Mail + Yahoo! News:"
- "@ DuckDuckGo (DDG) Search, Privacy Essentials + E-mail Protection:"
- "@ SearXNG Metasearch Aggregator Network:"
- "@ Startpage Search + Privacy Protection Add-on + Extension:"
- "@ Brave Search:"
- "@ Qwant Search:"
- "@ Ecosia Search:"
from the "Digital + Internet/Online Privacy, Safety + Security" chapter in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D
See also MDGx "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS

* Flash [DISCONTINUED!]:

http://www.mdgx.com/nettoys.htm#SHFL
Flash STAND ALONE:
http://adobe-flash-player.apponic.com/11.2.202.235-141412/
All major web browsers blocked Flash -> Unblock Flash:
http://windowsreport.com/adobe-flash-content-was-blocked/
MUST UNcheck ALL McAfee/Symantec boxes B4 installing Flash !!!
Flash Player STAND ALONE:
http://fpdownload.macromedia.com/pub/flashplayer/updaters/30/flashplayer_30_sa.exe
Flash Player DEBUG STAND ALONE:
http://fpdownload.macromedia.com/pub/flashplayer/updaters/30/flashplayer_30_sa_debug.exe
Flash PepperFlash (PPAPI) for Chromium/Chrome STAND ALONE:
http://fpdownload.macromedia.com/pub/labs/flashruntimes/flashplayer/install_flash_player_ppapi.exe
Flash PepperFlash (PPAPI) for Chromium/Chrome STAND ALONE PORTABLE:
http://sourceforge.net/projects/thumbapps/files/Utilities/Adobe%20Flash%20Player/
http://effect8.ru/soft/media/adobe-flash-player-portable.html
Flash Netscape Plug-in (NPAPI) for Firefox STAND ALONE:
http://fpdownload.macromedia.com/pub/labs/flashruntimes/flashplayer/install_flash_player.exe
Flash ActiveX (AX) for Internet Explorer (IE) STAND ALONE:
http://fpdownload.macromedia.com/pub/labs/flashruntimes/flashplayer/install_flash_player_ax.exe
=> Flash SETUP ONLY:
http://get.adobe.com/flashplayer/
http://get.adobe.com/flashplayer/update/ppapi/
http://get.adobe.com/flashplayer/update/plugin/
http://get.adobe.com/flashplayer/otherversions/
MUST UNcheck ALL McAfee/Symantec boxes B4 installing Flash !!!
Flash PepperFlash (PPAPI) for Chromium/Chrome SETUP ONLY:
http://get.adobe.com/flashplayer/?fpchrome
http://admdownload.adobe.com/bin/live/flashplayer30pp_xa_install.exe
Flash Netscape Plug-in (NPAPI) for Firefox SETUP ONLY:
http://admdownload.adobe.com/bin/live/flashplayer30_xa_install.exe
Flash ActiveX (AX) for Internet Explorer (IE) SETUP ONLY:
http://admdownload.adobe.com/bin/live/flashplayer30ax_xa_install.exe
Internet Explorer 11.0 (IE11) Flash ActiveX (AX) 32-bit + 64-bit for Windows 8/8.1 32-bit + 64-bit:
http://helpx.adobe.com/flash-player/kb/flash-player-issues-windows-8.html
http://support.microsoft.com/kb/4048951/
- IE11 Flash ActiveX (AX) 32-bit:
http://go.microsoft.com/fwlink/?linkid=328650
- IE11 Flash ActiveX (AX) 64-bit:
http://go.microsoft.com/fwlink/?linkid=328651
=> OLD Flash:
http://helpx.adobe.com/flash-player/kb/archived-flash-player-versions.html
http://www.filehippo.com/download_flashplayer/
http://www.oldapps.com/flash_player.php
Flash PepperFlash (PPAPI) for Chromium/Chrome Online Settings:
http://www.macromedia.com/support/documentation/en/flashplayer/help/settings_manager02.html
Chromium/Chrome Flash Help:
http://support.google.com/chrome/answer/6258784/
Use Flash with Chromium/Chrome:
http://helpx.adobe.com/flash-player/kb/flash-player-chromium.html
Install Flash Player Help:
http://helpx.adobe.com/flash-player.html

* Flash Player Stand Alone [DISCONTINUED!]:
Before installing OLDer Flash Player -> uninstall Flash Player (if any) -> restart/reboot.
Uninstall Flash Plug-in + ActiveX Control for Internet Explorer (IE):
http://www.adobe.com/?id=tn_14157
https://web.archive.org/web/20070503030542/http://www.adobe.com/cfusion/knowledgebase/index.cfm?id=tn_14157
If Flash Player for Internet Explorer (IE) installed -> you canNOT install OLDer versions.
Install OLDer Flash Player for Internet Explorer (IE):
http://helpx.adobe.com/flash-player/kb/install-earlier-flash-player-version.html
Flash Players 11.2.202.235 32-bit for Windows XP/2003/Vista/2008/7:
- Standalone: flashplayer11_2r202_235_win_sa_32bit.exe
- Internet Explorer: flashplayer11_2r202_235_winax_32bit.exe
- Internet Explorer: flashplayer11_2r202_235_winax_32bit.msi
- Netscape: flashplayer11_2r202_235_win_32bit.exe
- Netscape: flashplayer11_2r202_235_win_32bit.msi
- Uninstaller: uninstall_flashplayer11_2r202_235_win_32bit.exe
Flash Players 11.2.202.235 64-bit for Windows XP/2003/Vista/2008/7:
- Internet Explorer: flashplayer11_2r202_235_winax_64bit.exe
- Internet Explorer: flashplayer11_2r202_235_winax_64bit.msi
- Netscape: flashplayer11_2r202_235_win_64bit.exe
- Netscape: flashplayer11_2r202_235_win_64bit.msi
- Uninstaller: uninstall_flashplayer11_2r202_235_win_64bit.exe

* Flash Players + Savers/Downloaders [DISCONTINUED!]:
http://www.mdgx.com/nettoys.htm#FPSD
SWF Guide + Tools:
http://www.lifewire.com/swf-file-4138363/
SWF Tools: EXE to SWF Extractor:
http://swftools.sourceforge.net/exe-to-swf.html
File:
http://sourceforge.net/projects/swftools/files/eXe_To_SwF/eXeToSwF_Latest.zip

SWF Tools: SWF to EXE Converter:
http://swftools.sourceforge.net/swf-to-exe.html
File:
http://sourceforge.net/projects/swftools/files/SwF_To_eXe/Swf2eXe_Latest.zip
SWF Tools include Flash Player Projector Standalone 11.4.402.278 32-bit.
SWF -> EXE = Flash Player Projector Standalone 11.2.202.235 32-bit:
http://junebeetle.github.io/converter/executables/
File:
http://fpdownload.macromedia.com/get/flashplayer/installers/archive/fp_11.2.202.235_archive.zip
EXE -> SWF:
http://www.northcode.com/blog/Extract-SWF-files-from-Flash-Executables/
File:
http://www.northcode.com/free/exe2swf/exe2swf.exe
FLV Extract GUI (FLVExtract.exe) + command line (FLVExtractCL.exe) 32-bit tools:
http://www.moitah.net/
File:
http://www.moitah.net/download/latest/FLV_Extract.zip
SWFTools command line conversion, extraction + management SWF tools:
http://www.swftools.org/download.html

* Shockwave [DISCONTINUED!]:
http://www.mdgx.com/nettoys.htm#SHFL
http://codecpack.co/download/Shockwave_Player.html
Shockwave 32-bit Web Player + Plug-ins for Windows XP/newer + Apple, Google, Microsoft, Mozilla, Netscape + Opera 32-bit web browsers:
- Shockwave SLIM:
http://fpdownload.macromedia.com/get/shockwave/default/english/win95nt/latest/Shockwave_Installer_Slim.exe
- Shockwave FULL [attempts to install ADWARE/SHAREWARE/TRIALWARE!]:
http://fpdownload.macromedia.com/get/shockwave/default/english/win95nt/latest/Shockwave_Installer_Full.exe
- Shockwave FULL for Internet Explorer (IE) [attempts to install ADWARE/SHAREWARE/TRIALWARE!]:
http://fpdownload.macromedia.com/get/shockwave/default/english/win95nt/latest/sw_lic_full_installer.msi
OLD Shockwave Versions:
http://www.filehippo.com/download_shockwave/
http://www.oldapps.com/shockwave.php

* Silverlight [DISCONTINUED!]:
http://www.mdgx.com/nettoys.htm#SVL

* CleanIETempFiles (CleanIETempFiles.exe) 32-bit command line tool deletes Internet Explorer (IE) 7/newer Cookies, History + Temporary Internet Files (TIF):
http://blogs.msmvps.com/danielmartin/2011/03/11/191-c-243-mo-automatizar-la-eliminaci-243-n-de-temporales-de-internet-explorer/
File:
http://www.mdgx.com/files/CITF.ZIP
Executable [only]:
http://raw.githubusercontent.com/gliheng/Blackhole/master/data/bin/CleanIETempFiles.exe
Syntax (case insensitive):
-q   runs silent (Quiet = Q)
-c   deletes Cookies (C)
-h   deletes browsing History (H)
-t   deletes Temporary Internet Files (TIF = T)
Command line (example):
CleanIETempFiles.exe -c -h -t -q

* IEWebGL Plug-in for Internet Explorer (IE) 6/7/8/9/10:
http://github.com/iewebgl/iewebgl/
File:
http://raw.githubusercontent.com/iewebgl/iewebgl/master/WebSite2.0/Releases/iewebgl.exe
http://github.com/iewebgl/iewebgl/blob/master/WebSite2.0/Releases/iewebgl.exe?raw=true
http://github.com/iewebgl/iewebgl/blob/master/WebSite2.0/Releases/iewebgl.cab?raw=true
http://github.com/iewebgl/iewebgl/archive/master.zip
NOTE:
Internet Explorer (IE) 11 has WebGL code built-in and does NOT need IEWebGL!

* Best Free Wi-Fi Network Tools:
http://www.techsupportalert.com/best-free-wi-fi-network-finder-utility.htm

* NetworkInterfacesView 32-bit + 64-bit:
http://www.nirsoft.net/utils/network_interfaces.html
- NetworkInterfacesView 32-bit:
http://www.nirsoft.net/utils/networkinterfacesview.zip
- NetworkInterfacesView 64-bit:
http://www.nirsoft.net/utils/networkinterfacesview-x64.zip

* inSSIDer Wi-Fi network stats, benchmark, signal strength + security audit tool:
http://www.techspot.com/downloads/5936-inssider.html
File:
http://files01.tchspt.com/temp/inSSIDer-installer.msi

* NetSurveyor Wi-Fi 802.11 network stats, optimization + monitoring tool:
http://www.nutsaboutnets.com/netsurveyor-wifi-scanner/
File:
http://nutsaboutnets-downloads.s3.amazonaws.com/NetSurveyor-Setup.exe

* Wireless Network Watcher (WNetWatcher) 32-bit detects all network/internet connected devices:
http://www.nirsoft.net/utils/wireless_network_watcher.html
File:
http://www.nirsoft.net/utils/wnetwatcher.zip
Improve Your Wireless Network Performance Guide:
http://www.majorgeeks.com/content/page/how_to_improve_your_wireless_network_performance.html
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Digital + Internet/Online Privacy, Safety + Security = Your Top Priority [*]
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D

* Know Your Rights + Protect Yourself/Yourselves = Basic knowledge for all cybercitizens/netizens in the digital age:
****
This is valid for all users of Windows NTx [XP/newer] operating systems + software.
General Information, Guidance, Solutions...

@ For everybody no matter where you live:
****
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Wikipedia articles are available in over 330 languages:
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List of Wikipedias by language group:
http://meta.wikimedia.org/wiki/List_of_Wikipedias_by_language_group
WINDOWS7.TXT (this file) is also available online
- as HTML document:
http://www.mdgx.com/7.php
- as plain text/ASCII file:
http://www.mdgx.com/WINDOWS7.TXT
- and as PDF (Portable Document Format) document:
http://www.mdgx.com/WINDOWS7.pdf
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MDGx "Text/HTML/DOC/WWW Translation Engines":
http://www.mdgx.com/links.htm#TTE
[+] Reference + accredited/reliable sources:
****
- Wikipedia: Digital Privacy:
http://en.wikipedia.org/wiki/Digital_privacy
- Wikipedia: Personal Identifiable Information (Data):
http://en.wikipedia.org/wiki/Personal_data
- Wikipedia: Internet (Online) (data, digital, individual/personal, information) Privacy:
http://en.wikipedia.org/wiki/Internet_privacy
- Wikipedia: Information (Data) Privacy + Privacy Protection Legislation:
http://en.wikipedia.org/wiki/Information_privacy
- Wikipedia: Information (Data) Privacy -> all categories:
http://en.wikipedia.org/wiki/Category:Information_privacy
- Wikipedia: Privacy Laws:
http://en.wikipedia.org/wiki/Privacy_law
- Wikipedia: Information (Data) privacy laws:
http://en.wikipedia.org/wiki/Information_privacy_law
- Wikipedia: Net Neutrality:
http://en.wikipedia.org/wiki/Net_neutrality
- Wikipedia: Search Engine Privacy:
http://en.wikipedia.org/wiki/Search_engine_privacy
- Wikipedia: Privacy focused Search Engines + Web Browsers:
http://en.wikipedia.org/wiki/Internet_privacy#Privacy_focused_search_engines/browsers
- Wikipedia: Privacy concerns with social networking services (social media):
http://en.wikipedia.org/wiki/Privacy_concerns_with_social_networking_services
- Wikipedia: Internet (Online) privacy -> all categories:
http://en.wikipedia.org/wiki/Category:Internet_privacy
- Wikipedia: Internet (Online) (cyber, electronic, online) Safety:
http://en.wikipedia.org/wiki/Internet_safety
- Wikipedia: Internet (Online) Safety -> all categories:
http://en.wikipedia.org/wiki/Category:Internet_safety
- Wikipedia: Computer (cyber, data, digital, information, internet/online) Security:
http://en.wikipedia.org/wiki/Computer_security
- Wikipedia: Information Security (InfoSec):
http://en.wikipedia.org/wiki/Information_security
- Wikipedia: Data Security:
http://en.wikipedia.org/wiki/Data_security
- Wikipedia: Internet (Online) Security:
http://en.wikipedia.org/wiki/Internet_security

- Wikipedia: Computer Security -> all categories:
http://en.wikipedia.org/wiki/Category:Computer_security
- Common Types of Malicious Cyberattacks, Frauds, Hacks, Scams:
http://www.crowdstrike.com/cybersecurity-101/cyberattacks/most-common-types-of-cyberattacks/
- Wikipedia: Types of Cyberattacks, Frauds, Hacks, Scams -> all categories:
http://en.wikipedia.org/wiki/Category:Types_of_cyberattacks
- Wikipedia: Cyberattack:
http://en.wikipedia.org/wiki/Cyberattack
- Wikipedia: Internet (Online) Fraud:
http://en.wikipedia.org/wiki/Internet_fraud
- Wikipedia: Ad Fraud:
http://en.wikipedia.org/wiki/Ad_fraud
- Wikipedia: Click Fraud:
http://en.wikipedia.org/wiki/Click_fraud
- Wikipedia: Cyberbullying:
http://en.wikipedia.org/wiki/Cyberbullying
- Wikipedia: Cyberstalking:
http://en.wikipedia.org/wiki/Cyberstalking
- Wikipedia: Racism on The Internet (Online) (Cyber Racism):
http://en.wikipedia.org/wiki/Racism_on_the_Internet
- Wikipedia: Identity fraud:
http://en.wikipedia.org/wiki/Identity_fraud
- Wikipedia: Identity theft:
http://en.wikipedia.org/wiki/Identity_theft
- Wikipedia: Category -> Computer Surveillance:
http://en.wikipedia.org/wiki/Category:Computer_surveillance
- Wikipedia: Computer and Network Surveillance:
http://en.wikipedia.org/wiki/Computer_and_network_surveillance
- Wikipedia: Web Tracking:
http://en.wikipedia.org/wiki/Web_tracking
- NIH (National Institutes of Health) [U.S.A.]: Beware of Virtual Kidnapping Ransom Scams:
http://ors.od.nih.gov/News/Pages/Beware-of-Virtual-Kidnapping-Ransom-Scam.aspx
- FBI (Federal Bureau of Investigation) [U.S.A.]: Virtual Kidnapping:
http://www.fbi.gov/news/stories/virtual-kidnapping/
- FTC (Federal Trade Commission) [U.S.A.]: Phone Scams, How to Recognize + Stop Them:
http://consumer.ftc.gov/articles/phone-scams/
- ConnectSafely: Quick Guide to Virtual Kidnapping Scams:
http://connectsafely.org/virtualkidnapping/
- WIRED (YouTube channel): Scammer Payback Answers Digital + Online Scams + Scambaiting Questions [26 min video]:
http://www.youtube.com/watch?v=6nfGwSw-I14
- StarTalk [science popularization podcast] (YouTube channel): Cybercrime in The age of A.I. with Bitdefender cybersecurity expert [64 min video]:
http://www.youtube.com/watch?v=f_qrXKEDrd0
- StarTalk [science popularization podcast] (YouTube channel): Exploring The Power of Probability (security in the digital age) with Bitdefender cybersecurity expert [49 min video]:
http://www.youtube.com/watch?v=wpQU00IFg38
- Scammer Payback (YouTube channel): educational, informative videos:
http://www.youtube.com/@ScammerPayback/videos
- WIRED (YouTube channel): Trilogy Media Scam Fighters Answer Scam Questions [14 min video]:
- Trilogy Media Scam Fighters (YouTube channel): educational, informative videos:
http://www.youtube.com/@TrilogyMedia/videos
- Jim Browning: Tech Support Scams (YouTube channel): educational, informative videos:
http://www.youtube.com/@JimBrowning/videos
- All Things Secured (YouTube channel): Useful Digital/Internet/Online Cybersecurity Guides, How-Tos, Tips [videos]:
http://www.youtube.com/@AllThingsSecured/videos
- How To Protect Your Phone From Hackers [7 min video]:
http://www.youtube.com/watch?v=8J8z8ekeYVQ
- WIRED (YouTube channel): How Governments Spy On Protestors, And How To Avoid It [24 min video]:
http://www.youtube.com/watch?v=lL34WpoETds
- ZDNet: Cybersecurity 101: Protect your privacy from hackers, spies + the government:
http://www.zdnet.com/article/online-security-101-how-to-protect-your-privacy-from-hackers-spies-and-the-government/
Recognize, Avoid + Protect against Digital, Computer, E-mail, Internet, Online Breaches, Fraud, Hacks, Phishing, Scams:
- Avast: What Is A Scam: The Essential Guide to Staying Scam-Free:
http://www.avast.com/c-scam/
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http://www.fortinet.com/resources/cyberglossary/internet-fraud/
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http://www.cisa.gov/uscert/sites/default/files/publications/emailscams_0905.pdf
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http://en.wikipedia.org/wiki/Category:Internet_security
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http://datatracker.ietf.org/doc/html/rfc4949/
- NIST (National Institute of Standards and Technology) - CSRC (Computer Security Resource Center) [U.S.A.]: Cybersecurity
+ Digital/Online Privacy Glossary:
http://csrc.nist.gov/glossary/
- All Things Secured (YouTube channel): Useful Digital/Internet/Online Cybersecurity Guides, How-Tos, Tips [videos]:
http://www.youtube.com/@AllThingsSecured/videos
- Former NSA Hacker Reveals 5 Ways To Protect Yourself Online [3 min video]:
http://www.youtube.com/watch?v=-ni_PWxrsNo

@ For all who live in the United States of America (U.S.A.) states + territories:
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- Personal Identifiable Information (Data) in the United States:
http://en.wikipedia.org/wiki/Personal_data#United_States
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http://en.wikipedia.org/wiki/Internet_privacy#Internet_privacy_in_the_United_States
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http://en.wikipedia.org/wiki/Privacy_laws_of_the_United_States
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- CISA (Cybersecurity and Infrastructure Security Agency) [U.S.A.]: Securing Wireless Networks:
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- NIST (National Institute of Standards and Technology) - CSRC (Computer Security Resource Center) [U.S.A.]: Cybersecurity
+ Digital/Online Privacy Glossary:
http://csrc.nist.gov/glossary/
- US Federal Bureau of Investigation (FBI): Internet Crime Complaint Center (IC3)
http://www.ic3.gov/
Internet Crime Complaint Center (IC3) Resources
http://www.ic3.gov/Outreach/Resources/
Internet Crime Complaint Center (IC3) Brochures [PDF]
http://www.ic3.gov/Outreach/Brochures/
Types of Crime, Fraud, Scams + How to Protect Yourself/Yourselves [PDF]:
        - Fraud Alert: Contact IC3, Report Crime/Fraud/Scam, File Complaint [PDF]

http://www.ic3.gov/Outreach/Brochures/IC3-Fraud-Alert.pdf
- Elder Fraud + Scams [PDF]
http://www.ic3.gov/Outreach/Brochures/Elder_Fraud_Tri-fold.pdf
- Ransomware [PDF]
http://www.ic3.gov/Outreach/Brochures/Ransomware_Trifold_e-version.pdf
- Crypto + Investment Scams [PDF]
http://www.ic3.gov/Outreach/Brochures/2024_ABA_Cryptocurrency_Infographic.pdf

@ English [EN] = For all who live in the European Union (E.U.) countries, nations, sovereignties, states + territories:
@ Čeština [CS]: Pro všechny, kteří žijí v zemích, suverenity + území Evropské Unie (E.U.):
@ Dansk [DA]: For alle, der bor i den Europæiske Unions (E.U.) lande, suveræniteter + territorier:
@ Deutsch [DE] = Für alle in den ländern, souveränitäten + territorien der Europäischen Union (E.U.):
@ Elliniká [EL]: Gia ólous ósoi zoun se chóres, kyriarchíes + edáfi tis Evropaïkís Énosis (E.E.):
@ Español [ES] = Para todos que viven en los países, soberanías + territorios de la Unión Europea (U.E.):
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@ Italiano [IT] = Per tutti che vivono nei paesi, sovranità + territori dell'Unione Europea (U.E.):
@ Nederlands [NL]: Voor iedereen die in de landen, soevereiniteiten + territoria van de Europese Unie (E.U.) woont:
@ Polski [PL]: Dla wszystkich, którzy mieszkaja w krajach, suwerennosci + terytoria Unii Europejskiej (U.E.):
@ Português [PT]: Para todos os que vivem nos países, soberanias + territórios da União Europeia (U.E.):
@ Româna [RO]: Pentru toti cei care locuiesc în tarile, suveranitatile + teritoriile Uniunii Europene (U.E.):
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http://en.wikipedia.org/wiki/European_Union#Member_states
http://en.wikipedia.org/wiki/Languages_of_the_European_Union#Official_EU_languages
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http://meta.wikimedia.org/wiki/List_of_Wikipedias_by_language_group
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http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
into your language [copy & paste 1 of the 3 links/URLs above in the left side URL address/text box]:
https://translate.google.com/
MDGx "Text/HTML/DOC/WWW Translation Engines":
http://www.mdgx.com/links.htm#TTE
****
- Personal Identifiable Information (Data) in the European Union:
http://en.wikipedia.org/wiki/Personal_data#European_Union
- Internet (Online) Privacy in the European Union:
http://en.wikipedia.org/wiki/Internet_privacy#European_General_Data_protection_regulation
- Privacy Laws in the European Union:
http://en.wikipedia.org/wiki/Privacy_law#European_Union_(EU)
- Information privacy laws in the European Union:
http://en.wikipedia.org/wiki/Information_privacy_law#Europe
- Net Neutrality in the European Union:
http://en.wikipedia.org/wiki/Net_neutrality_in_the_European_Union
- Data protection + online privacy:
http://europa.eu/youreurope/citizens/consumers/internet-telecoms/data-protection-online-privacy/index_en.htm
- Data protection laws + rules:
http://ec.europa.eu/info/law/law-topic/data-protection/eu-data-protection-rules_en/
http://ec.europa.eu/info/law/law-topic/data-protection_en/
- General Data Protection Regulation (GDPR):
http://en.wikipedia.org/wiki/General_Data_Protection_Regulation
http://gdpr-info.eu/
- Data Protection Directive (DPD):
http://en.wikipedia.org/wiki/Data_Protection_Directive
http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A31995L0046

* E-mail, Accounts, Digital, Internet/Online Passwords, Passcodes, Passkeys, Passphrases + Codes, Pins, Keywords, Phrases:
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Find out if your digital, internet/online accounts, alerts, apps, blogs, e-mails, enrollments, feeds, forums, memberships, notifications, services, (web) sites, social media, subscriptions, etc confidential/personal/private/safe/secret/secure credentials, passwords/passcodes/passkeys/passphrases/pins codes/phrases/questions/(key)words have been breached/compromised/hacked/leaked, learn how to create better/stronger ones + how to encrypt/protect/safeguard/secure your accounts/assets/data/e-mails/information/messages/properties + implicitly your privacy, safety + security:
- MDGx "3. Digital + Internet/Online Privacy, Safety + Security Guides, Solutions + Tools [free(ware)]:" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSSGS
- Geckoandfly: Sites To Check If E-mail/Password Was Hacked, Leaked or Compromised:
http://www.geckoandfly.com/32570/
- gHacks: The Ultimate Online Privacy Test Resource List:
http://www.ghacks.net/2015/12/28/the-ultimate-online-privacy-test-resource-list/
- What Is My IP Address: Can You Spot A.I. Generated Emails? Why It's Important & How To Do It:
http://whatismyipaddress.com/can-you-spot-ai-generated-emails/
- LifeLock: A.I. Scams To Watch Out For:
http://lifelock.norton.com/learn/internet-security/ai-scams/
- The Family Handyman: How A.I. Can Help Scammers Hack Your Email:

http://www.familyhandyman.com/article/gmail-ai-hackers/
- E-mail IP Leak:
http://emailipleak.com/
- E-mail Privacy Tester:
http://emailprivacytester.com/
- E-mail Trace:
http://www.ip-adress.com/trace_email/
- Have I Been P(a)wned (HIBP)?: Has/Have My/Your E-mail(s) Been P(a)wned?:
http://haveibeenpwned.com/
- Have I Been P(a)wned (HIBP)?: Has/Have My/Your Password(s) Been P(a)wned?:
http://haveibeenpwned.com/Passwords/
- LeakedSource: Scan your e-mail(s) for breach(es)/hack(s)/leak(s):
http://www.leakedsource.com/
- Data Breach Check:
http://whatismyipaddress.com/breach-check/
- Reverse Phone Lookup:
http://www.whitepages.com/reverse-phone/
- Avast Hack Check: Scan your e-mail(s)/password(s) for breach(es)/hack(s)/leak(s):
http://www.avast.com/hackcheck/
- Has/Have your password(s) been leaked?:
http://cybernews.com/password-leak-check/
- World's BEST Password Advice:
http://www.michaelhorowitz.com/BestPasswordAdvice.php
- How-To Geek: Strong [hard to crack] Passwords Guide:
http://www.howtogeek.com/195430/how-to-create-a-strong-password-and-remember-it/
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http://ssd.eff.org/module/creating-strong-passwords/
- Privacy Guides: Introduction to Passwords:
http://www.privacyguides.org/en/basics/passwords-overview/
- WebRoot: Create A Strong and Unique Password:
http://www.webroot.com/us/en/resources/tips-articles/how-do-i-create-a-strong-password/
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http://www.cisa.gov/secure-our-world/use-strong-passwords/
- Pros + Cons: Log/Sign in/on/up with Apple, Facebook/Meta, Google, Twitter/X, etc account on 3rd party/other web sites:
http://dataoverhaulers.medium.com/is-it-safe-to-sign-in-with-google-facebook-twitter-apple-etc-78c7ea0092e6/
http://www.webfx.com/blog/web-design/social-logins/
http://www.howtogeek.com/735152/how-to-turn-off-the-sign-in-with-google-prompt-on-websites/
http://support.google.com/accounts/answer/12921417/
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http://www.youtube.com/watch?v=-cbtUYshYM8
Wikipedia: Robert Reich:
http://en.wikipedia.org/wiki/Robert_Reich
Wikipedia: Lina Khan:
http://en.wikipedia.org/wiki/Lina_Khan
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http://www.scamadviser.com/
- Media Smarts [Canada]: Cyber Security: Spam, Scams, Frauds + Identity Theft:
http://mediasmarts.ca/digital-media-literacy/digital-issues/cyber-security/cyber-security-spam-scams-frauds-identity-theft/
- Investopedia: Watch Out for Internet Scams:
http://www.investopedia.com/articles/personal-finance/040115/watch-out-these-top-internet-scams.asp
- WebRoot: E-mail Phishing, Vishing & Other Types of Attacks:
http://www.webroot.com/us/en/resources/tips-articles/what-is-phishing/
- FTC (Federal Trade Commission) [U.S.A.]: Detect, Recognize + Avoid (E-mail) Phishing Scams:
http://consumer.ftc.gov/articles/how-recognize-and-avoid-phishing-scams/
- CISA (Cybersecurity and Infrastructure Security Agency) [U.S.A.]: Recognizing + Avoiding (E-mail) Scams [PDF]:
http://www.cisa.gov/sites/default/files/publications/emailscams_0905.pdf
- IT Governance [U.K.]: Detect Phishing E-mails:
http://www.itgovernance.co.uk/blog/5-ways-to-detect-a-phishing-email/
- Skipser: Why You Should Be Careful Clicking The Unsubscribe Button:
http://www.skipser.com/p/2/p/careful-while-unsubscribing-from-mailing-lists.html
- Privacy Guides: E-mail Security:
http://www.privacyguides.org/en/basics/email-security/
- How-To Geek: Best Free Ways to Send Encrypted E-mail + Secure Messages:
http://www.howtogeek.com/135638/the-best-free-ways-to-send-encrypted-email-and-secure-messages/
- Guru99: Best Free Secure (Encrypted) E-mail Account Providers:
http://www.guru99.com/secure-email-service-provider.html
- Encrypt E-mail Messages in Gmail, Yahoo, Outlook, iCloud + Your Device(s):
http://clean.email/blog/email-security/how-to-encrypt-email/
http://cybernews.com/secure-email-providers/how-to-encrypt-email/
http://www.cloudwards.net/how-to-encrypt-your-emails/
- TerraNova Security: Keep Social Media Passwords Secure:
http://terranovasecurity.com/how-to-create-a-strong-password-in-7-easy-steps/
- Why You're Not Safe from Hackers with Rachel Tobac [64 min video]:
http://www.youtube.com/watch?v=D_VoZhMA5Xo
Wikipedia [FR]: Rachel Tobac:
https://fr-m-wikipedia-org.translate.goog/wiki/Rachel_Tobac?_x_tr_sl=fr&_x_tr_tl=en
- NirSoft: Windows, Windows Software + Online/Internet Password Recovery Tools [free(ware)]:
http://www.nirsoft.net/password_recovery_tools.html
- Major Geeks: Password Managers:
http://www.majorgeeks.com/files/categories/password_managers.html
- Wikipedia: Password strength:
http://en.wikipedia.org/wiki/Password_strength

* Malware, Virus + Spyware Scanning, Detection + Removal Info, Guides + Free(ware) Tools + FireWalls:
****
- Wikipedia: Malware:
http://en.wikipedia.org/wiki/Malware
- Wikipedia: Spyware Removal:
http://en.wikipedia.org/wiki/Category:Spyware_removal
- Wikipedia: Anti-Virus Software:
http://en.wikipedia.org/wiki/Antivirus_software
- New York Times (NYT): You Don't Need to Buy Antivirus Software:
http://www.nytimes.com/wirecutter/blog/best-antivirus/
- PC Mag: Do You Really Need to Buy an Antivirus App or a VPN Anymore?:
http://www.pcmag.com/how-to/do-you-really-need-to-buy-antivirus-or-vpn-anymore/
... But if you decide you need/wish to spend money on antivirus software...
- Wikipedia: Comparison of Antivirus Software for Microsoft Windows:
http://en.wikipedia.org/wiki/Comparison_of_antivirus_software#Microsoft_Windows
- PC Mag: Best Antivirus Software:
http://www.pcmag.com/picks/the-best-antivirus-protection/
- TechRadar: Best Antivirus Software for PC:
http://www.techradar.com/best/best-antivirus/
- MDGx "Get Anti-Viral: Protect Yourself!" tools, guides + links:
http://www.mdgx.com/vir.htm
- MDGx "Get Anti-Viral = Protect Yourself !" -> "Free Online Malware + Spyware Scanners" section:
http://www.mdgx.com/vir.htm#SS
- MDGx "Get Anti-Viral = Protect Yourself !" -> "Free(ware) Anti-Virus Tools, Info + Links" section:
http://www.mdgx.com/vir.htm#TL
- MDGx "Get Anti-Viral = Protect Yourself !" -> "Free(ware) Anti-Virus Software for Windows NTx" section:
http://www.mdgx.com/vir.htm#AVS
- MDGx "Get Anti-Viral = Protect Yourself !" -> "Free(ware) Virus, Trojan, Worm, Rootkit + Malware Removal Tools" section:
http://www.mdgx.com/vir.htm#RMV
- MDGx "Free Online Privacy, Safety + Security Scanners":
http://www.mdgx.com/safety.htm
- STAY SAFE = Scan for viruses *all* files downloaded from the internet!:
http://www.mdgx.com/vir.htm#SS
- MDGx "Beware of False Positives" in FALSPOSI.TXT (included):
http://www.mdgx.com/fp.php
http://www.mdgx.com/FALSPOSI.TXT
- Wikipedia: Computer/Device/Portable fingerprint:
http://en.wikipedia.org/wiki/Device_fingerprint
- Wikipedia: Fingerprinting (computing):
http://en.wikipedia.org/wiki/Fingerprint_(computing)
- Wikipedia: Comparison of Firewalls:
http://en.wikipedia.org/wiki/Comparison_of_firewalls
- Wikipedia: FireWalls:
http://en.wikipedia.org/wiki/Firewall_(computing)
- Best Free(ware) FireWalls for Windows NTx:
http://www.softwaretestinghelp.com/best-free-firewall/
http://www.lifewire.com/free-firewall-programs-4129270/
http://www.makeuseof.com/tag/free-firewalls-windows-compared/
- MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" -> "FIREWALL" + "INTERNET" sections in TOOLS.TXT
(included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
- MDGx "Free(ware) Windows 9x/NTx Firewalls, Anti-Spyware + Internet Monitors" chapter -> "Free(ware) Windows 9x/NTx
Anti-Spyware" section in SOFTWARE.TXT (included):
http://www.mdgx.com/fw.htm#ASP
- MDGx "Free(ware) Windows 9x/NTx Firewalls, Anti-Spyware + Internet Monitors" chapter -> "Free(ware) Windows 9x/NTx
Firewalls" section in SOFTWARE.TXT (included):
http://www.mdgx.com/fw.htm#FWL
- MDGx "HOSTS Files, Guides + Tools":
http://www.mdgx.com/hosts.php
Example of HOSTS file -> 10_BLOCK.TXT (included) -> "HOSTS" chapter [last 1 at the bottom]:
http://www.mdgx.com/10BLK/10_BLOCK.php#TXT

* Everything about HTTP/web/internet/browser Cookies:
****
http://www.mdgx.com/7.php#:~:text=%2A%20Everything%20about%20HTTP%2Fweb%2Finternet%2Fbrowser%20Cookies%3A
- Privacy Policies: Browser Cookies: The Ultimate Guide:
http://www.privacypolicies.com/blog/browser-cookies-guide/
- HTML.com: Are You Using Cookies? This Ultimate Guide is for You:
http://html.com/resources/cookies-ultimate-guide/
- Cookie Central: What are cookies?:
http://www.cookiecentral.com/cm002.htm
- Cookie Central: The Unofficial Cookie FAQ:
http://www.cookiecentral.com/faq/
- Cookie Script: All You Need to Know About Third-Party Cookies:
http://cookie-script.com/all-you-need-to-know-about-third-party-cookies.html
- CookieYes: United States of America (U.S.A.) Cookie Laws:
http://www.cookieyes.com/knowledge-base/cookie-consent/are-there-cookie-laws-in-the-us/
- GDPR E.U.: European Union (E.U.) GDPR (General Data Protection Regulation) Cookie Law:
http://gdpr.eu/cookies/

- Vox: Why every website wants you to accept its cookies:
http://www.vox.com/recode/2019/12/10/18656519/
- Medium: Cookies Visualized: Everything you ever need to know about Web Cookies:
http://medium.com/from-the-scratch/cookies-visualized-c5f3b403dc65/
- FTC (Federal Trade Commission) [U.S.A.]: Internet Cookies:
http://www.ftc.gov/policy-notices/privacy-policy/internet-cookies/
- ProPrivacy: Block/Disable/Turn OFF Cookies in all Web Browsers:
http://proprivacy.com/ruinmysearchhistory/how-to-block-cookies/
- How-To Geek: Block Third Party Cookies in Every Web Browser:
http://www.howtogeek.com/241006/how-to-block-third-party-cookies-in-every-web-browser/
- SlashGear: Block Cookie Banners On Every Website:
http://www.slashgear.com/1057908/
- Google Chromium/Chrome: Clear, Disable/Enable + Manage Cookies + 3rd party Cookies in Chromium/Chrome:
http://support.google.com/chrome/answer/95647/
- Google Chromium/Chrome: View, Edit + Delete Cookies:
http://developer.chrome.com/docs/devtools/storage/cookies/
- Mozilla Firefox: Cookies - Information that websites store on your computer:
http://support.mozilla.org/kb/cookies-information-websites-store-on-your-computer/
- Mozilla Firefox: Cookies and cache:
http://support.mozilla.org/products/firefox/protect-your-privacy/cookies/
- Mozilla Firefox: 3rd party Cookies and Firefox tracking protection:
http://support.mozilla.org/kb/third-party-cookies-firefox-tracking-protection/
- Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers extensions for managing cookies:
http://chromewebstore.google.com/search/cookies
- Firefox [+ alternatives/derivatives/forks/variants] web browsers add-ons for managing cookies:
http://addons.mozilla.org/firefox/search/?q=cookies
- Microsoft Edge: Disable Cookies in Edge:
http://cookie-script.com/knowledge-base/disable-cookies-edge/
- Microsoft Edge: View, Edit + Delete Cookies:
http://learn.microsoft.com/microsoft-edge/devtools-guide-chromium/storage/cookies/
- Microsoft Internet Explorer (IE): Disable *All* Cookies (including 3rd party Cookies) in Internet Explorer (IE):
http://www.cookiesandyou.com/disable-cookies/windows/ie/
- Microsoft Internet Explorer (IE): Delete Cookie files in Internet Explorer (IE):
http://support.microsoft.com/topic/bca9446f-d873-78de-77ba-d42645fa52fc
- CookieYes: Check Cookies in Your Web Browsers + on Your Devices Manually:
http://www.cookieyes.com/blog/how-to-check-cookies-on-your-website-manually/
- wikiHow: View Cookies in All Major Web Browsers:
http://www.wikihow.com/View-Cookies
- Google Account(s): Turn Cookies ON or OFF:
http://support.google.com/accounts/answer/61416/
- MakeUseOf (MUO): Supercookies (Evercookies): What Are Supercookies? Remove Them Properly:
http://www.makeuseof.com/tag/what-are-supercookies-and-why-are-they-dangerous/
- NordVPN: Supercookies (Evercookies): Definition + Removal:
http://nordvpn.com/blog/super-cookies-going-global/
- Mozilla Blog: Supercookies (Evercookies): Cookies + Supercookies Explained:
http://blog.mozilla.org/internet-culture/mozilla-explains-cookies-and-supercookies/
- CompariTech: Supercookies (Evercookies): Super Cookies + Remove Them:
http://www.comparitech.com/identity-theft-protection/supercookie/
- Cookie Law Info: Best free cookie checkers for websites:
http://www.cookielawinfo.com/free-cookie-checker-for-websites/
- ClearCookies BATch (.bat) file [ClearCookies.bat] [UNMAINTAINED!] deletes all stored cookies from most popular web browsers: Chrome/Chromium, Firefox, Internet Explorer (IE), Opera, Safari:
http://github.com/CCrashZer0/ClearCookies/
File:
http://github.com/CCrashZer0/ClearCookies/blob/master/ClearCookies.bat
- CatOnMat: Batch files + command line tools to delete Cookies, Cache + History in all major web browsers:
http://www.catonmat.net/clear-privacy-ie-firefox-opera-chrome-safari/
- Wikipedia: HTTP/Web/Internet/Web Browser Cookies:
http://en.wikipedia.org/wiki/HTTP_cookie
- Wikipedia: Third (3rd) Party Cookies:
http://en.wikipedia.org/wiki/Third-party_cookies
- Wikipedia: HTTP/Web/Internet/Web Browser Evercookies (Supercookies):
http://en.wikipedia.org/wiki/Evercookie
- Wikipedia: Zombie Cookies:
http://en.wikipedia.org/wiki/Zombie_cookie

STRONGLY RECOMMENDED:
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Enjoy your digital + internet/online live(s), protect your digital persona(s), enhance your online/personal privacy, safety, security, avoid/block/disable/opt OUT of/stop/turn OFF dangerous/insecure/unsafe, undesirable/unnecessary/unneeded/unused/useless/unwanted, behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission, annoying/bloat/resource consuming/wasting ad(vertisement)s/adware, cookies, hacking, phishing, viruses, malware, spyware, surveillance, fingerprinting, profiling, (geo)tracking, (diagnostic) tracking, telemetry ("phone home"), data/info collection/logging, (customer) "experience", "offers", "promo(tion)s", "reminders", "suggestions", "trials", "updates", widgets in your Operating System(s) [OSes], devices (phones, tablets, pads, portables), e-mail, messaging, web browser(s) + online apps, chat rooms, (social) media, forums, (web) sites, software, tools, games, accounts, enrollments, feeds, memberships, notifications, services, subscriptions, etc.
Obviously, for profit businesses want your money, and they'll do just about anything in order to get as much as possible. That's why a lot of software/services advertisers/businesses/developers/manufacturers/vendors, even some of the ones you think of as being dependable/reliable/trustworthy (attempt to) bundle, install, package and somehow sneak in annoying bloatware, junk, unnecessary, unwanted, useless adware (advertisement banners, apps, pop-ups, scrollers, widgets), toolbars,

trackers, web browser add-ons, extensions (which constantly collect/harvest, track, and send your personal data, info, history, preferences, search queries to their servers/sites/computers unauthorized, without your approval, consent, knowledge or permission), crippled/limited features shareware/time limited/trial accounts/add-ons/apps/enrollments/extensions/features/memberships/notifications/services/software/subscriptions.
Here are a few things you can do to get rid of them effortlessly, in a nick of time, and they're all free... ;-/

* Web Browsers, Platforms, Computers + Devices Online Protection Guides + Tools for Privacy, Safety + Security:
****
- MDGx: "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS
- MDGx: "Anonymous + Faster Surfing":
http://www.mdgx.com/links.htm#ANO
- MDGx: "HOSTS Files, Guides + Tools":
http://www.mdgx.com/hosts.php
- MDGx: "Get Anti-Viral: Protect Yourself!" -> tools, guides + links:
http://www.mdgx.com/vir.htm
- MDGx: "Free(ware) Windows 9x/NTx Firewalls, Anti-Spyware + Internet Monitors" section in SOFTWARE.TXT (included):
http://www.mdgx.com/fw.htm
- MDGx: "Cellular/Mobile Devices/Pads/Phones/Tablets Privacy, Safety + Security" Apps, Guides, Settings, Tips, Tools in PHONPRIV.TXT (included):
http://www.mdgx.com/phonpriv.php
http://www.mdgx.com/PHONPRIV.TXT
http://www.mdgx.com/PHONPRIV.pdf
- FMHY: Ad Blockers, Anti-Virus, Privacy Tools, DNS, Proxies, VPNs, Encrypted E-mail, etc:
http://fmhy.net/privacy/
- AvoidTheHack!: Block Ads, Trackers + Malware in Web Browsers, Devices + Networks:
http://avoidthehack.com/how-to-block-ads/
- Cover Your Tracks (CYT) -> Test Your Web Browser(s):
http://coveryourtracks.eff.org/
- Simple Opt Out: From 100+ web sites who market, sell + share for profit your personal/private data/info:
http://simpleoptout.com/
- AdBlock Tester -> Test Your Web Browser(s):
http://adblock-tester.com/
- Test Ad Block -> Test Your Web Browser(s) [discontinued!]:
https://web.archive.org/web/20250117051439/http://d3ward.github.io/toolz/adblock.html
- Can You Block It? Adblocker Test -> Test Your Web Browser(s):
http://canyoublockit.com/testing/
- AmIUnique: My browser fingerprint -> Test Your Web Browser(s):
http://amiunique.org/fingerprint/
- No JS (JavaScript) Fingerprinting -> Test Your Web Browser(s) [discontinued!]:
https://web.archive.org/web/20250417002108/https://noscriptfingerprint.com/
Disabling JavaScript Won't Save You from Fingerprinting:
http://fingerprint.com/blog/disabling-javascript-wont-stop-fingerprinting/
- Device Info -> Test Your Web Browser(s):
http://www.deviceinfo.me/
- Gibson Research Corporation (GRC): DNS Nameserver Spoofability Test -> Test Your IP(s) in Your Web Browser(s):
http://www.grc.com/dns/dns.htm
- Cloudflare Browsing Experience Security Check: Secure DNS, DNSSEC, TLS + Secure SNI (Server Name Indication) [Encrypted Client Hello (ECH)] -> Test Your Web Browser(s):
http://www.cloudflare.com/ssl/encrypted-sni/
- IPLeak: IP/DNS Detect -> Test Your Web Browser(s):
http://ipleak.net/
- WebRTC IP leaks -> Test Your Web Browser(s):
http://diafygi.github.io/webrtc-ips/
- TorZillaPrint (TZP) -> Test Your Web Browser(s) [requires Firefox/derivative/fork/variant 102/newer!]:
http://arkenfox.github.io/TZP/tzp.html
- Test Permission related UIs (User Interface) for web APIs (Application Programming Interface) -> Test Your Web Browser(s):
https://permission.site/
- BrowserLeaks: DNS (Domain Name System) Leak Test -> Test Your Web Browser(s):
http://browserleaks.com/dns/
- BrowserLeaks: Test Your Web Browser(s) for fingerprinting, geo(location), tracking, spying, spoofing, leaks, beacons, auditing, scripting:
http://browserleaks.com/
- BrowserLeaks: Social Media Login Detection:
http://browserleaks.com/social/
- SpeedGuide: IP Locator Scanner:
http://www.speedguide.net/ip/
- SpeedGuide: Security Scanner:
http://www.speedguide.net/scan.php
- SpeedGuide: TCP/IP 65535 Ports Scanner:
http://www.speedguide.net/ports.php
- WebBrowserTools: Check online privacy, safety + security of your web browser(s):
http://webbrowsertools.com/
- Whoer: My IP, DNS Leak, Evercookie (Supercookie) + Port Scanner Tests:
http://whoer.net/
- Whoer: My IP Test:
http://whoer.net/
- Whoer: DNS Leak Test:
http://whoer.net/dns-leak-test/
- DNS leak test: How to fix a DNS Leak:

http://www.dnsleaktest.com/how-to-fix-a-dns-leak.html
- Whoer: Evercookie (Supercookie) Test:
http://whoer.net/evercookie/
- Whoer: Port Scanner:
http://whoer.net/port-scanner-online/
- PrivacyTests: Web Browsers Compared - Privacy Tests:
http://privacytests.org/
- Can I Use... Security Features [all web browsers]:
http://caniuse.com/?cats=Security
- How-To Geek: Optimize Chromium/Chrome for Maximum Privacy:
http://www.howtogeek.com/100361/how-to-optimize-google-chrome-for-maximum-privacy/
- Woolyss Chromium: Secure Preferences:
http://chromium.woolyss.com/#secure-preferences
- Woolyss Chromium: Privacy Guidelines:
http://chromium.woolyss.com/#privacy
- Wikipedia: WWW (World Wide Web) Tracking Methods:
http://en.wikipedia.org/wiki/Web_tracking#Methods
- Wikipedia: Google Chrome user tracking concerns:
http://en.wikipedia.org/wiki/Google_Chrome#User_tracking_concerns
- Privacy Tools: Best Privacy Web Browsers:
http://www.privacytools.io/private-browser/
- Privacy Tools: Best Privacy Web Browsers Add-ons + Extensions:
http://www.privacytools.io/privacy-browser-addons/
- Chromium/Chrome + Firefox Privacy Add-ons + Extensions:
http://wiki.archlinux.org/title/Browser_extensions#Privacy
- Privacy Settings:
http://github.com/StellarSand/privacy-settings/
- Awesome Privacy:
http://awesome-privacy.xyz/
- Awesome Privacy: Recommended Web Browsers Add-ons/Extensions:
http://awesome-privacy.xyz/security-tools/browser-extensions/
- The Ultimate Personal Security Checklist:
http://digital-defense.io/
- The Hitchhiker's Guide to Online Anonymity:
http://anonymousplanet.org/guide.html
- Beginner's Guide to Data Privacy + Cybersecurity:
http://thenewoil.org/
- A Defensive Computing Checklist:
http://defensivecomputingchecklist.com/indexold.php
- A Defensive Computing Checklist -> Full Site Index:
http://defensivecomputingchecklist.com/
- A Defensive Computing Checklist -> Web Browsers:
http://defensivecomputingchecklist.com/WebBrowsers.php
- A Defensive Computing Checklist -> Windows:
http://defensivecomputingchecklist.com/windows.php
- The Markup: Browsers, Extensions/Add-ons, Cookies, Tracking:
http://themarkup.org/ask-the-markup/2020/09/22/i-scanned-the-websites-i-visit-with-blacklight-and-its-horrifying-now-what/
- LifeWire: Browser Hijackers: Protect Yourselves:
http://www.lifewire.com/what-is-a-browser-hijacker-4777175/
- The Markup: High Privacy Cost of "Free" Websites:
http://themarkup.org/blacklight/2020/09/22/blacklight-tracking-advertisers-digital-privacy-sensitive-websites/
- Cover Your Tracks (CYT): Browsers, Trackers, Cookies, Fingerprinting:
http://coveryourtracks.eff.org/learn
- Cloudwards: Block Ads in Chromium/Chrome web browsers -> Ad-Free Browsing:
http://www.cloudwards.net/block-ads-on-chrome/
- GroovyPost: Block Ads in Firefox web browsers -> Ad-Free Browsing:
http://www.groovypost.com/howto/block-ads-in-firefox/
- Make Tech Easier (MTE): Social (3rd party/cross-site/external/federated/outsourced) Logins:
http://www.maketecheasier.com/are-social-logins-secure-private/
- Make Tech Easier (MTE): Strong Passwords:
http://www.maketecheasier.com/create-strong-password/
- Privacy Guides: Introduction to Passwords:
http://www.privacyguides.org/en/basics/passwords-overview/
- WebRoot: Create A Strong and Unique Password:
http://www.webroot.com/us/en/resources/tips-articles/how-do-i-create-a-strong-password/
- CISA (Cybersecurity and Infrastructure Security Agency) [U.S.A.]: Use Strong Passwords:
http://www.cisa.gov/secure-our-world/use-strong-passwords/
- Pros + Cons: Log/Sign in/on/up with Apple, Facebook/Meta, Google, Twitter/X, etc account on 3rd party/other web sites:
http://dataoverhaulers.medium.com/is-it-safe-to-sign-in-with-google-facebook-twitter-apple-etc-78c7ea0092e6/
http://www.webfx.com/blog/web-design/social-logins/
http://www.howtogeek.com/735152/how-to-turn-off-the-sign-in-with-google-prompt-on-websites/
http://support.google.com/accounts/answer/12921417/
- indulge: Web Browser Fingerprinting: Google's Latest Move in The Privacy War:
http://indulge.digital/blog/browser-fingerprinting-google%E2%80%99s-latest-move-privacy-war
- Robert Reich: The Shady World of Surveillance Pricing (Ft. Lina Khan) [5 min video]:
http://www.youtube.com/watch?v=-cbtUYshYM8
Wikipedia: Robert Reich:
http://en.wikipedia.org/wiki/Robert_Reich
Wikipedia: Lina Khan:
http://en.wikipedia.org/wiki/Lina_Khan
- IVPN: IVPN Privacy Guides:
http://www.ivpn.net/privacy-guides/

- Privacy Guides: Common Threats:
http://www.privacyguides.org/en/basics/common-threats/
- Privacy Guides: Recommended Secure DNS (Domain Name System) Resolvers Providers:
http://www.privacyguides.org/en/dns/#recommended-providers
- MDGx: "Public Root DNS Servers" chapter in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
- ProPrivacy: The Ultimate Online Privacy Guide:
http://proprivacy.com/guides/the-ultimate-privacy-guide/
- Privacy Tools: Privacy Tools Software Alternatives and Encryption:
http://www.privacytools.io/
- Prism Break: Anti-Surveillance Hardware + Software [free(ware) + open source]:
http://prism-break.org/
- gHacks: The Ultimate Online Privacy Test Resource List:
http://www.ghacks.net/2015/12/28/the-ultimate-online-privacy-test-resource-list/
- MakeUseOf (MUO): Online Security Guide: 100+ Tips to Stay Safe Against Malware + Scams:
http://www.makeuseof.com/tag/online-security-tips/
- Global Privacy Control (GPC):
http://globalprivacycontrol.org/
- Privacy Guides: Privacy Tools [free(ware) + open source]:
http://www.privacyguides.org/en/tools/
- Spread Privacy: Protect your Privacy on your Devices:
http://spreadprivacy.com/tag/device-privacy-tips/
- Spread Privacy: Privacy Crash Course:
http://spreadprivacy.com/tag/privacy-newsletter/
- Techlore: Spreading privacy & security to the masses:
http://techlore.tech/
- EFF (Electronic Frontier Foundation): HTTPS Is Actually Everywhere:
http://www.eff.org/deeplinks/2021/09/https-actually-everywhere/
- EFF (Electronic Frontier Foundation): Do Not Track (DNT):
http://www.eff.org/issues/do-not-track/
- EFF (Electronic Frontier Foundation): Surveillance Self-Defense (SSD):
http://ssd.eff.org/
- EFF (Electronic Frontier Foundation) SSD: Fingerprinting Explained:
http://ssd.eff.org/module/what-fingerprinting/
- EFF (Electronic Frontier Foundation): Disable Ad ID Tracking on iOS (IDFA)
and Android (AAID), and Why You Should Do It Now:
http://www.eff.org/deeplinks/2022/05/how-disable-ad-id-tracking-ios-and-android-and-why-you-should-do-it-now/
- TOR Project Blog: Web Browser Fingerprinting: Introduction + Challenges:
http://blog.torproject.org/browser-fingerprinting-introduction-and-challenges-ahead/
- Firefox + Chromium compared: (In)Security Features:
http://madaidans-insecurities.github.io/firefox-chromium.html
- Wikipedia: Web Browser fingerprint:
http://en.wikipedia.org/wiki/Device_fingerprint#Browser_fingerprint
- Wikipedia: Fingerprinting (computing):
http://en.wikipedia.org/wiki/Fingerprint_(computing)
- Wikipedia: Web Browser sniffing:
http://en.wikipedia.org/wiki/Browser_sniffing
- Wikipedia: Web Browser user agent:
http://en.wikipedia.org/wiki/User_agent
- Turn OFF *all* Apps, Desktop, Platform + Web Push Notifications in web browsers:
Chromium/Chrome:
http://support.google.com/chrome/answer/3220216/
Firefox:
http://support.mozilla.org/kb/push-notifications-firefox/
Safari:
http://support.apple.com/guide/safari/customize-website-notifications-sfri40734/mac/
Edge:
http://blogs.windows.com/msedgedev/2016/05/16/web-notifications-microsoft-edge/
- Firefox privacy and security features:
http://support.mozilla.org/kb/firefox-privacy-and-security-features/
- Privacy and security settings:
http://support.mozilla.org/products/firefox/privacy-and-security/
- Protect your privacy:
http://support.mozilla.org/products/firefox/protect-your-privacy/
- "Private Browsing" (Incognito Mode) - Use Firefox without saving history:
http://support.mozilla.org/kb/private-browsing-use-firefox-without-history/
- Cookies and cache:
http://support.mozilla.org/products/firefox/protect-your-privacy/cookies/
- 3rd party Cookies and Firefox tracking protection:
http://support.mozilla.org/kb/third-party-cookies-firefox-tracking-protection/
- Firefox built-in Phishing and Malware Protection:
http://www.mozilla.org/firefox/phishing-protection/
- Change/Set Windows 10/11 default web browser to other than Edge [or the discontinued Internet Explorer (IE)]:
http://www.avg.com/en/signal/set-your-default-browser/
- Make Chromium/Chrome your default web browser in Windows 10/11:
http://support.google.com/chrome/answer/95417/
- Make Firefox your default web browser in Windows 10/11:
http://support.mozilla.org/kb/how-change-your-default-browser-firefox-windows/
- Make Chromium/Chrome or alternative/derivative/fork/variant your default web browser in Windows 8/8.1:
http://www.solveyourtech.com/set-google-chrome-as-the-default-browser-in-windows-8/
- Make Firefox or alternative/derivative/fork/variant your default web browser in Windows 8/8.1:
http://support.mozilla.org/kb/setting-firefox-default-browser-does-not-work/

- Change/Set Windows 7 default web browser to Chromium/Chrome or Firefox:
http://www.groovypost.com/howto/change-default-browser-windows-7/
- Turn ON the Do Not Track (DNT) feature:
http://dnt.mozilla.org/
- Turn ON Global Privacy Control (GPC) in Firefox:
http://blog.mozilla.org/netpolicy/2021/10/28/implementing-global-privacy-control/
-> Global Privacy Control (GPC):
http://globalprivacycontrol.org/
- Best ad blockers:
http://addons.mozilla.org/blog/whats-the-best-ad-blocker-for-you/
- Best anti-trackers:
http://addons.mozilla.org/blog/top-anti-tracking-extensions/
- Enhanced Tracking Protection in Firefox for Desktop:
http://support.mozilla.org/kb/enhanced-tracking-protection-firefox-desktop/
- Privacy & Security:
http://blog.mozilla.org/category/privacy-security/
- Mozilla Security:
http://www.mozilla.org/security/
- Startpage: Set up your Android for Privacy:
http://www.startpage.com/privacy-please/privacy-guides/how-to-set-up-your-android-for-privacy/
- Privacy Guides: Android OS, Settings + Apps:
http://www.privacyguides.org/en/android/
- ComputerWorld: The ultimate guide to privacy on Android:
http://www.computerworld.com/article/3545530/
- The Register: How Google tracks Android device users before they've even opened an app:
http://www.theregister.com/2025/03/04/google_android/
- chrizel: iOS Security and Privacy Guide:
http://github.com/chrizel/iOS-Security-and-Privacy-Guide/
- Defending Digital: Apple iOS Security and Privacy Guide (for iPhone and iPad):
http://defendingdigital.com/apple-ios-security-privacy-guide/
- Smishing (cellular/mobile device SMS/text messaging phishing) + Defend Against It:
http://usa.kaspersky.com/resource-center/threats/what-is-smishing-and-how-to-defend-against-it/
- The Register: Kill Google AMP (Accelerated Mobile Pages) before it kills the web:
http://www.theregister.com/2017/05/19/open_source_insider_google_amp_bad_bad_bad/
- Wikipedia: Accelerated Mobile Pages (AMP):
http://en.wikipedia.org/wiki/Accelerated_Mobile_Pages
- Navigate the Tnternet using a VPN (Virtual Private Network):
http://cybernews.com/how-to-use-vpn/
- VPN Guide:
http://www.security.org/vpn/
- Privacy Affairs: Complete VPN Beginner Guide:
http://www.privacyaffairs.com/beginners-guide-to-vpn/
- Privacy Guides: VPN Overview:
http://www.privacyguides.org/en/basics/vpn-overview/
- VPNs + VPN Providers for Consumers:
http://vpnoverview.com/vpn-information/what-is-a-vpn/
- RestorePrivacy: Everything You Need to Know about VPNs:
http://restoreprivacy.com/vpn/
- FMHY: VPNs: VPN Servers, Tips, Tools:
http://fmhy.net/privacy/#vpn
- Best free VPN providers, servers, services, apps, extensions/add-ons [DOC]:
http://docs.google.com/spreadsheets/d/1OEXTIfsCpYtDBkMg3dlOS1-o6Am9DuuxFD_FiUOvGIk/
- Best VPN Comparison Table [DOC]:
http://docs.google.com/spreadsheets/d/e/2PACX-1vR1NYwdWrRvNISlCZib1L1U5oEqe42tAljThUrlhp7RHGujAJXGmueaVb23G8SRk48X9sJBIJLbtlAr/pubhtml
- VPN Comparison Table [DOC]:
http://docs.google.com/spreadsheets/d/1ijfqfLrJWLUVBfJZ_YalVpstWsjw-JGzkvMd6u2jqEk/
- Techlore: VPN Comparison Tool:
http://vpn.techlore.tech/
- C|Net: Best Free VPNs: Privacy Without The Cost:
http://www.cnet.com/tech/services-and-software/best-free-vpn/
- PCMag: The Best Free VPNs:
http://www.pcmag.com/picks/the-best-free-vpns/
- VPNOverview: Best Free VPN Providers:
http://vpnoverview.com/best-vpn/free-vpn/
- Tom's Guide: The Best Free VPN:
http://www.tomsguide.com/best-picks/best-free-vpn/
- TechRadar: The Best Free VPN:
http://www.techradar.com/vpn/best-free-vpn/
- TOP10VPN: The Best Free VPNs:
http://www.top10vpn.com/best-vpn/free/
- ProPrivacy: Best free VPN list + some you should definitely avoid:
http://proprivacy.com/vpn/comparison/free-vpn-services/
- VPN Gate: Free Public VPN Relay Servers:
http://www.vpngate.net/
- Cloudwards: Best Pay-For VPN Services: 10+ All-Purpose Providers [annual/monthly/periodic fees!]:
http://www.cloudwards.net/best-vpn/
- All About Cookies: Bypass VPN Blockers:
http://allaboutcookies.org/how-to-bypass-vpn-blocks/
- Free public proxy IPs/servers with high anonymity, decent/full bandwidth/traffic speed + no data/traffic cap/limit:
http://spys.one/
http://www.proxynova.com/proxy-server-list/elite-proxies/
http://geonode.com/free-proxy-list/

http://hide.mn/proxy-list/?anon=4#list
http://proxydb.net/?anonlvl=4
http://github.com/proxifly/free-proxy-list/
http://github.com/TheSpeedX/PROXY-List/
- Fortinet: Proxy vs VPN: What Is the Difference?
http://www.fortinet.com/resources/cyberglossary/proxy-vs-vpn/
- EverybodyWiki: Comparison of Proxifiers:
http://en.everybodywiki.com/Comparison_of_proxifiers
- Cloudwards: 10 Best Free Proxy Websites: Mask Your IP Address for Free:
http://www.cloudwards.net/best-free-proxy/
* Internet/Online Privacy, Safety + Security Tools [free(ware)]:
****
- Invisible Internet Project (I2P) 64-bit for Windows 10/newer 64-bit (x64) end-to-end fully encrypted private mix network layer (node + router):
http://geti2p.net/
Invisible Internet Project (I2P) Repository:
http://github.com/i2p/i2p.i2p/
Download [Installer EXE]:
http://geti2p.net/download/
http://github.com/i2p/i2p.i2p/releases/latest/
Invisible Internet Project (I2P) requires Java 32-bit/64-bit:
http://www.mdgx.com/add.htm#JAVA
Invisible Internet Project (I2P) Easy Install Bundle (Beta) [all-in-1 Installer EXE, Java NOT needed!]:
http://geti2p.net/download/easyinstall/
Invisible Internet Project (I2P) Online Install Guide:
http://geti2p.net/download/windows/
Invisible Internet Project (I2P) FAQ:
http://geti2p.net/faq/
Invisible Internet Project (I2P) Online Documentation:
http://geti2p.net/docs/
Wikipedia: Invisible Internet Project (I2P):
http://en.wikipedia.org/wiki/I2P
- Proton Free VPN App 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) -> free plan: no ad(vertisement)s, no bandwidth/speed limit, no data/traffic limit, encrypted, no logs, limited to 1 computer/device, 13000+ servers in 120+ countries:
http://protonvpn.com/free-vpn/
Proton VPN App for Android, Chromium/Chrome, Firefox, iOS, Linux, MacOS, Windows [free, open source]:
http://protonvpn.com/free-vpn/download/
Proton VPN Repository:
http://github.com/ProtonVPN/
Proton VPN App for Windows:
http://github.com/ProtonVPN/win-app/
Download [Installer EXE]:
http://protonvpn.com/download-windows/
http://github.com/ProtonVPN/win-app/releases/latest/
Proton VPN Setup Guide:
http://protonvpn.com/support/protonvpn-setup-guide/
Proton VPN Download + Install FAQ:
http://protonvpn.com/support/download-and-installation/
Proton VPN Support:
http://protonvpn.com/support/
Wikipedia: Proton VPN:
http://en.wikipedia.org/wiki/Proton_VPN
- Cloudflare WARP Desktop client 64-bit for Windows 8.1/newer 64-bit (x64) [free Virtual Private Network (VPN) using secure public root Domain Name System (DNS) servers]:
http://developers.cloudflare.com/warp-client/
Download:
http://one.one.one.one/
Cloudflare WARP for Windows:
http://developers.cloudflare.com/warp-client/get-started/windows/
Cloudflare WARP for Linux:
http://developers.cloudflare.com/warp-client/get-started/linux/
Cloudflare WARP for macOS:
http://developers.cloudflare.com/warp-client/get-started/macos/
Cloudflare WARP for Android:
http://developers.cloudflare.com/warp-client/get-started/android/
Cloudflare WARP for iOS:
http://developers.cloudflare.com/warp-client/get-started/ios/
Use Cloudflare WARP VPN in combination with WireGuard:
http://www.andryou.com/2020/03/28/guide-using-cloudflares-warp-vpn-on-a-computer-mac-pc-linux/
WireGuard VPN (free, open source):
http://www.wireguard.com/
BrowserLeaks: DNS (Domain Name System) Leak Test:
http://browserleaks.com/dns/
Wikipedia: Virtual Private Network (VPN):
http://en.wikipedia.org/wiki/Virtual_private_network
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
RECOMMENDED:
****
Cellular/mobile device/pad/phone/tablet users: make sure you are using an encrypted, secure DNS server [best example]:
- Android (Google):

http://www.zdnet.com/article/how-to-turn-on-androids-private-dns-mode-and-why-you-should-asap/
Cloudflare WARP 1.1.1.1 [1x4] app for Android [Cloudflare secure DNS server]
http://play.google.com/store/apps/details?id=com.cloudflare.onedotonedotonedotone
- iOS (Apple):
http://developers.cloudflare.com/1.1.1.1/setup/ios/
Cloudflare WARP 1.1.1.1 [1x4] app for iOS [Cloudflare secure DNS server]
http://apps.apple.com/app/id1423538627/
Cloudflare WARP 1.1.1.1 [1x4] is free, but has ADS, PROMOS + IN-APP PURCHASES!
- Portmaster Free 64-bit for Windows 7/newer 64-bit (x64) port manager, firewall, filter, secure DNS, blocker, network monitor, highly customizable:
http://safing.io/
File [Setup only!]:
http://updates.safing.io/latest/windows_amd64/packages/portmaster-installer.exe
Windows 7 64-bit (x64) requires Microsoft Security Monthly Quality Rollup (SMQR) KB4503292:
http://catalog.s.download.windowsupdate.com/d/msdownload/update/software/secu/2019/06/windows6.1-kb4503292-x64_a35bb4ea16d1d529fde9abfe8a0c16e9061f74cd.msu
More info @ MSKB:
http://support.microsoft.com/kb/4503292/
Portmaster Documentation:
http://docs.safing.io/
Portmaster Feature Comparison:
http://safing.io/pricing/#comparison
Community Wiki:
http://wiki.safing.io/
- Metiix Blockade for Windows 7/newer network wide DNS based computer/device/group/network adware/malware/spyware/trackware blocker/filter + custom blocklist + whitelist exceptions:
http://www.metiix.com/blockade
Download [MSI Installer]:
http://www.metiix.com/blockade/downloads
Metiix Blockade Help Center:
http://help.metiix.com/help/7-blockade
Metiix Blockade FAQ:
http://help.metiix.com/help/7-blockade/categories/97-faq-s
- DNSCrypt Proxy clients for Windows NTx 32-bit + 64-bit use encrypted DNS protocol to authenticate + anonymize 2 way traffic between DNS client and DNSCrypt enabled DNS resolver, prevents DNS spoofing, DDoS attacks:
http://dnscrypt.info/
More Info:
http://www.dnscrypt.org/
DNSCrypt Proxy:
http://github.com/DNSCrypt/dnscrypt-proxy/
Download [ZIP -> EXE Installer]:
http://github.com/dnscrypt/dnscrypt-proxy/releases/latest/
Free Public DNSCrypt + DoH Servers List:
http://dnscrypt.info/public-servers/
DNSCrypt Documentation:
http://github.com/DNSCrypt/dnscrypt-proxy/wiki/
DNSCrypt Clients + DNSCrypt Servers:
http://dnscrypt.info/implementations/
DNSCrypt Clients:
http://www.dnscrypt.org/#dnscrypt-windows
DNSCrypt:
http://en.wikipedia.org/wiki/DNSCrypt
- Unbound 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) validating, recursive, caching DNS resolver, supports IPv6 (Internet Protocol version 6), DNSSEC (Domain Name System Security Extensions), NSEC (Next Secure Record), DNS over TLS (DoT) + DNS over HTTPS (DoH) encryption + protocols:
http://nlnetlabs.nl/projects/unbound/
Download [Portable ZIP]:
http://nlnetlabs.nl/projects/unbound/download/
Unbound Repository:
http://github.com/NLnetLabs/unbound/
Unbound online Documentation:
http://unbound.docs.nlnetlabs.nl/
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Wikipedia: Transport Layer Security (TLS):
http://en.wikipedia.org/wiki/Transport_Layer_Security
Wikipedia: DNS over TLS (DoT):
http://en.wikipedia.org/wiki/DNS_over_TLS
Wikipedia: DNS over HTTPS (DoH):
http://en.wikipedia.org/wiki/DNS_over_HTTPS
Wikipedia: Hypertext Transfer Protocol Secure (HTTPS):
http://en.wikipedia.org/wiki/HTTPS
Wikipedia: Domain Name System Security Extensions (DNSSEC):
http://en.wikipedia.org/wiki/Domain_Name_System_Security_Extensions
- Privoxy GUI interface + DOS console command line non-caching HTTP/web proxy with advanced filtering for enhanced privacy + safety, highly customizable:
http://www.privoxy.org/
Repository:
http://sourceforge.net/projects/ijbswa/
Download:
http://www.privoxy.org/sf-download-mirror/Win32/
http://sourceforge.net/projects/ijbswa/files/Win32/

Privoxy FAQ:
http://www.privoxy.org/faq/
Privoxy Online Manual:
http://www.privoxy.org/user-manual/
Wikipedia: Proxy server:
http://en.wikipedia.org/wiki/Proxy_server
- Privaxy 32-bit + 64-bit DOS console command line MITM (Man In The Middle) HTTP(S) low level incoming + outgoing tunnel proxy ad(ware)/malware/spying/surveillance/tracking blocker/filter:
http://github.com/Barre/privaxy/
Download:
http://github.com/Barre/privaxy/releases/latest/
Wikipedia: Proxy server:
http://en.wikipedia.org/wiki/Proxy_server
- PeerBlock [UNMAINTAINED!] Portable 32-bit + 64-bit for Windows XP/newer personal firewall blocks/filters incoming + outgoing dangerous/deceptive/insecure/invasive/intrusive/subversive/unsafe IPs + ports [IPv4 only] from frequently updated + user customized lists of blacklisted ad(ware)/malware/spying/surveillance/tracking hosts/IPs:
http://www.peerblock.com/
Download [Portable ZIP]:
http://code.google.com/archive/p/peerblock/downloads/
PeerBlock 64-bit for Windows Vista/newer 64-bit (x64):
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/peerblock/PeerBlock_r693__x64_Release_(Vista).zip
PeerBlock 32-bit for Windows Vista/newer 32-bit (x86):
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/peerblock/PeerBlock_r693__Win32_Release_(Vista).zip
PeerBlock Repository:
http://code.google.com/archive/p/peerblock/
http://sourceforge.net/projects/peerblock/
http://github.com/PeerBlock/peerblock/
I-Blocklist lists of blacklisted IPs [frequently updated]:
http://www.iblocklist.com/lists
Blocklists + Filterlists:
http://github.com/badmojr/1Hosts/
http://filterlists.com/
http://github.com/yokoffing/filterlists/
http://oisd.nl/
http://github.com/ShadowWhisperer/BlockLists/
http://www.fanboy.co.nz/filters.html
Wikipedia: PeerBlock:
http://en.wikipedia.org/wiki/PeerBlock
- Sans Institute (SANS) SEC505: Windows DNS Server Sinkhole Domains PowerShell Tool [archived]:
http://web.archive.org/web/20241212200323/https://www.sans.org/blog/windows-dns-server-sinkhole-domains-tool/
Download SEC505 [ZIP archive]:
http://raw.githubusercontent.com/SamuelArnold/SANS-SEC505/refs/heads/master/scripts.zip
SEC505 Repository:
http://github.com/SamuelArnold/SANS-SEC505/
Extract all files from ZIP above -> browse to + open [example using generic C:\Directory_Name]
C:\Directory_Name\Day6-Servers\DNS
subfolder/subdirectory -> open/view Sinkhole-DNS.ps1 (PowerShell script) using Unicode compatible Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to learn how to create + use a black(hole)list/blocklist plain text/ASCII file (.txt) acting as a sinkhole which blocks/filters/redirects/resolves a custom list of annoying, inappropriate, offensive, unwanted, dangerous, harmful ad(ware), malware, spyware, trackware IPv4 servers/domains/IPs to 0.0.0.0 [null] local host IP address over DNS (Domain Name System).
SEC505 requires PowerShell v2.0:
http://www.mdgx.com/xptoy.htm#PWS
PowerShell [PowerShell.exe] is located in %WinDir%\SYSTEM32\WindowsPowerShell\v1.0 folder [default location] = where %WinDir% usually C:\WINDOWS.
http://learn.microsoft.com/windows-server/administration/windows-commands/powershell/
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_exe/
http://learn.microsoft.com/powershell/module/microsoft.powershell.security/set-executionpolicy/
http://www.ss64.com/ps/powershell.html
http://www.ss64.com/ps/
http://www.ss64.com/ps/syntax-elevate.html
Windows PowerShell ISE (Integrated Scripting Environment) [PowerShell_ise.exe] is located in %WinDir%\SYSTEM32\WindowsPowerShell\v1.0 folder [default location] = where %WinDir% usually C:\WINDOWS.
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_ise_exe/
Wikipedia: PowerShell:
http://en.wikipedia.org/wiki/PowerShell
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Wikipedia: Internet Protocol (IP):
http://en.wikipedia.org/wiki/Internet_Protocol
Wikipedia: 0.0.0.0 IPv4 address:
http://en.wikipedia.org/wiki/0.0.0.0
- F-Droid App Manager package manager + viewer for Android OS: backs up/restores/saves, debloats, displays/views, encrypts, exports/imports, intercepts, launches, lists, manages, scans, shares, tracks access, activities, apps, components, data, info, libraries, manifests, operations, permissions, profiles, providers, services, signatures, storage, trackers, usage, highly customizable:
http://f-droid.org/packages/io.github.muntashirakon.AppManager/
F-Droid App Manager Repository:
http://github.com/MuntashirAkon/AppManager/
Download [APK]:

http://github.com/MuntashirAkon/AppManager/releases/latest/
F-Droid App Manager Online User Manual [multiligual]:
http://muntashir.dev/AppManager/
Install, update + use F-Droid App Manager with F-Droid Client [APK]:
http://f-droid.org/F-Droid.apk
F-Droid Client:
http://f-droid.org/packages/org.fdroid.fdroid/
F-Droid Client Online Docs, FAQs + Tutorials:
http://f-droid.org/docs/
- Signal (Private Messenger) private, safe, secure, encrypted (end-to-end) calling, communications + messaging/SMS/text + video & voice (single, groups) app for devices (Android, iOS) + personal computers (Linux, MacOS, Windows) [free, open source]:
http://signal.org/
Signal Repository:
http://github.com/signalapp/
Download:
http://signal.org/download/
- Windows:
http://signal.org/download/windows/
- Android:
http://signal.org/install
http://play.google.com/store/apps/details?id=org.thoughtcrime.securesms
- iOS:
http://signal.org/download/ios/
http://apps.apple.com/app/id874139669/
- Linux:
http://signal.org/download/linux/
- MacOS:
http://signal.org/download/macos/
How to Use Signal Without a Phone Number:
http://www.calilio.com/blogs/how-to-use-signal-without-a-phone-number/
All Things Secured: If you use Signal do this NOW [35 seconds video]:
http://www.youtube.com/shorts/JhO265PjBF0
Signal was rated the safest, most secure messaging/texting app:
http://www.pcmag.com/picks/best-secure-messaging-apps/
http://zapier.com/blog/best-texting-app/
http://www.techradar.com/best/best-encrypted-messaging-app-android/
Signal compared to other similar apps:
http://personal-security.afeld.me/why-signal/
Signal ToS;DR rating [B]:
http://tosdr.org/en/service/528
Wikipedia: Signal:
http://en.wikipedia.org/wiki/Signal_(software)
Wikipedia: Comparison of cross-platform instant messaging clients:
http://en.wikipedia.org/wiki/Comparison_of_cross-platform_instant_messaging_clients
- Bitwarden Free for Windows 10/11 32-bit + 64-bit + cellular/mobile app + web browser add-on/extension encrypted, secure, international compliance + transparency personal credentials password + passkey/passphrase autofill tool, administrator, generator, editor, importer/exporter, manager, organizer, privacy, safety + security protector, saver/restorer, updater integrates + works with most popular app(lications)s/programs/tools + web browsers, vault access, unlimited computers/devices, highly customizable:
http://bitwarden.com/
Bitwarden Repository:
http://github.com/bitwarden/
Download:
http://bitwarden.com/download/
- Android:
http://bitwarden.com/download/#downloads-mobile
http://play.google.com/store/apps/details?id=com.x8bit.bitwarden
- iOS:
http://bitwarden.com/download/#downloads-mobile
http://apps.apple.com/app/id1137397744/
- Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers extension:
http://chromewebstore.google.com/detail/bitwarden-password-manage/nngceckbapebfimnlniiiahkandclblb
- Firefox [+ alternatives/derivatives/forks/variants] web browsers add-on:
http://addons.mozilla.org/firefox/addon/bitwarden-password-manager/
Bitwarden requires E-MAIL account MEMBERSHIP/SUBSCRIPTION!
Bitwarden online Help Center:
http://bitwarden.com/help/
Bitwarden online Learning Center:
http://bitwarden.com/help/learning-center/
- Rayhunter catcher/detector/interceptor for IMSI Catcher spyware/surveillance/tracker for Linux/Qualcom devices with Orbic/3rd party cellular/mobile hotspot(s) [free, open source]:
http://github.com/EFForg/rayhunter/
Rayhunter Guide:
http://www.eff.org/deeplinks/2025/03/meet-rayhunter-new-open-source-tool-eff-detect-cellular-spying/
Wikipedia: IMSI Catcher:
http://en.wikipedia.org/wiki/IMSI-catcher
EFF (Electronic Frontier Foundation): Street Level Surveillance (SLS):
http://sls.eff.org/
Wikipedia: IMSI [International Mobile (cellular) Subscriber Identity]:
http://en.wikipedia.org/wiki/International_mobile_subscriber_identity
- FSF (Free Software Foundation): Ethical Tech Guide -> Recommended Devices/Hardware, Apps/Software +

Services/Subscriptions:
http://www.fsf.org/givingguide/
- MDGx "Public Root DNS Servers" chapter in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
- MDGx "Internet Power Toys [free(ware)]" chapter -> "Free(ware) Windows NTx Web Browsers" section in SOFTWARE.TXT
(included):
http://www.mdgx.com/nettoys.htm#NET
- MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides
+ Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
- MDGx "@ Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Settings, Extensions, Guides +
Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSF
* RECOMMENDED:
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@ Chromium/Chrome web browsers + alternatives/derivatives/forks/variants [*]:
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http://www.mdgx.com/7.php#:~:text=%40%20Chromium%2FChrome%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%
5D
- MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome web browsers [free(ware)]" section ->
"Chromium + Chrome" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
- MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides
+ Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
- MDGx "Web Browsers Links: Web Browsers, Tools + Tips on the Internet" [mostly free(ware)] in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#NET
- Wikipedia: Web Browsers based on Chromium:
http://en.wikipedia.org/wiki/Chromium_(web_browser)#Browsers_based_on_Chromium
- Install + manage Chromium/Chrome [+ alternatives/derivatives/forks/variants] extensions:
http://support.google.com/chrome_webstore/answer/2664769/
- Install Chromium/Chrome [+ alternatives/derivatives/forks/variants] useful delisted/discontinued/unavailable Extensions
from reliable sources other than Chrome Web Store:
        Chrome-Stats:
        http://chrome-stats.com/
        Crx4Chrome:
        http://www.crx4chrome.com/
- How to Install Chromium/Chrome (+ alternatives/derivatives/forks/variants) Extensions by hand/manually step-by-step:
Complete Guide:
http://sslinsights.com/how-to-manually-install-chrome-extension/
More info:
http://developer.chrome.com/docs/extensions/how-to/distribute/install-extensions/
CRXLauncher -> install browser extensions from .crx or .zip files in controlled, isolated, secure sandboxed environment with
permissions selection transparency:
http://chromewebstore.google.com/detail/kiilhncajadbgbmdbdcopdpnmdhlbdle
Step-by-step Guide:
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BEWARE:
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Google (Alphabet) [same as most other ad(vertisement)/marketing/surveillance/tracking profit based
businesses/companies/corporations/entities at the expense of privacy, safety, security] is known to employ a few (not so)
well known strategies: buries deep, changes often, switches around names, options, settings, titles, URLs, web pages, etc
connected/related to their for profit ad(vertising)/marketing/prom(otion)/surveillance/tracking business, and also adds new
ones frequently, makes them ambiguous, cumbersome, confusing, hard to find in the hope more people end up getting annoyed,
bored, confused, tired, and give up looking around while attempting to block/disable/turn them off.
FYI:
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1st things 1st -> Chromium/Chrome [+ alternatives/derivatives/forks/variants] flags settings guide:
http://beebom.com/chrome-flags-guide-to-enhance-web-browsing/
01. Replace (if applicable) Google Chrome web browser with a Google free/DEgoogled/UNgoogled [stripped of Google
ad(ware)/integration/spyware/surveillance/tracking apps, "features", scripts + code] Chromium or 3rd party/independent
alternative/derivative/fork/variant Chromium based web browser (free, open source):
http://www.mdgx.com/nettoys.htm#CHR
This is why...
Wikipedia: Google Chrome user tracking concerns:
http://en.wikipedia.org/wiki/Google_Chrome#User_tracking_concerns
RECOMMENDED:
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- Chromium Precompiled EXEcutable [Installer EXE + Portable Archives ZIP/7z] 32-bit + 64-bit for Windows XP/newer 32-bit
(x86) + 64-bit (x64):
http://chromium.woolyss.com/
Degoogled/Ungoogled/stripped of Google ad(ware)/integration/spyware/surveillance/tracking code Chromium builds [clearly
labeled]:
http://github.com/ungoogled-software/ungoogled-chromium/blob/master/README.md
http://ungoogled-software.github.io/ungoogled-chromium-wiki/faq
Ungoogled Chromium precompiled binaries 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) [75-125 MB,
Installer ONLY EXE + Portable ZIP, NEWest at the top]:
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
Ungoogled Chromium 64-bit for Windows 7/newer 64-bit (x64):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/64bit/
Ungoogled Chromium 32-bit for Windows 7/newer 32-bit (x86):

http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/32bit/
Install + Configure Ungoogled Chromium:
http://avoidthehack.com/how-to-install-configure-ungoogled-chromium/
- Brave 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with improved privacy, safety + security and optimized speed:
http://brave.com/
Brave Repository:
http://github.com/brave/brave-browser/
Download [ZIP = full, Portable]:
http://github.com/brave/brave-browser/releases/latest/
- Vivaldi 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with enhanced privacy, safety + security:
http://vivaldi.com/
Download [EXE = Installer ONLY]:
http://vivaldi.com/download/
Vivaldi Portable -> run Installer EXE -> Install standalone:
http://help.vivaldi.com/desktop/install-update/standalone-version-of-vivaldi/
- Thorium 32-bit + 64-bit web browsers for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] hardware 3D, rendering + video playback optimized:
http://thorium.rocks/
Download [ZIP = full, Portable]:
Thorium AVX2 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium AVX 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium SS3 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-SSE3/releases/latest/
Thorium SSE2 (Win32) 32-bit edition for Windows 7/newer 32-bit (x86) + Thorium SSE3, SSE4, AVX + AVX2 64-bit editions for Windows 7/newer 64-bit (x64):
http://github.com/Alex313031/thorium-legacy/releases/latest/
Thorium Requirements:
- Multicore CPU: minimum Intel Core 2nd gen or AMD FX with built-in SSE4 (Streaming SIMD Extensions 4),
http://en.wikipedia.org/wiki/SSE4
AVX (Advanced Vector EXtensions)
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions
+ AES (Advanced Encryption Standard)
http://en.wikipedia.org/wiki/Advanced_Encryption_Standard
enhancements/multimedia extensions/instructions.
- Graphics video controller with 3D rendering + OpenGL capabilities.
Required Windows 7 64-bit (x64) Updates for Thorium 64-bit web browser enhanced hardware + software compatibility/support:
http://thorium.rocks/win7
- Windows 7 SP1/2008 R2 64-bit (x64) Servicing Stack Update 2019 KB4490628:
http://support.microsoft.com/kb/4490628/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4490628+x64
- Windows 7 SP1/2008 R2 64-bit (x64) SHA-2 Code Signing Support Update 2019 KB4474419:
http://support.microsoft.com/kb/4474419/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4474419+x64
- Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
- X-Chromium (X-Launcher) Portable launcher:
http://www.winpenpack.com/en/download.php?view.1082
Download [EXE = Installer, full]:
http://sourceforge.net/projects/winpenpack/files/X-Chromium/releases/
Either install Chromium precompiled stable releases 32-bit or 64-bit:
http://chromium.woolyss.com/
or extract all files from portable archive [zip or 7z] + copy to the destination of your choice Chromium portable stable releases 32-bit or 64-bit to match the Windows NTx [7/newer] operating system(s) [OS(es)] build/edition/release/update/version + bit strength [32-bit (x86) or 64-bit (x64)] you are using.
02. All Chromium + Chrome alternatives/derivatives/forks/variants users must have these 3 Windows environment variables listed below: run these commands from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
SETX.EXE GOOGLE_API_KEY "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_ID "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_SECRET "NO" /M
to avoid any Google apps/code/scripts annoying errors/messages/pop-ups while running Chromium or Chromium based alternatives/derivatives/forks/variants.
Google API Keys:
http://chromium.woolyss.com/#google-api-keys
http://www.chromium.org/developers/how-tos/api-keys/
03. Use Chromium/Chrome or alternative/derivative/fork/variant "Incognito Mode" (Private Browsing) to avoid cookies, (geo)location, personalized/targeted ad(vertisement)s/adware, fingerprinting, phone-home, profiling, surveillance, tracking, banned/blocked/forbidden/limited/restricted areas/content/features, privacy/safety/security exposure/invasion/intrusion, annoyances:
http://support.google.com/chrome/answer/95464/
http://www.techtimes.com/articles/38718/20150310/

http://www.online-tech-tips.com/computer-tips/12-ways-to-get-past-a-paywall/
BEWARE:
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Google (Alphabet) admitted publicly (together with other for profit businesses/companies/corporations/entities) it does track all Chrome/Chromium users even in their so-called "Incognito Mode" (a.k.a. Private Browsing mode):
http://arstechnica.com/tech-policy/2024/01/chrome-updates-incognito-warning-to-admit-google-tracks-users-in-private-mode/
That's why you need additional 3rd party/independent/separate reliable methods + solutions in order to enhance/increase your personal privacy, safety + security protection:
- See "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
- See "3. Digital + Internet/Online Privacy, Safety + Security Guides, Solutions + Tools [free(ware)]:" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSSGS
- See "- Internet/Online Privacy, Safety + Security Tools [free(ware)]:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSSTF
Chromium/Chrome -> right-click desired URL/URI address/item/link/scheme/shortcut -> select "Open link in incognito window".
Go to "Extensions":
chrome://extensions/
-> for each of your installed extensions designed to block ad(vertisement)s, malware, spying, surveillance, tracking + protect against security, safety + privacy breaches/hacks/intrusions/invasions [see "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" section in SOFTWARE.TXT (included)
http://www.mdgx.com/nettoys.htm#PRV
click/touch "Details" button -> turn ON/slide right "Allow in Incognito":
http://img.webnots.com/2021/08/Enable-Allow-In-Incognito-Mode.png
04. Turn ON (encrypted) Secure DNS, a.k.a. DoH [DNS over HTTPS (DoH)] for all your Chromium/Chrome web browser lookup instances [if supported by both your web browser(s) and respective IP addresses]:
http://support.google.com/chrome/answer/10468685/
http://www.ghacks.net/2021/10/23/how-to-enable-dns-over-https-secure-dns-in-chrome-brave-edge-firefox-and-other-browsers/
CAUTION:
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This setting works only if *NOT* using a 3rd party proxy or VPN IP/provider/service/server.
If you do use a 3rd party proxy or VPN IP/provider/service/server their custom servers take over this setting in all affected web browser(s).
FYI:
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See MDGx "Best Free VPN (Virtual Private Network)/Proxy providers/services/servers:" -> "1. Google: Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium web browsers Privacy, Safety + Security settings:" topic -> "Chromium + Chrome" section -> "FREE WINDOWS 9x/NTx WEB BROWSERS" chapter -> SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#VPNC
Go to Settings -> Privacy and security -> Security
chrome://settings/security/
-> scroll down to Advanced -> "Select DNS provider" [DNS over HTTPS (DoH)] (newer web browser versions) -> turn ON/slide right "Use secure DNS" [DNS over HTTPS (DoH)] (older web browser versions) -> select your active/current internet/intranet/network (LAN, WAN)/wi-fi/wireless connection/service provider (which needs to be preconfigured to use either their own if available, or your choice of secure public root DNS servers -> see "Public Root DNS Servers" chapter further above,
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
or select a different available/custom/installed/preconfigured/preferred service provider or secure public root DNS server (if available and/or applicable) from the drop down menu.
More info:
http://support.google.com/chrome/answer/10468685/
http://www.ghacks.net/2021/10/23/how-to-enable-dns-over-https-secure-dns-in-chrome-brave-edge-firefox-and-other-browsers/
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Wikipedia: DNS over HTTPS (DoH):
http://en.wikipedia.org/wiki/DNS_over_HTTPS
Wikipedia: Hypertext Transfer Protocol Secure (HTTPS):
http://en.wikipedia.org/wiki/HTTPS
Be aware that certain DNS providers may require obtaining biometrics, security keys, a pin number, fingerprint(s) of your operating system and/or app(s)/software/web browser(s), a phone number, QR code, which in turn may require opening an account, some kind of enrollment, membership, subscription, and some of them are not free [may require a 1 time payment, or periodic/monthly/yearly fees/payments], or/and may require disclosure of certain confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats, like your e-mail address, (cellular/mobile) phone number, etc.
Typical built-in Chromium/Chrome list of secure public root DNS servers you can choose from (not all of them, or different ones are available depending on your web browser version, operating system, location, custom settings like a proxy or VPN provider/server, type of connection, service provider, etc):
- Cloudflare (1.1.1.1) [1 of the best options for general purpose browsing];
- CleanBrowsing (Family Filter);
- Custom -> type in your preferred secure DNS server provider (valid, correctly formatted URL address) -> see "Public Root DNS Servers" chapter further above;
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
- Google (Public DNS);
- NextDNS;
- OpenDNS [1 of the best options for general purpose browsing].
Go to "Async DNS resolver" (older web browser versions) [flags setting]:
chrome://flags/#enable-async-dns
-> Disabled -> relaunch/restart your web browser.
Go to "Use DNS https alpn" (older web browser versions) [flags setting]:
chrome://flags/#use-dns-https-svcb-alpn

-> Disabled -> relaunch/restart your web browser.
Go to "Encrypted ClientHello" (ECH) (older web browser versions) [flags setting]:
chrome://flags/#encrypted-client-hello
-> Disabled -> relaunch/restart your web browser.
CAUTION:
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- In case ANY/ALL of these 3 settings above are Enabled -> Chromium/Chrome will (eventually) manage (in certain situations) to bypass custom/(pre)installed/(pre)configured/(pre)set (secure) public DNS servers you have set up by using "Use secure DNS" customized settings (see above), or by using 3rd party DNS extensions/app(lication)s/providers/scripts/services, like public root DNS servers [see "Public Root DNS Servers" chapter further above], Blocklade, Cloudflare, DNSCrypt, Unbound, BlackFog, Pi-hole + other similar (secure) DNS (Domain Name System)/DoH (DNS over HTTPS)/DoT (DNS over TLS) blockers/filters add-ons/app(lication)s/extensions/programs/providers/scripts/services/software/tools.
More info:
http://bugdrivendevelopment.net/browser-ignore-internal-dns/
http://serverfault.com/questions/1122251/
http://www.blackfog.com/knowledge-base/disable-async-dns-on-google-chrome-for-windows/
http://chasersystems.com/blog/disabling-encrypted-clienthello-in-google-chrome-and-why/
- In case you have checked/confirmed/verified with your authorized/official account/e-mail/enrollment/membership/service/social media/subscription administrator/manager/provider/supervisor/vendor to make sure your secure DNS (Domain Name System)/DoH (DNS over HTTPS)/DoT (DNS over TLS) add-on/app(lication)/configuration/extension/feature/program/option/script/service/setting/software/tool functions/operates adequately/properly + safely/securely with Google Chrome Encrypted ClientHello (ECH) turned ON -> go to "Encrypted ClientHello" (ECH) [flags setting]:
chrome://flags/#encrypted-client-hello
-> Enabled -> relaunch/restart your web browser.
More info:
http://support.mozilla.org/kb/faq-encrypted-client-hello/
http://blog.cloudflare.com/announcing-encrypted-client-hello/
BEWARE:
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- Additional/extra/supplemental access/change/elevation of level/ownership/permission/privilege/rights/status, and/or fees/payments may apply/be necessary/required depending on specific service/software/upgrade -> check with your administrator/manager/service provider/sysadmin/vendor for details.
- In case your computer/console/device/terminal, environment/operating system, internet/intranet/network connection and/or web browser(s) are administered/managed externally/remotely/separately, especially in business/education/enterprise/public/work environments, or in case Parental Controls are turned on, most likely you won't be able to use the built-in Secure DNS feature.
- In case you are not able to use Chromium/Chrome built-in Secure DNS feature -> see "Public Root DNS Servers" chapter further above in order to use other free/gratis available options, some of whom may require administrator/management/sysadmin permissions/privileges/rights or change/elevation of access/level/status, depending on your specific environment:
http://www.mdgx.com/7.php#:~:text=Public%20Root%20DNS%20Servers%20%5B%2A%5D
05. Log OFF/sign OUT of all Android/Chrome/Gmail/Google/YouTube account(s) (if any + if more than 1):
http://support.google.com/chrome/answer/9159867/
Then turn OFF Chromium/Chrome sign-in:
http://support.google.com/chrome/answer/185277/
Then log ON/sign IN into your Android/Chrome/Gmail/Google/YouTube account(s) (1 at a time, if any + if more than 1):
http://accounts.google.com/
06. Go to "Web & App Activity" (if applicable):
http://myaccount.google.com/activitycontrols
-> turn OFF "Turn off and delete activity" -> turn OFF "Web & App Activity" -> go to "My Google Activity" (if applicable):
http://myactivity.google.com/myactivity
-> click "Delete" -> click "All time" -> click "Next" -> click "Delete" -> go to "Google Account" (if applicable):
http://myaccount.google.com/
-> click "Data & privacy" -> "History settings" -> click desired "Activity"/"History" -> select "Turn off" or "Turn off and delete activity" -> select next "Activity"/"History" -> repeat same steps in order to turn OFF all activity + history items.
More info:
http://support.google.com/accounts/answer/7028918/
http://support.google.com/websearch/answer/54068/
http://support.google.com/accounts/answer/465/
Similarly go to "Activity controls" (if applicable):
http://myactivity.google.com/activitycontrols
-> go to "My Google Activity" (if applicable):
http://myactivity.google.com/
-> go to "Other/More Activity" (if applicable):
http://myactivity.google.com/more-activity
-> go to "Your data in Search" (Search Controls) (if applicable):
http://myaccount.google.com/yourdata/search
-> go to "Chrome history" (if applicable):
http://myactivity.google.com/page?page=chrome
-> delete/turn OFF all activities + history items, lists + settings.
More info:
http://www.alphr.com/delete-all-google-activity/
All these changes require you to be logged on/signed in with (1 of) your Android/Chrome/Gmail/Google/YouTube account(s) (if more than 1).
07. Go to "Results about you" [still in beta testing phase, final version to be made available soon]:
http://myactivity.google.com/results-about-you/
log on/sign in into your Gmail/Google account(s) [1 at a time if more than 1] -> Get started -> Next -> Next -> Find results about you -> fill in all required personal contact info boxes to match your previous contact info (if any) -> Continue -> follow guidelines in order to review found results + remove approved requests.
More details:
http://www.cnbc.com/2023/10/28/how-to-delete-private-information-from-google-search-results.html

http://bgr.com/tech/how-to-remove-your-personal-info-from-google-search-results/
http://www.wired.com/story/remove-personal-info-from-google-search-results/
http://support.google.com/accounts/answer/7028918/
In case there are any identifiable/personal/private biometrics/contact/content/data/fingerprint/information/search results/stats/etc distributed/found/leaked/posted/published/shared/etc online, especially unauthorized/without your approval/consent/knowledge/permission -> request to have them all deleted and removed from all Google + Alphabet 3rd party, affiliates, apps, businesses, memberships, partners, products, services, sites, subscriptions, subsidiaries, etc:
http://support.google.com/websearch/answer/12719076/
Request to remove your personal information on Google:
http://support.google.com/websearch/troubleshooter/9685456/
Content removal form:
http://support.google.com/websearch/contact/content_removal_form/
Report child/minor sexual abuse content:
http://support.google.com/?visit_id=638267960047336280-4079233850/
Resources for removing explicit/intimate confidential/identifiable/personal/private/privileged images/photos/pictures:
http://support.google.com/websearch/answer/13650142/
Outdated content removal tool:
http://support.google.com/websearch/answer/6349986/
Refresh Outdated Content tool:
http://support.google.com/webmasters/answer/7041154/
Request a refresh of outdated content in Google Search:
http://search.google.com/search-console/remove-outdated-content
Removals + SafeSearch reports tool:
http://support.google.com/webmasters/answer/9689846/
Get Answers/Help from Google Search Help Community:
http://support.google.com/websearch/community/
Content removal options outside Google Search:
http://support.google.com/websearch/answer/13652412/
Personal Content and Product Policies + Removal Requirements:
http://support.google.com/websearch/troubleshooter/3111061/
More info:
http://www.usatoday.com/story/tech/2023/08/04/google-users-alerts-search-result/70530494007/
http://www.theverge.com/2023/8/3/23817797/
http://blog.google/products/search/new-privacy-tools/
08. Go to "Security":
http://myaccount.google.com/security
and make sure to configure/customize/manage carefully *all* choices/features/settings in order to protect your privacy, safety + security. Examples:
- set up strong (hard to crack/guess/hack) passwords/passcodes/passkeys/passphrases/pins/secure/secret codes/phrases/questions/(key)words (if/where applicable, available + possible) -> for details + more information see "Digital + Internet/Online Privacy, Safety + Security" chapter -> "E-mail, Accounts, Internet, Online Passwords" section (further above) in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D
- set up 2 step verification, a.k.a. 2 (two)/multi factor authentication (2FA, TFA) (if/where applicable + available) by submitting either a recovery cellular/mobile phone number or a 2nd (backup) recovery e-mail address, or both (if/where applicable + available);
- review your recent security activity, alerts, notifications (if any):
http://myaccount.google.com/notifications
and in case of *any* out of place, fraudulous, illegal, malicious, unauthorized, unknown access/login into your account(s), security breaches, suspicious activity, alerts, notifications, warnings, etc you should report them to Google, or to the respective authorized/official account/e-mail/enrollment/membership/service/social media/subscription administrator(s)/manager(s)/provider(s) as soon as possible:
http://support.google.com/accounts/answer/140921/
http://support.google.com/mail/answer/8253/
In case *any* out of place, fraudulous, illegal, malicious, unauthorized, unknown access/login, security breach or suspicious activity has been confirmed *immediately* take appropriate/necessary measures (if/where applicable, available + possible): change all affected/exposed/hacked passwords/passcodes/passkeys/passphrases/pins/secure/secret codes/phrases/questions/(key)words, notify respective account/e-mail/enrollment/membership/service/social media/subscription administrator(s)/manager(s)/provider(s), fix/improve/repair/reset existing safety/security configuration/features/options/settings, and eventually add more safety/security configuration(s)/features/layers/options/settings, etc.
Important information + guidelines:
http://www.loginradius.com/blog/identity/what-to-do-when-email-hacked/
http://www.theguardian.com/technology/2014/feb/03/what-to-do-email-hacked-how-to-prevent/
http://consumer.ftc.gov/articles/how-recover-your-hacked-email-or-social-media-account/
Go to "Third-party apps & services":
http://myaccount.google.com/connections
-> if any listed items/enrollments/memberships/services/sites/subscriptions -> you can turn OFF desired site(s) asking you to log on/sign in, especially if you have any privacy/safety/security concerns about 3rd party/cross-site/external/federated/outsourced sign-ins.
More info:
http://support.google.com/chrome/answer/14264742/
09. [!] This requires you to be logged on/signed in with (1 of) your Android/Chrome/Gmail/Google/YouTube account(s) (if more than 1) OR provide your computer/device authentication ID/PIN (if any): go to "Password Manager" -> "Password Checkup":
chrome://password-manager/checkup/?start=true
-> "Checked passwords for ??? sites and apps" -> click/touch "Try again" button.
Depending on the actual findings regarding your (currently stored) passwords (some of whom may be) used in your Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browser(s), app(lication)s, etc to access your internet/network/online Android/Chrome/Gmail/Google/YouTube account account(s) you may (or may not) see (some of) these 3 recommendations:
- (!) ?? Compromised passwords ["Password Manager can check your passwords when you sign in with your Google Account"] ->

available choices depending on findings:
- "View data breaches we check" ["We check for password and username combinations exposed through a wide variety of data breaches, but the list of data breaches we check may be incomplete"] -> view list (if any) -> change all those passwords, make sure they are all different (do not reuse your passwords) for each acccount (if more than 1) + make sure they are strong passwords (if any).
- "Dismissed warnings".
- "Restore warning".

More info:
http://support.google.com/accounts/answer/9457609/
http://support.google.com/accounts/answer/6294825/

- (!) ?? reused passwords -> "Create unique passwords" ["Use a unique password for every site or app. If someone discovers a reused password, it can be used to access your other accounts"]:
chrome://password-manager/checkup/reused
- (!) ?? weak passwords -> "Create strong passwords" ["Weak passwords are easy to guess. Make sure that you're creating strong passwords"]:
chrome://password-manager/checkup/weak

Go to Password Manager "Settings":
chrome://password-manager/settings/
-> turn ON/slide right: "Offer to save passwords and passkeys", "Automatically create a passkey to sign in faster" ["Allow sites and apps to upgrade existing accounts to use passkeys"] + "Sign in automatically" ["Password Manager remembers how you signed in and automatically signs you in when possible. When off, you'll be asked for confirmation every time"].

FYI:
****
{1} In case you are using Windows 10/11 with biometric authentication fingerprint/iris feature activated/installed/turned ON: turn ON/slide right "Use Windows Hello when filling passwords" ["If you share this device with others, you can turn on Windows Hello to verify that it's you whenever you use a saved password"].
More info:
http://www.wisecleaner.com/think-tank/498-How-to-Protect-Your-Passwords-in-Google-Chrome-with-Windows-Hello.html
{2} In case you do not use Windows 10/11 and/or have not activated/installed/do not use biometric authentication fingerprint/iris feature: turn OFF/slide left "Use Windows Hello when filling passwords" ["If you share this device with others, you can turn on Windows Hello to verify that it's you whenever you use a saved password"].
Alternatively: go to Google Chromium/Chrome "Password Manager" web page:
http://passwords.google.com/intro
-> click/touch "Go to Password Checkup" link:
http://passwords.google.com/checkup/start
-> click/touch "Check Passwords" button.

You can also change/customize (same as from within your Chromium/Chrome web browser interface) several auto fill/sign in + password options/settings:
http://passwords.google.com/options
-> "Offer to save passwords", "Auto sign-in", "Password alerts", "Export passwords", "Import passwords".

More info:
- Google Password Checkup + Manager [requires to be logged on/signed in with Android/Chrome/Gmail/Google/YouTube account]:
http://passwords.google.com/
- Change unsafe passwords in your Android/Chrome/Gmail/Google/YouTube account(s):
http://support.google.com/accounts/answer/9457609/
- Save, manage + protect your passwords:
http://support.google.com/accounts/answer/6208650/
- Manage passwords:
http://support.google.com/chrome/answer/95606/
- Generate a password:
http://support.google.com/chrome/answer/7570435/
- Show, edit, delete or export saved passwords [export to CSV (.csv) file format]:
http://support.google.com/chrome/answer/95606/#zippy=%2Cshow-edit-delete-or-export-saved-passwords
- Import passwords with Chromium/Chrome [import from CSV (.csv) file format]:
http://support.google.com/chrome/answer/13068232/

10. Go to "Location Sharing":
http://myaccount.google.com/locationsharing
-> turn OFF/disable/stop sharing your real-time (geo)location with anyone/anything on Google, and do the same for all their 3rd party, affiliates, businesses, memberships, partners, products, services, sites, subscriptions, subsidiaries, etc (if any).
That is *unless* any of your accounts, apps, connections, interactions, memberships, services, subscriptions, etc depend on this setting being turned ON.

11. Go to "Data & privacy":
http://myaccount.google.com/data-and-privacy
-> turn OFF/disable/stop any/all sharing your confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats you deem necessary to keep confidential, exclusive, private, to yourself/yourselves, and/or limit/restrict sharing only with your well-known/trusted family members, friends, co-workers, entities, people, circles, groups, etc.

12. Go to "Emails from Google":
http://myaccount.google.com/communication-preferences
-> turn OFF/block/disable/opt OUT of/stop all e-mails, features, newsletters, notifications, product tips, promo(tion)s, reminders, special offers, etc.
That is *unless* any of your accounts, apps, connections, interactions, memberships, notifications, services, subscriptions, etc depend on this setting being turned ON.

13. Go to Google Account "Permissions", which redirects to "Third-party apps & services":
http://myaccount.google.com/permissions
http://myaccount.google.com/connections
-> delete/disable/remove/stop/turn OFF all (if any) 3rd party/separate accounts, add-ons, alerts, app(lication)s, computers, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, hardware, interactions, memberships, notifications, peripherals, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc that appear/look/seem deceptive, dubious, fraudulous, illegal, malicious, not secure, out of place, suspicious, unauthorized, unknown, unneeded, unnecessary, untrustworthy, etc, and make sure to report them to Google

as soon as possible
http://support.google.com/accounts/answer/140921/
http://support.google.com/mail/answer/8253/
and/or the ones you don't feel comfortable, confident, safe, secure sharing, using, you have cancelled/stopped using/terminated, or you don't want to log on/sign in to using your current Google/Gmail account.
More info:
http://support.google.com/accounts/answer/10130420/
14. UNcheck all boxes/buttons, turn/slide OFF all switches/sliders + clear/delete all history/activity for "All time", for "Older than 3 months" (most recent available), and related to all ad(vertisement)s, tracking, (geo)location, history, activity, etc (if + where available).
http://support.google.com/accounts/answer/7660719/
More info:
http://www.techjunkie.com/automatically-delete-chrome-history-exit/
15. Go to "Privacy and security" -> "Safety check":
chrome://settings/privacy/
-> "Privacy Guide" ["Review key privacy and security controls"] -> "A guide of your privacy choices" ["Take a guided tour of key privacy and security controls. For more options, go to individual settings"] -> click "Go to Safety Check" button:
chrome://settings/safetyCheck/
-> view "Safety at a glance" + "Safety recommendations" sections for any alerts, notifications, prompts, warnings, etc, and then (if any) -> follow recommended/suggested guidelines/steps/tutorials to fix, improve, repair, update, etc your privacy, safety + security measures, protection, prevention, etc.
More info:
http://support.google.com/chrome/answer/10468685/
Next -> select (one at a time) the available options listed under "Learn how Chromium/Chrome keeps you safe":
- Chromium/Chrome safety tools:
http://www.google.com/chrome/#safe
- Chromium/Chrome Safe Browsing:
http://support.google.com/chrome/answer/9890866/
- Chromium/Chrome Incognito:
http://support.google.com/chrome/answer/9845881/
Next -> "Choose your search and browsing quality" (older web browser versions):
chrome://settings/privacy/guide/?step=msbb
-> turn OFF/slide left "Make searches and browsing better" to block/disable/opt OUT of/stop auditing, fingerprinting, (geo)location, personalized/targeted ad(vertisement)s/adware, phone-home, profiling, surveillance, tracking, privacy/safety/security exposure/invasion/intrusion, annoyances: "You'll get improved suggestions in the address bar", "URLs you visit are sent to Google to predict what sites you might visit next" + "If you also share Chromium/Chrome usage reports, those reports include the URLs you visit".
Then go -> Next (older web browser versions):
chrome://settings/privacy/guide/?step=safeBrowsing
-> select "Enhanced protection" OR "Standard protection" -> for each of these 2 choices click/drop down/touch the down arrow next to each selection so you can see more details and make an informed decision to properly suit your privacy needs + preferences, because "Enhanced protection" comes with certain compromises/concessions/trade-offs -> see "The downsides to Enhanced Safe Browsing" chapter:
http://www.cnet.com/tech/services-and-software/chrome-toughest-browser-security-what-you-give-up-enhanced-safe-browsing-mode/
More info:
http://www.quora.com/Is-it-safe-to-enable-Enhanced-protection-in-Google-Chrome/
http://arstechnica.com/gadgets/2024/03/google-says-chromes-new-real-time-url-scanner-wont-invade-your-privacy/
http://www.wired.com/story/how-to-use-google-chrome-enhanced-safety-mode/
BEWARE:
****
Turning ON "Enhanced protection" (see above) "Requires browsing data to be sent to Google." -> see this page for details:
http://support.google.com/accounts/answer/11577602/
Therefore if you are aware/careful/cautious/concerned/conscientious/informed/interested about your digital/internet/online privacy, safety + security, you may prefer to check "Standard protection" box instead, and also turn OFF/slide left "Help improve security on the web for everyone", which "Sends URLs of some pages you visit, limited system information, and some page content to Google, to help discover new threats and protect everyone on the web".
http://support.google.com/chrome/answer/96817/
More info:
http://www.ghacks.net/2013/11/09/disable-privacy-sensitive-features-google-chrome/
FYI:
****
In this case I prefer "Standard protection", and in order to strengthen internet browsing privacy, safety + security without making compromises/concessions/trade-offs, I use some of these "Essential Free Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Extensions" in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
and some of these "- Internet/Online Privacy, Safety + Security Tools [free(ware)]:" in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSSTF
In case you have selected "Standard protection" I prefer to disable/turn OFF/slide left "Help improve security on the web for everyone" ["Sends URLs of some pages that you visit, limited system information and some page content to Google, to help discover new threats and protect everyone on the web"] since contacting/logging/sending anything/subscribing to Google and their apps/platforms/services/sites including 3rd party, affiliated, associated, leased, (sub)contracted, partner, subsidiary implies your browser characteristics/settings/signature and some of your data/info/stats are being audited, fingerprinted, logged, recorded, tagged, etc, and used for behind-your-back/deceitful/disguised/hidden/intrusive/invasive purposes, even without your approval/authorization/consent/knowledge/permission.
Let's not forget Google is a for profit corporation with global reach + world wide influence whose sole purpose is maximizing financial profit by any means: advertisement, commercialization, marketing, monetizing, promo(tion), sales using dedicated A.I. enhanced algorithms, analytics, auditing, collection/logging, fingerprinting, (geo)location detection, profiling, snooping, spying/spyware, surveillance, telemetry, tracking/trackware deceptive, invasive methods/strategies detrimental + harmful to confidential/personal/privileged data/information/stats critical/essential/vital for protecting human privacy, safety + security, even if some of their methods/strategies have been banned/forbidden/outlawed in certain

countries/federations/nations/sovereignties/regions/states/territories/unions.
That's because your computer/device/electronics, apps, operating system, preferences, settings, web browser data and digital signatures are unique on the internet, and therefore easy to find, (geo)locate, monitor/surveil, spy on, track, etc.
Older web browser versions -> go to "Security":
chrome://settings/security/
-> "Safe Browsing" -> check "Enhanced protection" OR at least "Standard protection" box.
More info:
http://support.google.com/chrome/answer/9890866/
16. Go to "Privacy and Security" -> "Advanced":
chrome://settings/security/
-> turn ON/slide right "Always use secure connections" ["Upgrade navigations to HTTPS and warn you before loading sites that don't support it"]
http://www.eff.org/deeplinks/2021/09/https-actually-everywhere/
-> turn ON/slide right "Encrypt the names of sites that you visit" ["Use a secure Domain Name System (DNS) to prevent people with access to your Internet traffic from seeing which sites you visit"] -> turn ON/slide right "Warn you if a password (passwords) was (were) compromised (exposed) in a data breach" ["When you use a password, Chrome/Chromium warns you if it has been published online. When doing this, your passwords and usernames are encrypted, so they can't be read by anyone, including Google."]. These messages differ depending on your web browser version.
More info:
http://support.google.com/chrome/answer/10311524/
http://support.google.com/chrome/thread/23534509/
http://arstechnica.com/gadgets/2019/12/googles-password-checkup-goes-mainstream-is-built-into-chrome-79/
17. Go to "Manage security keys" (newer web browser versions):
chrome://settings/securityKeys
-> activate/add/change/deactivate/delete/manage/remove/verify all settings that apply to your environment, location, needs, preferences, requirements, etc:
- "Manage phones" [Control which phones you use as security keys]
chrome://settings/securityKeys/phones
- "Create a PIN" [Protect your security key with a PIN (Personal Identification Number)] -> requires to insert + touch your active/current security key;
- "Sign-in data" [Manage sign-in data stored on your security key] -> requires to insert + touch your active/current security key;
- "Fingerprints" [Add and delete fingerprints saved on your security key] -> requires to insert + touch your active/current security key;
- "Reset your security key" [This will delete all data on the security key, including its PIN] -> requires to remove your active/current security key from your computer/device, and then reinsert + touch it.
More info:
http://support.google.com/accounts/answer/6103523/
http://support.google.com/accounts/answer/9289445/
18. Newer Chromium/Chrome web browser versions: go to Privacy and Security -> "Ads privacy":
chrome://settings/adPrivacy/
-> "Ad topics":
chrome://settings/adPrivacy/interests/
-> turn OFF/slide left "Ad topics" ["Topics of interest are based on your recent browsing history and are used by sites to show you personalized ads"] -> go to Privacy and Security -> "Ad privacy" -> "Site-suggested ads":
chrome://settings/adPrivacy/sites/
-> turn OFF/slide left "Site-suggested ads" ["Sites you visit can determine what you like and then suggest ads as you continue browsing Sites"] -> go to Privacy and Security -> "Ad privacy" -> "Ad measurement":
chrome://settings/adPrivacy/measurement/
-> turn OFF/slide left "Ad measurement" ["Sites and advertisers can measure the performance of their ads"].
Recommended to install Simple Privacy Settings extension
http://chromewebstore.google.com/detail/simple-privacy-settings/aelfcidmdlhdpgdkdcbammhbpmbigpgm
-> go to
chrome://extensions/?id=aelfcidmdlhdpgdkdcbammhbpmbigpgm
-> turn ON/slide right "Pin to toolbar" -> click/touch Simple Privacy Settings [white checkmark inside green circle] toolbar icon -> check "Disable Ads Privacy" box, and all boxes that match your privacy needs/preferences.
More info:
http://www.androidpolice.com/how-to-disable-google-chromes-targeted-ad-tracking/
http://support.google.com/chrome/answer/13355898/
http://support.google.com/chrome/answer/2765944/
19. Go to "Cookies and other site data" -> "General settings":
chrome://settings/cookies/
also (previously) available under "Choose your third-party cookie preferences" (depending on your web browser version):
chrome://settings/privacy/guide/?step=cookies
-> check "Block (all) third-party cookies" box -> turn OFF/slide left "Allow related sites to see your activity in the group" ["A company can define a group of sites that can use cookies to share your activity in the group"] (newer web browser versions) -> skip "Privacy Sandbox" (see further below for details) -> press/touch "Done" (older web browser versions).
More info:
http://arstechnica.com/gadgets/2024/07/google-will-not-disable-tracking-cookies-in-chrome-after-years-of-trying/
http://indulge.digital/blog/browser-fingerprinting-google%E2%80%99s-latest-move-privacy-war
Turn ON/slide right "Clear cookies and site data when you close all windows", which is the safest choice, unless (some of) your digital/online/internet/intranet/network accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc function properly and/or require otherwise, and/or in order to provide continuity, ease of use + to save time, so you don't have to log/sign back on/in again every single time after you access/execute/launch/open/start/run respective account(s), app(s), link(s), shortcut(s), URL(s), web page(s)/page(s), your web browser(s), etc.
More info:
http://support.google.com/chrome/answer/95647/
CAUTION:
****
"Clear cookies and site data when you close all windows" option, which is also available as "Cookies and site data" under

"Clear browsing data"
chrome://settings/clearBrowserData/
[see further below for details], will automatically log you OFF from/sign you OUT of *all* your accounts (in case using any) you are currently logged on/signed in into which deliver/are linked to/provide access to accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc.
Consequently after deleting all stored cookies you will have to log on/sign back in into *all* your online/internet/network accounts separately, one at a time (if any + if more than 1).
To clear/delete/remove saved/stored cookies for a specific domain/server/web site of your choice -> go to "All sites" -> "See all site data and permissions":
chrome://settings/content/all/
-> scroll down to desired domain/server/web site name/IP address/URL that has 1 or more cookies stored locally on your computer/device -> click/touch right arrow next to it to drop down (open up) respective domain/server/web site name/IP address/URL list of data/permissions/settings (if any) -> in case respective domain/server/web site name/IP address/URL has any cookies -> click/touch trash can icon/logo/symbol next to it -> click "Delete" button below "Delete site data and permissions for ...".
Repeat this process for each desired domain/server/web site name/IP address/URL (if more than 1).
More info:
http://support.google.com/chrome/answer/95647/
20. Go to "On-device site data":
chrome://settings/content/siteData/
-> check "Don't allow sites to save data on your device (not recommended)" box -> below "Customized behaviors" click/touch "Add" button next to "Allowed to save data on your device" -> paste/type [1 @ a time if more than 1] IP(s) and/or URL(s) of digital, internet/online accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc confidential/personal/private/safe/secret/secure credentials, passwords/passcodes/passkeys/passphrases/pins codes/phrases/questions/(key)words [if any] you need to access, connect to, log on, sign in and keep/remain/stay connected to/logged on to/signed in using private information [usually user handle/name/nickname + code/keyword/passcode/passkey/passphrase/password/pin] -> click/touch "Add" button for each IP/URL [if more than 1].
More info:
http://privacysandbox.google.com/cookies/basics/cookie-blocking/
CAUTION:
****
In order to maintain the session active/alive for all your future visits without the need for you to reconnect/log back on/sign in again every single time you go back most all apps/platforms/services/sites/social media who require confidential/personal/private/safe/secret/secure credentials for access purposes need to store data/information (encrypted) in your web browser.
21. Turn OFF Journeys (newer web browser versions):
http://chromestory.com/2022/03/how-to-disable-google-chrome-journeys/
-> go to "History":
chrome://history/
-> click/touch once "Turn off journeys" left hand side item -> it should change to "Turn on journeys" (leave it alone) -> go to:
chrome://flags/
-> in the Search box type [multiple flags settings]:
journeys
-> press Enter -> Disabled -> all listed "History Journeys ??", "NTP Journeys ??" + "Side panel Journeys" flags instances/items/options/settings one at a time -> relaunch/restart your web browser for all changes to take effect.
After doing all this "Turn off (on) journeys" left hand side item mentioned above should have disappeared from "History":
chrome://history/
22. Turn OFF/disable Sync for *all* your Chromium/Chrome (Chrome, Gmail, Google) account(s) (if any + if more than 1), apps, activity, autofill, bookmarks, data/information, extensions, (activity, browsing, search) history, location/(geo)tracking, (open) tabs, (stored) passwords, settings, themes, etc to stop backing up/keeping/sending/storing your confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats to Google (Alphabet), and/or 3rd party/affiliates/associates/branches/brands/companies/divisions/entities/parents/partners/subsidiaries (cloud/network/remote) domains/servers/sites.
You *must* be already logged on/signed in into 1 of your Chromium/Chrome, Gmail or Google account(s) (if more than 1) in order to access Google Sync:
http://chrome.google.com/sync
More info:
http://support.google.com/chrome/answer/185277/
http://en.wikipedia.org/wiki/Google_Sync
http://en.wikipedia.org/wiki/Privacy_concerns_with_Google
23. Turn OFF/disable *all* Privacy Sandbox + Third-party Cookie(s) settings + flags settings [some may not be available, or/and have their names/parameters/settings changed/renamed or/and removed depending on your web browser(s) version(s)]:
Go to "Privacy Sandbox" [currently (still) in testing/trial phase (?)]:
chrome://settings/privacySandbox/
-> turn OFF/slide left "Privacy Sandbox trial" (older web browser versions) OR "Trials" (newer web browser versions).
Go to (newer web browser versions) "Privacy Sandbox Privacy Guide Ad Topics" [flags setting]:
chrome://flags/#privacy-sandbox-privacy-guide-ad-topics
-> Disabled.
Go to (newer web browser versions) "Privacy Sandbox Privacy Policy" [flags setting]:
chrome://flags/#privacy-sandbox-privacy-policy
-> Disabled.
Go to (newer web browser versions) "Privacy Sandbox Ad Topics Content Parity" [flags setting]:
chrome://flags/#privacy-sandbox-ad-topics-content-parity
-> Disabled.
Go to (older web browser versions) "Privacy Sandbox Ads APIs" [flags setting]:
chrome://flags/#privacy-sandbox-ads-apis
-> Disabled.

Go to (newer web browser versions) "Privacy Sandbox Enrollment Overrides" [flags setting]:
chrome://flags/#privacy-sandbox-enrollment-overrides
-> Disabled.
Go to (newer web browser versions) "Privacy Sandbox Internals Page" [flags setting]:
chrome://flags/#privacy-sandbox-internals
-> Disabled.
Go to (newer web browser versions) "Third-party Cookie Phase Out Facilitated Testing" [flags setting]:
chrome://flags/#tpc-phase-out-facilitated-testing
-> Disabled.
Go to (newer web browser versions) "Third-party Cookie Deprecation Trial Grants for Testing" [flags setting]:
chrome://flags/#third-party-cookie-deprecation-trial
-> Disabled.
Go to (newer web browser versions) "Third-party Cookie Grants Heuristics Testing" [flags setting]:
chrome://flags/#tpcd-heuristics-grants
-> Disabled.
Go to (newer web browser versions) "Top-Level Third-Party Cookie Deprecation Trial Grants for Testing" [flags setting]:
chrome://flags/#top-level-third-party-cookie-deprecation-trial
-> Disabled.
Go to (newer web browser versions) "Enable reporting of Cookie Issues for legacy technology report" [flags setting]:
chrome://flags/#legacy-tech-report-enable-cookie-issue-reports
-> Disabled.
Go to (newer web browser versions) "Third-Party Cookie Deprecation Metadata Grants for Testing" [flags setting]:
chrome://flags/#tpcd-metadata-grants
-> Disabled.
Go to (newer web browser versions) "Test Third Party Cookie Phaseout" [flags setting]:
chrome://flags/#test-third-party-cookie-phaseout
-> Disabled.
Go to (newer web browser versions) "Bind cookies to their setting origin's port" [flags setting]:
chrome://flags/#bind-cookies-to-port
-> Enabled.
Go to (newer web browser versions) "Bind cookies to their setting origin's scheme" [flags setting]:
chrome://flags/#bind-cookies-to-scheme
-> Enabled.
Go to (older web browser versions) "FedCmExemptIdPWithThirdPartyCookies" [flags setting]:
chrome://flags/#fedcm-exempt-idp-with-third-party-cookies
-> Disabled.
Go to (older web browser versions) "FedCmWithoutThirdPartyCookies" [flags setting]:
chrome://flags/#fedcm-without-third-party-cookies
-> Enabled.
Relaunch/restart your web browser(s) for all changes to take effect.
More info:
http://www.eff.org/deeplinks/2023/09/how-turn-googles-privacy-sandbox-ad-tracking-and-why-you-should/
http://en.wikipedia.org/wiki/Privacy_Sandbox
http://developer.chrome.com/blog/cookie-countdown-2023oct/
http://github.com/amaliev/3pcd-exemption-heuristics/blob/main/explainer.md
http://developer.chrome.com/en/docs/privacy-sandbox/chrome-testing/
http://developers.google.com/privacy-sandbox/
BEWARE:
****
Privacy Sandbox is just another behind-your-back, covert, deceptive, hidden, subversive Google ad(vertisement), fingerprinting, profiling, spying, surveillance, tracking proprietary platform disguised as a new privacy "feature", when in fact its actual purpose is to open up a new "Pandora's Box"
http://en.wikipedia.org/wiki/Pandora%27s_box
of 3rd party cookies replacement/workaround spying/surveillance/tracker system conceived by Google, and already supported by over 500 [!] for profit ad(vertising)/spying/surveillance/tracking businesses/companies/corporations/entities, all going along with Google's intention of installing it soon [final stable phase] in all future/upcoming Chromium/Chrome web browsers editions/releases/versions.
More info:
http://www.theregister.com/2024/06/13/noyb_gdpr_privacy_sandbox/
http://theconversation.com/google-chrome-know-213150/
http://arstechnica.com/gadgets/2023/09/googles-widely-opposed-ad-platform-the-privacy-sandbox-launches-in-chrome/
http://indulge.digital/blog/browser-fingerprinting-google%E2%80%99s-latest-move-privacy-war
http://gizmodo.com/1850812404/
http://www.engadget.com/google-antitrust-suit-amended-chrome-privacy-sandbox-texas-193709103.html
http://blog.lukaszolejnik.com/data-protection-assessment-of-privacy-sandboxs-protected-audience-api/
http://en.wikipedia.org/wiki/Privacy_Sandbox#Criticism
See also "* Everything about HTTP/web/internet/browser Cookies:" section further above in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=%2A%20Everything%20about%20HTTP%2Fweb%2Finternet%2Fbrowser%20Cookies%3A
24. Turn OFF/slide left "FLoC" (Federated Learning of Cohorts) (older web browser versions).
http://lifehacker.com/1847276073/
http://en.wikipedia.org/wiki/Federated_Learning_of_Cohorts
FLoC was actually used by for profit ad(vertising)/spying/surveillance/tracking industry in order to covertly/stealthily bypass infamous 3rd party cookies fiasco:
http://www.eff.org/deeplinks/2021/03/googles-floc-terrible-idea/
Am I FLoCed? -> Test Your Web Browser(s):
http://amifloced.org/
Fortunately newer Chromium/Chrome web browser versions discontinued obsolete/unsuccessful FLoC method, but unfortunately Google is under way replacing it with a new, not so obvious technology, called Topics.
http://techcrunch.com/2022/01/25/google-kills-off-floc-replaces-it-with-topics/
25. Better safe than sorry... in order to prevent the risk of your confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats from being found/hacked/stolen, and eventually distributed, leaked, posted, published, shared, sold: go to "Payment methods":

chrome://settings/payments/
-> turn OFF/slide left "Save and fill payment methods" ["Fills in payment forms with your saved payment methods"] -> turn OFF/slide left "Allow sites to check if you have payment methods saved" -> turn ON/slide right "Always verify when using autofill" ["When turned off, you may be asked occasionally to verify for security purposes"] -> look below the "Add" button -> in case you see any cards, credit or payment methods listed there -> for each of them (if more than 1) click/touch vertical ellipsis (3 vertical dots, older web browser versions: 3 bars) on the right side -> Delete -> Delete -> repeat these steps for all (if any) items on this list.
26. Go to [generic example]:
http://www.google.com/search?q=search
-> click right side "Quick Settings" gear icon -> click "Personalization & cookies" -> turn OFF "Ad personalization on Search" -> click "Confirm your settings" button.
Go to:
http://tools.google.com/dlpage/gaoptout/
-> click "Get Google Analytics Opt out Browser Add-on" button which goes to "Google Analytics Opt-out Add-on (by Google)" [automates sending of Opt OUT signals to Google Analytics + affiliate/partner sites to avoid ad(vertising)/adware profiling, nsurveillance, targeting, tracking] Chromium/Chrome extension web page
http://chromewebstore.google.com/detail/google-analytics-opt-out/fllaojicojecljbmefodhfapmkghcbnh
-> click "Add to Chrome" button -> click "Add extension" button -> go to:
chrome://extensions/?id=fllaojicojecljbmefodhfapmkghcbnh
-> turn ON/slide right "Allow in Incognito" [private browsing mode].
Go to "IBA Opt-out (by Google)" [automates sending of Opt OUT signals to some of the Google IBA (Interest Based Ads) 3rd party/affiliate/partner sites to avoid ad(vertising)/adware profiling, surveillance, targeting, tracking] Chromium/Chrome extension web page
http://chromewebstore.google.com/detail/iba-opt-out-by-google/gbiekjoijknlhijdjbaadobpkdhmoebb
-> click "Add to Chrome" button -> click "Add extension" button -> go to:
chrome://extensions/?id=gbiekjoijknlhijdjbaadobpkdhmoebb
-> turn ON/slide right "Allow in Incognito" [private browsing mode].
27. Go to "My Ad Center", a.k.a. "Ad personalization", a.k.a. "Ads you can control":
http://myadcenter.google.com/
or
http://myadcenter.google.com/personalizationoff
and formerly available at
http://adssettings.google.com/authenticated
or at
http://adssettings.google.com/
-> turn OFF/slide left "Personalized ads" rightmost at the top of the page -> click/touch "Turn OFF personalized ads" box center at the bottom of the page [formerly "Ad personalization is ON"] to read "Turn ON personalized ads" [formerly "Ad personalization is OFF"].
BEWARE:
****
Google (Alphabet) [same as most other ad(vertisement)/marketing/surveillance/tracking profit based businesses/companies/corporations/entities at the expense of privacy, safety, security] is known to employ a few (not so) well known strategies: buries deep, changes often, switches around names, options, settings, titles, URLs, web pages, etc connected/related to their for profit ad(vertising)/marketing/prom(otion)/surveillance/tracking business, and also adds new ones frequently, makes them ambiguous, cumbersome, confusing, hard to find in the hope more people end up getting annoyed, bored, confused, tired, and give up looking around while attempting to block/disable/turn them off.
28. Go to "Your Ad Choices", a.k.a. "DAA Webchoices Browser Check" [formerly linked at web page above as "Control ad personalization on other websites & apps that use Google ad services"]:
http://optout.aboutads.info/
In case right side "Third-Party Cookie Check" square box displays a red "X", and in case the long list of for profit ad(vertising)/adware/spying/surveillance/tracking companies/web sites that need to be opted OUT of is absent or disabled -> you're all set.
In case there is a long list of ad(vertising)/adware/surveillance/tracking for profit businesses/companies/corporations/entities/web sites that you need to opt OUT of -> wait a few seconds for web browser detection to complete [may take a while! :-(-> let it reach 100%.
Under "Opt OUT?" click/touch "select ALL" (top of page right side), or click/touch "OPT OUT OF ALL" (bottom of page) -> wait a few seconds for web browser detection to complete [total 140+ opt-OUT requests! :-(-> let it reach 100%.
Click "View Updated Results" -> make sure *all* boxes have been UNchecked + *all* items turned OFF/disabled.
29. Go to "My Google Activity":
http://myactivity.google.com/myactivity
-> Delete activity by (left side) -> select "All time" -> Delete button -> turn OFF *all* activities:
- Web & App [+ Search] Activity,
- Location History,
- YouTube History,
and *all* other activities/histories/logs/tracking (if + where available).
OR go to "Activity controls" (same 3 choices as above):
http://myactivity.google.com/activitycontrols
-> Web & App [+ Search] Activity
http://myactivity.google.com/activitycontrols/webandapp
OR
http://myactivity.google.com/personalization/settings/waa
-> turn OFF.
Also UNcheck these 2 boxes: "Include Chrome history and activity from sites, apps and devices that use Google services" + "Include voice and audio activity".
30. Go to "Location History":
http://myactivity.google.com/activitycontrols?settings=location
-> turn OFF.
Go to "YouTube History":
http://myactivity.google.com/product/youtube/
-> turn OFF "Saving your YouTube history" -> after that should say "NOT saving your YouTube history".
Then go to "YouTube History" activity controls:
http://myactivity.google.com/activitycontrols?settings=youtube

-> turn OFF -> UNcheck these 2 boxes: "Include the YouTube videos you watch" + "Include your searches on YouTube".
More info:
http://support.google.com/accounts/answer/7028918/
http://support.google.com/youtube/answer/57711/
http://support.google.com/chrome/answer/185277/
Go to "Personalized ads on sites and apps that partner with Google":
http://adssettings.google.com/partnerads
-> expand (click down arrow) "Related Google Account settings" -> UNcheck "Also save data in your Google Account from sites and apps that partner with Google" box.
31. Go to "Your ad choices":
http://www.youronlinechoices.com/uk/your-ad-choices/
Turn OFF *all* individual companies/entities/web sites listed on that web page (if any).
32. Go to "Google News Settings":
http://news.google.com/settings
-> turn OFF/clear/delete "Hidden sources".
Under "My activity" -> click/touch "View" -> go to:
http://myactivity.google.com/product/news/controls/
-> delete all activities/histories/tracking -> UNcheck *all* "Subsettings": "Include Chrome history and activity from sites, apps and devices that use Google services" + "Include voice and audio activity" -> turn OFF "Web & App Activity".
33. Click/touch vertical ellipsis (3 vertical dots, older web browser versions: 3 bars) Menu (Customize and control Chromium/Chrome) at the top right corner or go to "Settings":
chrome://settings/
-> go to "You and Google" (newer web browser versions) or "People" (older web browser versions) -> "Sync and Google services" (newer web browser versions) or "Sync" (older web browser versions):
chrome://settings/syncSetup/
-> turn OFF/slide left "On - sync everything" (or similar + if available) -> relaunch/restart your web browser.
Under "Other Google services" turn OFF/slide left *all* available items (depending on your web browser version):
- "Allow Chromium/Chrome sign-in" ["By turning this off, you can sign in to Google sites such as Gmail, without signing in to Chromium/Chrome"],
- "Autocomplete searches and URLs" (older web browser versions),
- "Make searches and browsing better" ["Sends URLs of pages that you visit to Google"],
- "Improve search suggestions" ["When you type in the address bar or search box, Chromium/Chrome sends what you type to your default search engine to get better suggestions"]
-> relaunch/restart your web browser.
Older web browser versions: go to "Settings":
chrome://settings/
-> click/touch "Advanced settings" at the bottom -> "Privacy" -> UNcheck "Use a prediction service to help complete searches and URLs typed in the address bar" box -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/answer/9116376/
http://en.wikipedia.org/wiki/Privacy_concerns_with_Google
CAUTION:
****
Google apps, Sharing, Sync, Password Checkup + as well as most all other cloud/remote location/server based Google + Google related/partner/specific accounts/add-ons/apps/enrollments/extensions/features/memberships/notifications/services/software/subscriptions require you to be logged on/signed in with (1 of) your Android/Chrome/Gmail/Google/YouTube account(s) (if more than 1).
"Degoogled", stripped of Google code + "Ungoogled" Chromium alternatives/derivatives/forks/variants (based on Chromium code) web browsers do *NOT* have Google API Keys built-in, for the purpose of enhancing/improving/protecting privacy + safety.
More info:
http://chromium.woolyss.com/#google-api-keys
http://blog.chromium.org/2021/01/limiting-private-api-availability-in.html
http://www.chromium.org/developers/how-tos/api-keys/
34. Go to "Background sync" ["After you leave a site, it can keep syncing to finish tasks, like uploading photos or sending a chat message"]:
chrome://settings/content/backgroundSync/
-> check "Don't allow closed sites to finish sending or receiving data" box ["After closing a page, tasks you started might not finish"].
More info:
http://support.google.com/chrome/answer/185277/
35. Click/touch circular Sync profile menu icon at the top right corner (depending on your web browser version) -> turn OFF/slide left "Sync and personalize Chromium/Chrome across your devices".
More info:
http://en.wikipedia.org/wiki/Privacy_concerns_with_Google
36. If using Google Mail (Gmail) and/or any other Google or/and Google related account(s)/membership(s)/subscription(s): turn OFF/slide left "Allow Chromium/Chrome sign-in" which automatically logs/signs you into all your Google account(s) (if you have more than 1) whenever you log on/sign in into your Android/Chrome/Gmail/Google/YouTube account(s) (if any), and every time you access again/execute/(re)launch/(re)open/(re)start/(re)run your Google + Google related app(s)/web browser(s)/enrollment(s)/service(s)/subscription(s).
37. Turn OFF/slide left both "Autocomplete searches and URLs" + "Sends URLs of pages you visit to Google" (depending on your web browser version).
More info:
http://support.google.com/chrome/answer/114836/
http://support.google.com/websearch/answer/7368877/
38. Click/touch vertical ellipsis (3 vertical dots, older web browser versions: 3 bars) Menu (Customize and control Chromium/Chrome) at the top right corner -> Settings -> Advanced -> "Privacy and security" (older web browser versions) OR
-> "Cookies and other site data" (newer web browser versions) OR "Third-party cookies" (newest web browser versions):
chrome://settings/cookies/
-> turn ON/check/slide right "Send a 'Do Not Track' (DNT) request with your browsing traffic" (newer web browser versions)
-> click/touch "Confirm" button.
More info:
http://support.google.com/chrome/answer/2790761/

39. Go to "Notifications":
chrome://settings/content/notifications/
-> below "Default behavior" turn OFF/disable/opt OUT of/stop all "(Push) Notifications" -> check "Don't allow sites to send notifications" OR "Block all: Turn OFF Ask before sending", OR turn OFF/slide left to read "Blocked" (depending on your web browser version) -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/answer/3220216/
http://www.makeuseof.com/tag/disable-notifications-chrome-firefox-safari/
http://www.howtogeek.com/725208/how-to-turn-off-pop-up-notifications-in-google-chrome/
CAUTION:
****
In case you are using any accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc that require notifications to be turned on, or/and if you prefer to receive notifications you can always turn them (back) ON/(re)enable/opt IN/allow them.
40. Go to "Disruptive notification permission revocation" (available depending on your web browser version) [flags setting]:
chrome://flags/#disruptive-notification-permission-revocation
-> Enabled -> relaunch/restart your web browser.
Enables revoking the notification permission on sites that send disruptive notifications unless the permission was granted through a prompt that informed the user about this possibility.
More info:
http://9to5google.com/2022/06/01/chrome-block-notifications-disruptive-websites/
http://support.google.com/chrome/answer/3220216/
41. Go to "Intrusive ads":
chrome://settings/content/ads/
-> check "Ads are blocked on sites known to show intrusive or misleading ads" box -> relaunch/restart your web browser.
Go to "Pop-ups and redirects":
chrome://settings/content/popups/
-> check "Don't allow sites to send pop-ups or use redirects" box -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/answer/95472/
Go to "Camera":
chrome://settings/content/camera/
-> check "Don't allow sites to use your camera" box -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/answer/2693767/
Go to "Microphone":
chrome://settings/content/microphone/
-> check "Don't allow sites to use your microphone" box -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/answer/2693767/
Go to "Embedded content" [Local Storage content]:
chrome://settings/content/storageAccess/
-> below "Default behavior" section check "Sites are blocked from asking you to use info they've saved about you" box -> relaunch/restart your web browser.
More info:
http://support.google.com/chrome/answer/114662/
CAUTION:
****
In case you are using any accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc that require confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats for access, identification, usage, verification and/or to log on/sign in -> go to "Embedded content" [Local Storage content]:
chrome://settings/content/storageAccess/
-> below "Default behavior" section check "Sites can ask to use info they've saved about you" box [default option] -> relaunch/restart your web browser.
42. Go to "Auto-verify":
chrome://settings/content/autoVerify/
-> turn ON/slide right "Auto-verify" ["Sites that you visit can verify that you're a real person and not a bot"] in order to (eventually, likely, maybe) bypass some of the annoying CAPTCHA check/verification prompts/puzzles, and some of those CATCHA obsessed domains/sites may even remember you have already proven you're human for future reference if you decide to visit them again.
More info:
http://www.androidpolice.com/chrome-solution-captcha/
http://www.makeuseof.com/chrome-browse-without-captcha/
http://mashable.com/article/google-chrome-microsoft-edge-web-browsers-captcha-auto-verify/
43. Go to "JavaScript optimization and security" ["Speeds up sites with Chromium/Chrome V8 engine but makes Chromium/Chrome slightly less resistant to attacks"]:
chrome://settings/content/v8/
-> check "Don't allow sites to use JavaScript optimization" box.
44. Go to "Clear browsing data" [pop-up dialog box/window with multiple choices]:
chrome://settings/clearBrowserData/
-> Advanced tab -> Time range -> select "All time" -> check all boxes you deem necessary/see fit for your specific choices/needs/preferences, and more importantly in order to preserve + protect your privacy/safety/security [if you're seriously careful/concerned/conscientious you should check all of them ;-/] -> press "Clear data" button.
CAUTION:
****
"Clear cookies and site data" option [also available as "Clear cookies and site data when you close all windows" under "Cookies and other site data" -> chrome://settings/cookies/ -> see respective topic further above] will automatically log you OFF from/sign you OUT of *all* your accounts (in case using any) you are currently logged on/signed into which deliver/are linked to/provide accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments,

extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc.
Consequently after deleting all stored cookies you will have to log on/sign back in into *all* your online/internet accounts separately, one at a time (if any + if more than 1).
45. Go to "System":
chrome://settings/system/
-> turn OFF/slide left "Continue running background apps when Chromium/Chrome is closed".
46. Protect against WebRTC (Web Real Time Communication) STUN [Session Traversal Utilities for NAT (Network Address Translation)] UDP (User Datagram Protocol) IP (Internet Protocol) leaks:
A. Newer web browsers versions:
Install a free extension which prevents/protects/shields against WebRTC IP leaks:
http://chromewebstore.google.com/search/webrtc%20leak
Examples:
- WebRTC Leak Prevent:
http://chromewebstore.google.com/detail/webrtc-leak-prevent/eiadekoaikejlgdbkbdfeijglgfdalml
- Privacy Tweaks:
http://chromewebstore.google.com/detail/privacy-tweaks/indpljpndioefdhmhafebdcddigbogbn
B. Older web browsers versions:
Anonymize/conceal/hide/mask local/private IP (Internet Protocol) addresses exposed by the WebRTC protocol RTCPeerConnection API interface leaks (and used frequently by 3rd parties for spying/surveillance/tracking purposes) with mDNS (multicast Domain Name System) hostnames: go to "Anonymize local IPs exposed by WebRTC" ["Conceal local IP addresses with mDNS hostnames"] [flags setting]:
chrome://flags/#enable-webrtc-hide-local-ips-with-mdns
-> Enabled -> relaunch/restart your web browser.
More info:
http://groups.google.com/g/discuss-webrtc/c/6stQXi72BEU/
http://en.wikipedia.org/wiki/WebRTC
http://en.wikipedia.org/wiki/STUN
http://en.wikipedia.org/wiki/Network_address_translation
http://en.wikipedia.org/wiki/User_Datagram_Protocol
http://en.wikipedia.org/wiki/Internet_Protocol
http://en.wikipedia.org/wiki/Multicast_DNS
After enabling this workaround using either method above [A. or B.] you can test for WebRTC IP leaks:
http://diafygi.github.io/webrtc-ips/
47. Go to "Experimental QUIC protocol" [flags setting]:
chrome://flags/#enable-quic
-> Enabled -> relaunch/restart your web browser.
FYI:
****
QUIC (Quick UDP Internet Connections) is an encrypted, safe, secure + time saving protocol (communications network transport layer) especially if using any real time cellular/mobile/remote/web app(lication)s, IoT (Internet of Things) or/and IoV (Internet of Vehicles) connections/devices/electronics, cloud/remote service/storage computing, eBanking/eCommerce/ePay app(lication)s/payment/transaction methods.
More info:
http://www.emqx.com/en/blog/quic-protocol-the-features-use-cases-and-impact-for-iot-iov/
http://blog.cloudflare.com/the-road-to-quic/
http://en.wikipedia.org/wiki/QUIC
48. Turn OFF/block/disable/stop Google Search [+ other Google/Alphabet apps, features, services, sites, etc] from detecting/seeing/tracking and/or asking/insisting/prompting you (over and over, from time to time) for your estimated/exact/precise (geo)detection/(geo)location (geographical position)/location sharing/(geo)tracking, and/or asking for your postal/ZIP code, in most cases used for fingerprinting/profiling/snooping/spying/surveillance/tracking purposes on all your Android/Google/Chromium/Chrome/ChromeOS cellular/mobile/portable devices and computers/laptops/portables, unless it is mandatory/necessary/required for your accounts, add-ons, alerts, app(lication)s, blogs, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc needs/options/preferences/settings:
http://www.cnet.com/tech/services-and-software/youre-likely-being-tracked-by-google-turn-off-these-settings-to-stop-it/
A. Go to "Location":
chrome://settings/content/location/
-> under "Default behavior" section UNcheck "Sites can ask for your location" box -> check "Don't allow sites to see your location" ["Features that need your location won't work"] box.
More info:
http://support.google.com/chrome/answer/142065/
http://perishablepress.com/disable-location-prompts-google-chrome/
CAUTION:
****
Turning OFF your web browser (geo)location detection/(geo)tracking may prevent certain Google or 3rd party/affiliated/associated/independent/partner/related accounts, add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, programs, services, (web) sites, (social) media, software, subscriptions, widgets, etc that depend on it from functioning/operating adequately/correctly/properly.
Consult their documentation, FAQs, help, guidelines, manuals, ReadMe files, support, wikis, etc for specific details.
WORKAROUND:
****
In case you need any specific account/app/blog/e-mail/forum/enrollment/notification/membership/social media/subscription/etc domain/manager/owner/provider/service/site/vendor/etc to see your (geo)location: go to
chrome://settings/content/automaticDownloads/
-> scroll down to "Customized behaviors" -> under "Not allowed to automatically download multiple files" section click/touch "Add" button -> copy & paste or type desired secure HTTPS (HyperText Transfer Protocol Secure) address/URL [generic example: replace "siteIneed2seemylocation.com" below with the actual site name + proper suffix after the dot (.) followed by :443 (standard port number for HTTPS traffic)] [NOTE: made-up domain below does NOT exist, used here only as generic example.]
https://siteIneed2seemylocation.com:443
click/touch "Add" button -> click/touch newly added address/URL to expand it -> scroll down to "Location" item -> select

"Allow". In case you need/prefer to do this for several different sites -> repet all these steps for all addresses/URLs you select to allow to detect/see/track your (geo)location -> relaunch/restart your web browser.
B. Go to "One time permission" [Enables experimental one time permissions for Geolocation, Microphone and Camera] [flags setting]:
chrome://flags/#one-time-permission
-> Disabled -> relaunch/restart your web browser.
C. Install Verbatim Search extension [always use verbatim search with Google as default]:
http://chromewebstore.google.com/detail/verbatim-search/occcfdnjdbgjglcbpolkmjnjillkgbcm
More info:
http://news.ycombinator.com/item?id=12047057
http://www.reddit.com/r/chrome/comments/18lfn6l/
D. Go to the particular domain/web site, document, domain, file, location, page, etc address/URL which insists asking/prompting you for detecting/seeing/tracking your (geo)location with annoying/counterproductive/disruptive pop-ups (typical example):
http://www.google.com/
-> right-click its URL/URI address/link/shortcut bar/box/space (omnibox) icon/lock symbol/logo at the top left corner -> turn OFF/slide left "Location".
Repeat same steps above for all desired web sites/documents/domains/files/locations/pages/etc.
More info:
http://www.reddit.com/r/chrome/comments/18lfn6l/
http://support.google.com/websearch/thread/240408580/
http://support.google.com/websearch/thread/249492098/
BEWARE:
****
Most for profit internet/online based businesses/companies/corporations/entities use your (geo)location [(geo)tracking] [usually in combination with other uniquely identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats] for undesirable/unnecessary/unneeded/unused/useless/unwanted personalized/targeted ad(vertisement)s/adware, auditing, biometrics/data/fingerprint/information/stats collection/logging, fingerprinting, (geo)marketing, intrusion/invasion of privacy, promo(tion)s, fingerprinting, profiling, surveillance, spying, telemetry snooping ("phone home"), tracking, "offers", etc, despite the fact that in certain countries/federations/nations/sovereignties/regions/states/territories/unions such fraudulous/illegal methods/strategies have been already banned/forbidden/outlawed by law/regulation.
More info:
http://en.wikipedia.org/wiki/Internet_geolocation
http://www.eff.org/tags/location-tracking/
http://www.eff.org/cases/geolocation-privacy/
http://medium.com/@ppreddy576/real-time-geolocation-data-is-vulnerable-to-surveillance-and-abuse-658a9554a007/
http://www.aclu.org/issues/privacy-technology/location-tracking/
http://gdpr-info.eu/issues/personal-data/
49. Turn OFF "Spell check" -> go to "Languages":
chrome://settings/languages/
-> turn OFF/slide left "Check for spelling errors when you type text on web pages".
BEWARE:
****
This so-called "enhanced feature" actually sends unauthorized/without your approval/consent/knowledge/permission uniquely identifiable/personal/private/privileged information [like plain text, or even unencrypted passwords!] to 3rd party/affiliated/associated/leased/(sub)contracted/partner/subsidiary businesses/sites/servers, even in Incognito (Private Browsing) mode.
More info:
http://defensivecomputingchecklist.com/WebBrowsers.php
http://www.otto-js.com/news/article/chrome-and-edge-enhanced-spellcheck-features-expose-pii-even-your-passwords/
http://support.google.com/chrome/answer/12027911/
50. Disable/turn ØFF Google "A.I. chatbot overviews" + "Ask anything with AI Mode" in Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/links.htm#AI0G
ßUGs:
*****
Google changed front/main search page without giving users any choice!
http://arstechnica.com/gadgets/2024/05/google-search-adds-web-filter-as-it-pivots-to-ai-focused-search-results/
Search results space has been taken over by their "A.I. chatbot overviews" + "Ask anything with AI Mode" (whose sole purpose is invasive for profit advertisement/marketing/monetization/promotion/sales + auditing/fingerprinting/spying/surveillance/tracking, and in most cases exaggerated, inaccurate, incorrect, misleading, or worse... *dangerous*, *harmful* advice!),
http://www.theguardian.com/technology/2026/jan/02/google-ai-overviews-risk-harm-misleading-health-information/
http://www.extremetech.com/internet/google-search-ai-is-giving-users-catastrophic-instructions/
http://futurism.com/the-byte/google-admits-ai-search-feature-dumpster-fire/
http://arstechnica.com/ai/2024/06/googles-ai-overviews-misunderstand-why-people-use-google/
http://arstechnica.com/information-technology/2024/05/googles-ai-overview-can-give-false-misleading-and-dangerous-answers/
and you have to scroll down a lot, or even go to the next page/screen/viewport so you can reach the actual list of links containing answers/documents/files/pages/sites/etc pertaining to your search query. :-(
Quick FIX:
****
Disable/turn ØFF Google A.I. chatbot overviews in Chromium/Chrome [+ alternatives/derivatives/forks/variants] -> install these extensions [free]:
- Disable AI Overview | Turn Off AI Overview extension:
http://chromewebstore.google.com/detail/disable-ai-overview-turn/jledohjahnkncbmnfmbnaophlakhoanl
- Bye Bye, Google AI: Turn off Google AI Overviews, Discussions and Ads extension:
http://chromewebstore.google.com/detail/bye-bye-google-ai-turn-of/imllolhfajlbkpheaapjocclpppchggc
More FIXes:
****
http://www.mdgx.com/links.htm#AI0G
51. Go to "Performance":

chrome://settings/performance/
Optional: below "General" section -> turn OFF/slide left annoying/interrupting/redundant "Performance issue alerts" ["Get notifications that suggest ways to improve detected performance issues"].
More info:
http://support.google.com/chrome/answer/12929150/
Below "Speed" section -> turn ON/slide right "Preload pages" ["When on, Chromium/Chrome preloads pages, which makes browsing and searching faster"] -> check "Standard preloading" box.
It is recommended to avoid checking/selecting "Extended preloading" box because some of your personal/private uniquely identifiable biometrics/data/fingerprint/information/stats will be sent to Google [whose servers are being used for proactive advanced/extended pre-caching/preloading: "More pages are preloaded. Pages may be preloaded through Google servers when requested by other sites"], and to the respective web sites [and in many cases to other 3rd party/cross-site/external/federated/outsourced (cloud) servers] who use locally stored [on your computer/device] HTTP/web/internet/browser cookies, and in many cases other auditing, detection, fingerprinting, profiling, snooping, spying, surveillance, tracking methods. Quote:
"Things to consider
If you allow cookies, Chromium/Chrome may use them when preloading.
When a site asks to privately preload links on their page, Chromium/Chrome uses Google servers. This hides your identity from the preloaded site, but Google learns what sites get preloaded."
More info:
http://www.zdnet.com/home-and-office/work-life/need-google-chrome-to-load-pages-faster-enable-this-feature-to-speed-it-up/
http://privacyinternational.org/guide-step/4326/chrome-adjusting-settings-enhance-your-online-privacy/
52. Log on/sign in into your main or most (frequently) used Gmail/Google account (if you have more than 1) -> go to "Google Account Security"
http://myaccount.google.com/intro/security/
-> click/touch "Your connections to third-party apps & services" link [or "See all connections" link below] or go to
http://myaccount.google.com/connections
-> "Third-party apps & services" -> for each app/item/service/etc listed on this page disable/turn OFF "Signing in with Google" prompt -> after finished log off/sign out.
If you have more than 1 Gmail/Google acccounts -> repeat steps above for each of them.
CAUTION:
****
That is unless you are aware/know that the app(s)/site(s) you are using to log on/sign in with a 3rd party e-mail/forum/social media account/enrollment/membership provider/service is secure, and that they do not broadcast/forward/give/leak/sell/share your confidential/identifiable/personal/private/privileged data/information to/with other entities.
More info:
http://www.mcafee.com/learn/is-it-safe-to-log-in-with-facebook-or-google/
http://support.google.com/accounts/thread/219332922/
53. Ungoogled Chromium (Chromium fork stripped of Google integration code) version 110/newer,
http://github.com/ungoogled-software/ungoogled-chromium/
Supermium (optimized performance + privacy Chromium fork) version 124/newer
http://www.win32subsystem.live/supermium/
+ a few other Chromium/Chrome derivatives/forks recompiled (portable) binaries
http://chromium.woolyss.com/
allow to turn OFF/disable by hand/manually the unique, personally identifiable, trackable machine ID Google assigns by default to all their web browsers' user profiles on Windows computers/devices, and which can be easily tracked and spied upon for behind your back/forced/disguised/hidden/unauthorized/without your approval/consent/knowledge/permission ad(vertisement)s, deceptive, dubious, for profit, fraudulous, illegal, malicious, marketing, spying, surveillance, tracking purposes.
More info:
http://portapps.io/app/ungoogled-chromium-portable/#modifications
Ungoogled Chromium [Chromium fork stripped of Google ad(ware)/integration/spyware/tracking/surveillance code] 110/newer
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
+ Supermium 124/newer
http://www.win32subsystem.live/supermium/
-> turn OFF/disable machine ID -> go to "Disable machine ID" [Disables use of a generated machine specific ID to lock the user data directory to that specific machine. This is used to enable portable user data directories = ungoogled-chromium flag] [flags setting]:
chrome://flags/#disable-machine-id
-> Disabled -> relaunch/restart your web browser.
More info:
http://github.com/ungoogled-software/ungoogled-chromium/
CAUTION:
****
- NEWer Ungoogled Chromium [+ alternatives/derivatives/forks/variants] web browser versions 124/newer = SAFE (fixed):
Turning OFF your uniquely identifiable machine ID does NOT delete/disable/wipe out anything from your user profile.
- OLDer Ungoogled Chromium [+ alternatives/derivatives/forks/variants] web browser versions 123/older = UNSAFE (flawed):
Turning OFF your uniquely identifiable machine ID deletes/disables/wipes out *ALL* your user profile changes, configurations, customizations, modifications, tweaks, saved/set/tweaked flags, settings, accounts, add-ons, addresses, apps, saved autofill text strings, enrollments, extensions, features, memberships, notifications, services, passcodes, passkeys, saved passwords, subscriptions, etc that depend on it in order to function/operate properly!
54. Install Chromium/Chrome (+ alternatives/derivatives/forks/variants) useful delisted/discontinued/unavailable Extensions from reliable sources other than Chrome Web Store:
- Chrome-Stats:
http://chrome-stats.com/
- Crx4Chrome:
http://www.crx4chrome.com/
How to Install Chromium/Chrome (+ alternatives/derivatives/forks/variants) Extensions by hand/manually step-by-step: Complete Guide:
http://sslinsights.com/how-to-manually-install-chrome-extension/
More info:
http://developer.chrome.com/docs/extensions/how-to/distribute/install-extensions/

CRXLauncher -> install browser extensions from .crx or .zip files in controlled, isolated, secure sandboxed environment with permissions selection transparency:
http://chromewebstore.google.com/detail/kiilhncajadbgbmdbdcopdpnmdhlbdle
55. Turn OFF/block/disable/stop Chromium/Chrome (+ alternatives/derivatives/forks/variants) + notification/sharing/syncing/update apps/extensions/features/functions/gadgets/scripts/tools/widgets from running in the background even after all Chromium/Chrome (+ alternatives/derivatives/forks/variants) web browser dialogs/instances/tabs/windows have been already closed/exited/shutdown:
http://www.gtricks.com/chrome/how-to-stop-google-chrome-from-running-in-the-background-for-good/
http://www.webnots.com/how-to-stop-google-chrome-from-running-in-background/
http://www.technorms.com/22405/silence-chrome-disable-background-apps/
http://www.lifewire.com/stop-apps-4777510/
56. Go to "Recent activity", "Permissions" + "Content":
chrome://settings/content/
-> turn OFF/slide left "Automatically remove permissions from unused sites" ["To protect your data, let Chromium/Chrome remove permissions from sites you haven't visited recently. Doesn't stop notifications."].
57. Go to "Manage search engines and site search":
chrome://settings/searchEngines/
-> scroll down to "Site Search" -> click vertical ellipsis (3 vertical dots) right side of Gemini [https://gemini.google.com/app] (if present) -> click "Deactivate" -> Gemini should appear under "Inactive shortcuts".
More info:
Delete/turn OFF Google Gemini (a.k.a. Genie) A.I. chatbot app search results activity + history:
http://anhome.tech/blog/tech-tips/how-to-turn-off-gemini-google/
http://support.google.com/gemini/answer/13278892/
http://support.google.com/a/answer/14571493/
58. See MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides, Solutions + Tools:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
-> install free essential privacy/safety/security ad-blocker/anti-malware/anti-phone-home/anti-spyware/anti-surveillance/anti-tracking extensions, script(let)s, tools (examples):
http://www.mdgx.com/nettoys.htm#PRV
59. Install TamperMonkey extension:
http://chromewebstore.google.com/detail/tampermonkey/dhdgffkkebhmkfjojejmpbldmpobfkfo
and/OR uBlock Origin (uBO) extension [which supports most custom user (Java)Scripts (JS)/Scriptlets]:
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads (%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved .crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
+ useful privacy/safety/security ad-blocker/anti-malware/anti-phone-home/anti-spyware/anti-surveillance/anti-tracking user JavaScript (JS) scripts/scriplets (examples):
- GreasyFork (Java)Scripts:
http://greasyfork.org/
- OpenUser (Java)Scripts:
http://openuserjs.org/
- GitHub (Java)Scripts:
http://gist.github.com/search?l=JavaScript&o=desc&q=%22%3D%3DUserScript%3D%3D%22&s=updated
- AdGuard Extra (Java)Script:
http://github.com/AdguardTeam/AdGuardExtra/
-> Install (Java)Script:
https://userscripts.adtidy.org/release/adguard-extra/1.0/adguard-extra.user.js
- Google Unlocked (Java)Script:
https://raw.githubusercontent.com/Ibit-to/google-unlocked/master/google-unlocked.user.js
-> Install instructions:
http://github.com/moderntribe/tampermonkey-scripts/
+ TamperMonkey FAQ:
http://www.tampermonkey.net/faq.php#Q102
- Anti-Adblock Killer | Reek (Java)Script:
http://reek.github.io/anti-adblock-killer/
-> Install (Java)Script:
https://raw.githubusercontent.com/reek/anti-adblock-killer/master/anti-adblock-killer.user.js
- AdsBypasser Full Edition (Java)Script:
http://adsbypasser.github.io/
-> Install (Java)Script:
https://adsbypasser.github.io/releases/adsbypasser.full.es7.user.js
Configure AdsBypasser:
http://adsbypasser.github.io/configure.html
- SiteScrubber (Java)Script [multiple file hosting sites cleaner]:
http://greasyfork.org/scripts/426078-sitescrubber/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/426078/SiteScrubber.user.js
- NoMoreRestrict (Java)Script [block annoying restrictions: right-click, text selection, copy, save, etc]:
http://greasyfork.org/scripts/498848-nomorerestrict/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/498848/%F0%9F%9A%ABNoMoreRestrict%F0%9F%9A%AB.user.js
- Block/bypass/remove YouTube Anti-AdBlocker bans, limits, pop-ups, reminders, restrictions + warnings (Java)Script:
http://greasyfork.org/en/scripts/477390-remove-youtube-adblock-warnings/
-> Install (Java)Script:

https://update.greasyfork.org/scripts/477390/Remove%20Youtube%20Adblock%20Warnings%21.user.js
- YouTube Anti-Anti-Adblock (Java)Script [removes annoying anti-AdBlock YouTube pop-ups]:
http://greasyfork.org/scripts/478457-youtube-anti-anti-adblock/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/478457/YouTube%20Anti-Anti-Adblock.user.js
- Google Image Direct Link Patch (Java)Script:
http://greasyfork.org/scripts/26510-google-image-direct-link-patch/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/26510/Google%20Image%20Direct%20Link%20Patch.user.js
Go to TamperMonkey Dashboard/Options local HTML page:
chrome-extension://dhdgffkkebhmkfjojejmpbldmpobfkfo/options.html
-> configure/install/manage/tweak TamperMonkey options/settings + JavaScript (JS) scripts/scriplets.
http://www.tampermonkey.net/faq.php
FYI:
Most custom user (Java)Scripts (JS)/Scriptlets are also supported by uBlock Origin (uBO) extension -> *best* ad(ware), cookies pop-ups, scripting, malware, phishing, pop-ups, spyware, tracking, hijacking, dialers, miners, skimmers, social media, video sites, e-mail blocker/filter/remover:
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads (%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved .crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
uBlock Origin (uBO) Documentation:
http://github.com/gorhill/uBlock/?tab=readme-ov-file/#documentation
uBlock Origin (uBO) Guidelines for Enhanced Privacy, Safety + Security:
- Settings -> Privacy:
http://github.com/gorhill/uBlock/wiki/Dashboard:-Settings#privacy
- Dynamic Filtering -> Reduce privacy exposure:
http://github.com/gorhill/uBlock/wiki/Dynamic-filtering:-to-easily-reduce-privacy-exposure
- Dynamic Filtering -> Block 3rd party Iframe tags:
http://github.com/gorhill/uBlock/wiki/Dynamic-filtering:-Benefits-of-blocking-3rd-party-iframe-tags
Add to uBlock Origin (uBO) -> Filters for blocking mining, pop-ups, resource abuse, embedded URL trackers + anti-adblock bypass -> Install Instructions:
http://github.com/bogachenko/fuckfuckadblock/wiki/Installation-instruction/
Best available examples for this purpose:
- Filters for blocking pop-ups + anti-adblock bypass:
https://raw.githack.com/bogachenko/fuckfuckadblock/master/fuckfuckadblock.txt
- Filters for blocking browser based miners:
https://raw.githack.com/bogachenko/fuckfuckadblock/master/fuckfuckadblock-mining.txt
- Filters for blocking resource abuse:
https://raw.githubusercontent.com/uBlockOrigin/uAssets/master/filters/resource-abuse.txt
- AdGuard DNS filter:
https://adguardteam.github.io/AdGuardSDNSFilter/Filters/filter.txt
- Anti-Adblock Filters List:
http://easylist-downloads.adblockplus.org/antiadblockfilters.txt
- 1Hosts (Lite):
https://github.com/badmojr/1Hosts/releases/download/latest/1hosts-Lite_adblock.txt
- ClearURLs filter for embedded URL trackers:
https://github.com/DandelionSprout/adfilt/raw/master/ClearURLs%20for%20uBo/clear_urls_uboified.txt
- Custom YouTube Filters:
http://www.reddit.com/r/uBlockOrigin/wiki/solutions/youtube/#wiki_anti-adblock
60. In business/education/enterprise/networked/shared environments Chromium/Chrome web browsers [+ alternatives/derivatives/forks/variants, if any]
http://www.mdgx.com/nettoys.htm#CHR
configuration/policy options/preferences/settings and/or flags settings [chrome://flags/] can be changed/(pre)set/updated locally [from the computer/device you are using] or/and remotely [from another computer/server connected to the same cloud/internet/intranet/network, if that is your case] by the business, cloud, enterprise, intranet, network, organization server admin(istrator)/manager/owner/provider/sysadmin or main/principal user(s) [if authorized].
In case any options/preferences/settings have been changed by 1 of the methods detailed further below you will see under "Settings"
chrome://settings/
a message like this 1:
"Your browser is managed by your organization"
In such cases go to "Chromium/Chrome Management"
chrome://management/
-> if that is your case you will see this (or another similar) message:
"Your browser is managed by your organization"
["Your administrator can make changes to your profile and browser remotely, analyse information about the browser through reporting and perform other necessary tasks. Activity on this device may also be managed outside of Chromium/Chrome."]
More info:
http://support.google.com/chrome/answer/9281740/
Managed administrative policy settings are located in the Windows registry -> go to
chrome://policy/
-> view the list of values set in the Windows registry under 1 (or more) of these keys and/or subkeys, depending on the Chromium/Chrome based web browser(s) [+ alternative(s)/derivative(s)/fork(s)/variant(s), if any] you are using or/and have access to (examples):
HKEY_LOCAL_MACHINE\SOFTWARE\Chromium
HKEY_CURRENT_USER\Software\Chromium

HKEY_USERS\.DEFAULT\Software\Chromium
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Chromium
HKEY_CURRENT_USER\Software\Policies\Chromium
HKEY_USERS\.DEFAULT\Software\Policies\Chromium
HKEY_LOCAL_MACHINE\SOFTWARE\Google\Chrome
HKEY_CURRENT_USER\Software\Google\Chrome
HKEY_USERS\.DEFAULT\Software\Google\Chrome
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Google\Chrome
HKEY_CURRENT_USER\Software\Policies\Google\Chrome
HKEY_USERS\.DEFAULT\Software\Policies\Google\Chrome
HKEY_LOCAL_MACHINE\SOFTWARE\BraveSoftware\Brave
HKEY_CURRENT_USER\Software\BraveSoftware\Brave
HKEY_USERS\.DEFAULT\Software\BraveSoftware\Brave
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\BraveSoftware\Brave
HKEY_CURRENT_USER\Software\Policies\BraveSoftware\Brave
HKEY_USERS\.DEFAULT\Software\Policies\BraveSoftware\Brave
HKEY_LOCAL_MACHINE\SOFTWARE\Supermium
HKEY_CURRENT_USER\Software\Supermium
HKEY_USERS\.DEFAULT\Software\Supermium
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Supermium
HKEY_CURRENT_USER\Software\Policies\Supermium
HKEY_USERS\.DEFAULT\Software\Policies\Supermium
HKEY_LOCAL_MACHINE\SOFTWARE\Vivaldi
HKEY_CURRENT_USER\Software\Vivaldi
HKEY_USERS\.DEFAULT\Software\Vivaldi
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Vivaldi
HKEY_CURRENT_USER\Software\Policies\Vivaldi
HKEY_USERS\.DEFAULT\Software\Policies\Vivaldi
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Edge
HKEY_CURRENT_USER\Software\Microsoft\Edge
HKEY_USERS\.DEFAULT\Software\Microsoft\Edge
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Edge
HKEY_CURRENT_USER\Software\Policies\Microsoft\Edge
HKEY_USERS\.DEFAULT\Software\Policies\Microsoft\Edge
HKEY_LOCAL_MACHINE\SOFTWARE\YandexBrowser
HKEY_CURRENT_USER\Software\YandexBrowser
HKEY_USERS\.DEFAULT\Software\YandexBrowser
HKEY_LOCAL_MACHINE\SOFTWARE\Policies\YandexBrowser
HKEY_CURRENT_USER\Software\Policies\YandexBrowser
HKEY_USERS\.DEFAULT\Software\Policies\YandexBrowser
Locally/remotely managed administrative policy settings usually include privacy, safety and/or security configuration features/functions implemented for the purpose of defending, preventing + protecting the operating system(s) and all users from breaches, exposures, flaws, hacking, hijacking, intrusions, invasions, leaks, malware, spyware, trojans, viruses, vulnerabilities, worms, etc.
In case you own/lease the computer/device you are using, and/or are logged on/signed in as Administrator (or SYSTEM, or Trusted Installer) user, you can change/(pre)set/update your web browser(s) registry settings by executing/launching/opening/running/starting registry script files. Most common type has the .reg file extension. Other file types: .adm/.admx (Group Policy Administrative Template), .vbs (Visual Basic Script), etc.
More info:
http://support.google.com/chrome/a/answer/9131254/
http://support.google.com/chrome/a/answer/9024365/
See "GOOGLE CHROME + CHROMIUM EASTER EGGS" in EGGS.TXT (included):
http://www.mdgx.com/egg.htm#GCEGG
Chrome Enterprise: Browser resources:
http://chromeenterprise.google/download/#windows-download
Chrome Enterprise Policies:
http://chromeenterprise.google/policies/
Set Chrome browser policies on managed PCs:
http://support.google.com/chrome/a/answer/187202/
Chrome Enterprise Browser: Policy Examples:
http://github.com/google/ChromeBrowserEnterprise/tree/main/docs/policy_examples/
Chrome Enterprise Browser: Policy Examples [policies.reg]:
http://github.com/google/ChromeBrowserEnterprise/blob/main/docs/policy_examples/policies.reg/
Admin(istrator)s: Chromium Policy Templates:
http://www.chromium.org/administrators/policy-templates/
Chrome Browser quick start (Windows): Set policies:
http://support.google.com/chrome/a/answer/7649838/
Admin(istrator)s: Complex policies on Windows:
http://www.chromium.org/administrators/complex-policies-on-windows/
Chrome Enterprise Bundle:
http://support.google.com/chrome/a/answer/9023663/
Chrome Browser Deployment Guide (Windows):
http://support.google.com/chrome/a/answer/3115278/
Legacy Browser Support (LBS) (integrated) for Windows:
http://support.google.com/chrome/a/answer/9270076/
Legacy Browser Support (LBS) (integrated) for Windows Components:
http://support.google.com/chrome/a/answer/9268614/
Generic example of registry [.reg] file:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain

text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
; Computer/machine/system wide (all users):
[HKEY_LOCAL_MACHINE\SOFTWARE\Chromium]
"UsageStatsInSample"=dword:0
; Current logged on/signed in user only:
[HKEY_CURRENT_USER\Software\Chromium]
"UsageStatsInSample"=dword:0
; All managed/registered users on the same computer/machine/system:
[HKEY_USERS\.DEFAULT\Software\Chromium]
"UsageStatsInSample"=dword:0
;
------End cut & paste here------
```

FYI:
Learn how to use Windows Registry:
- See "Comprehensive Windows Registry Guide" in RegGuide.txt (included):
http://www.mdgx.com/reg.htm
http://www.mdgx.com/RegGuide.pdf
http://www.mdgx.com/RegGuide.txt
- See "BACKUP/EXPORT + RESTORE/IMPORT REGISTRY/REGISTRY KEY(S)" in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=BACKUP%2FEXPORT%20%2B%20RESTORE%2FIMPORT%20REGISTRY%2FREGISTRY%20KEY%28S%29%20%21
61. Relaunch/restart your web browser (if + when/where applicable/needed/required) for all changes to take effect.

@ Firefox/Mozilla web browsers + alternatives/derivatives/forks/variants [*]:
****
http://www.mdgx.com/7.php#:~:text=%40%20Firefox%2FMozilla%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%5D
- MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox + Mozilla web browsers [free(ware)]" section -> "Firefox" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
- MDGx "@ Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSF
- MDGx "Web Browsers Links: Web Browsers, Tools + Tips on the Internet" [mostly free(ware)] in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#NET
- Essential Free Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Add-ons:
http://addons.mozilla.org/firefox/search/?q=ad+privacy+safety
- Wikipedia: List of Free + Recommended Mozilla Firefox (+ alternatives/derivatives/forks/variants) Add-ons:
http://en.wikipedia.org/wiki/List_of_free_and_recommended_Mozilla_WebExtensions
- Wikipedia: Mozilla Firefox (+ alternatives/derivatives/forks/variants) Add-on:
http://en.wikipedia.org/wiki/Add-on_(Mozilla)
Step-by-step Guide:
****
01. Go to:
http://support.mozilla.org/products/firefox/protect-your-privacy/
-> follow guidelines to turn OFF/opt OUT of all ad(vertisement)s, surveillance + tracking.
More info:
http://www.ghacks.net/2015/08/18/a-comprehensive-list-of-firefox-privacy-and-security-settings/
02. In the URL address bar (quantumbar, urlbar) type
about:config
-> press Enter -> follow step-by-step guidelines from
http://kb.mozillazine.org/About:config_entries#Privacy.
and from
http://kb.mozillazine.org/About:config_entries#Security.
-> add/change/delete/disable desired/needed/recommended options/preferences/settings in order to enhance/strengthen your Firefox + alternatives/derivatives/forks/variants (based on Firefox code) web browser(s) privacy, safety + security.
03. Turn OFF (Push) Notifications:
http://support.mozilla.org/kb/push-notifications-firefox/
More info:
http://www.makeuseof.com/tag/disable-notifications-chrome-firefox-safari/
04. Click/touch the 3 horizontal bars menu icon at the top right corner or in the URL address bar (quantumbar, urlbar) type
about:preferences#privacy
-> press Enter -> Options -> Privacy & Security -> Notifications -> Settings -> check "Block new requests asking to allow notifications" box -> Save Changes.
05. Use Firefox [or alternative/derivative/fork/variant based on Firefox code] web browser(s) "Private Browsing" (Incognito Mode) to avoid cookies, (geo)location, personalized/targeted ad(vertisement)s/adware, phone-home, fingerprinting, profiling, surveillance, tracking, banned/blocked/forbidden/limited/restricted areas/content/features, privacy/safety/security exposure/invasion/intrusion, annoyances:
http://support.mozilla.org/kb/private-browsing-use-firefox-without-history/
More info:
http://www.techtimes.com/articles/38718/20150310/
http://www.online-tech-tips.com/computer-tips/12-ways-to-get-past-a-paywall/
Firefox [+ alternatives/derivatives/forks/variants based on Firefox code] web browser(s) -> right-click desired URL/URI address/item/link/scheme/shortcut -> select "Open Link in New Private Window".
06. Disable/turn ØFF Google "A.I. chatbot overviews" + "Ask anything with AI Mode" in Firefox [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/links.htm#AI0GF
07. See MDGx "@ Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Settings, Extensions, Guides, Solutions + Tools:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PSF

-> install free essential privacy/safety/security
ad-blocker/anti-malware/anti-phone-home/anti-spyware/anti-surveillance/anti-tracking add-ons (examples):
http://www.mdgx.com/nettoys.htm#PSF
Essential Free Firefox/TOR Browser/Mercury/Waterfox/Pale Moon/LibreWolf Privacy, Safety + Security Add-ons:
http://addons.mozilla.org/firefox/search/?q=ad+privacy+safety
Wikipedia: List of Free + Recommended Mozilla Firefox (+ alternatives/derivatives/forks/variants) Add-ons:
http://en.wikipedia.org/wiki/List_of_free_and_recommended_Mozilla_WebExtensions
Wikipedia: Mozilla Firefox (+ alternatives/derivatives/forks/variants) Add-on:
http://en.wikipedia.org/wiki/Add-on_(Mozilla)
08. Install TamperMonkey add-on:
http://addons.mozilla.org/firefox/addon/tampermonkey/
OR uBlock Origin (uBO) add-on [which supports most custom user (Java)Scripts (JS)/Scriptlets]:
http://addons.mozilla.org/firefox/addon/ublock-origin/
+ useful privacy/safety/security ad-blocker/anti-malware/anti-phone-home/anti-spyware/anti-surveillance/anti-tracking user
JavaScript (JS) scripts/scriplets (examples):
- GreasyFork (Java)Scripts:
http://greasyfork.org/
- OpenUser (Java)Scripts:
http://openuserjs.org/
- GitHub (Java)Scripts:
http://gist.github.com/search?l=JavaScript&o=desc&q=%22%3D%3DUserScript%3D%3D%22&s=updated
- AdGuard Extra (Java)Script:
http://github.com/AdguardTeam/AdGuardExtra/
-> Install (Java)Script:
https://userscripts.adtidy.org/release/adguard-extra/1.0/adguard-extra.user.js
- Google Unlocked (Java)Script:
https://raw.githubusercontent.com/Ibit-to/google-unlocked/master/google-unlocked.user.js
-> Install instructions:
http://github.com/moderntribe/tampermonkey-scripts/
+ TamperMonkey FAQ:
http://www.tampermonkey.net/faq.php#Q102
- Anti-Adblock Killer | Reek (Java)Script:
http://reek.github.io/anti-adblock-killer/
-> Install (Java)Script:
https://raw.githubusercontent.com/reek/anti-adblock-killer/master/anti-adblock-killer.user.js
- AdsBypasser Full Edition (Java)Script:
http://adsbypasser.github.io/
-> Install (Java)Script:
https://adsbypasser.github.io/releases/adsbypasser.full.es7.user.js
Configure AdsBypasser:
http://adsbypasser.github.io/configure.html
- SiteScrubber (Java)Script [multiple file hosting sites cleaner]:
http://greasyfork.org/scripts/426078-sitescrubber/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/426078/SiteScrubber.user.js
- NoMoreRestrict (Java)Script [block annoying restrictions: right-click, text selection, copy, save, etc]:
http://greasyfork.org/scripts/498848-nomorerestrict/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/498848/%F0%9F%9A%ABNoMoreRestrict%F0%9F%9A%AB.user.js
- Block/bypass/remove YouTube Anti-AdBlocker bans, limits, pop-ups, reminders, restrictions + warnings (Java)Script:
http://greasyfork.org/en/scripts/477390-remove-youtube-adblock-warnings/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/477390/Remove%20Youtube%20Adblock%20Warnings%21.user.js
- YouTube Anti-Anti-Adblock (Java)Script [removes annoying anti-AdBlock YouTube pop-ups]:
http://greasyfork.org/scripts/478457-youtube-anti-anti-adblock/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/478457/YouTube%20Anti-Anti-Adblock.user.js
- Google Image Direct Link Patch (Java)Script:
http://greasyfork.org/scripts/26510-google-image-direct-link-patch/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/26510/Google%20Image%20Direct%20Link%20Patch.user.js
Go to TamperMonkey Dashboard/Options local HTML page -> configure/install/manage/tweak TamperMonkey options/settings +
JavaScript (JS) scripts/scriplets.
http://www.tampermonkey.net/faq.php
FYI:
Most custom user (Java)Scripts (JS)/Scriptlets are also supported by uBlock Origin (uBO) add-on:
http://addons.mozilla.org/firefox/addon/ublock-origin/
-> *best* ad(ware), cookies pop-ups, scripting, malware, phishing, pop-ups, spyware, tracking, hijacking, dialers, miners,
skimmers, social media, video sites, e-mail blocker/filter/remover:
http://www.cloudwards.net/best-pop-up-blockers/
uBlock Origin (uBO) Documentation:
http://github.com/gorhill/uBlock/?tab=readme-ov-file/#documentation
uBlock Origin (uBO) Guidelines for Enhanced Privacy, Safety + Security:
- Settings -> Privacy:
http://github.com/gorhill/uBlock/wiki/Dashboard:-Settings#privacy
- Dynamic Filtering -> Reduce privacy exposure:
http://github.com/gorhill/uBlock/wiki/Dynamic-filtering:-to-easily-reduce-privacy-exposure
- Dynamic Filtering -> Block 3rd party Iframe tags:
http://github.com/gorhill/uBlock/wiki/Dynamic-filtering:-Benefits-of-blocking-3rd-party-iframe-tags
Add to uBlock Origin (uBO) -> Filters for blocking mining, pop-ups, resource abuse, embedded URL trackers + anti-adblock
bypass -> Install Instructions:
http://github.com/bogachenko/fuckfuckadblock/wiki/Installation-instruction/

Examples:
- Filters for blocking pop-ups + anti-adblock bypass:
https://raw.githack.com/bogachenko/fuckfuckadblock/master/fuckfuckadblock.txt
- Filters for blocking browser based miners:
https://raw.githack.com/bogachenko/fuckfuckadblock/master/fuckfuckadblock-mining.txt
- Filters for blocking resource abuse:
https://raw.githubusercontent.com/uBlockOrigin/uAssets/master/filters/resource-abuse.txt
- AdGuard DNS filter:
https://adguardteam.github.io/AdGuardSDNSFilter/Filters/filter.txt
- 1Hosts (Lite):
https://github.com/badmojr/1Hosts/releases/download/latest/1hosts-Lite_adblock.txt
- ClearURLs filter for embedded URL trackers:
https://github.com/DandelionSprout/adfilt/raw/master/ClearURLs%20for%20uBo/clear_urls_uboified.txt
09. Adapt/change/optimize/tweak + apply:
- Betterfox user.js file with about:config Firefox tweaks for enhanced performance + speed:
http://github.com/yokoffing/Betterfox/
Betterfox user.js:
https://raw.githubusercontent.com/yokoffing/Betterfox/main/user.js
https://github.com/yokoffing/Betterfox/blob/main/user.js
- Firefox about:config arkenfox user.js configuration template for enhanced/improved privacy, safety + security:
http://github.com/arkenfox/user.js/
Firefox arkenfox user.js GUI:
http://arkenfox.github.io/gui/
Firefox arkenfox user.js Wiki:
http://github.com/arkenfox/user.js/wiki/
- Firefox about:config entries:
http://kb.mozillazine.org/About:config_entries
10. Relaunch/restart your web browser (if + when/where applicable/needed) for all changes to take effect.

@ Edge web browsers:
****
See MDGx "On The Edge of A Hostile Takeover = Uninstall + Replace Edge While You Still Can" chapter in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
BEWARE:
****
Edge web browsers collect, spy, surveil, track + send logged on/signed in customers/members/subscribers/users' unique SID (Security IDentifier) + web browser history [URLs (Uniform Resource Locator) = IPs, web addresses] biometrics/data/fingerprint/information/stats, confidential/identifiable/personal/private/privileged preferences, user choices/options/preferences/profile data/settings, to Microsoft + Microsoft 3rd party/affiliated/associated/leased/(sub)contracted/partner/subsidiary cloud/network/internet/remote domains/servers/sites behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/unwanted/without your approval/authorization/consent/knowledge/permission:
http://www.pcmag.com/news/researcher-finds-microsoft-edge-stored-passwords-load-in-plaintext/
http://ieeexplore.ieee.org/document/9374407/
http://winbuzzer.com/2019/07/23/users-raise-privacy-concerns-as-edge-browser-caught-sending-full-urls-and-sid-to-microsoft-xcxwbn/
http://www.scss.tcd.ie/Doug.Leith/pubs/browser_privacy.pdf
http://www.slashgear.com/7-reasons-to-stop-using-microsoft-edge-03701116/
http://www.whatismyip.com/best-browser-for-privacy/
http://www.zdnet.com/article/a-professor-says-edge-is-the-worst-for-privacy-microsoft-isnt-happy/
http://www.laptopmag.com/news/edge-fails-browser-security-rankings-but-microsoft-isnt-buying-it/
http://www.propublica.org/article/microsoft-tech-support-government-cybersecurity-china-doj-treasury/
http://www.theregister.com/2025/07/28/windows_11_is_a_minefield/
STRONGLY RECOMMENDED:
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Chromium/Chrome Extensions from Chrome Web Store should work with all Microsoft Edge releases based on Chromium code, according to Microsoft:
http://support.microsoft.com/microsoft-edge/add-turn-off-or-remove-extensions-in-microsoft-edge-9c0ec68c-2fbc-2f2c-9ff0-bdc76f46b026
In case you decide to keep + use Edge (for whatever reason, personal preference, or being forced or required due to certain business, contract, employer, enrollment, job, licensing, membership, partnership, proprietary software, services, etc constraints, limitations, requirements, etc) the *least* you can do in order to enhance/improve your privacy, safety + security, and to block/disable/minimize/reduce/stop/turn OFF undesirable/unnecessary/unneeded/unused/useless/unwanted ad(vertising)/adware, auditing, fingerprinting, profiling, spying, surveillance, tracking, "offers"/promo(tion)s behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission compromising/dangerous/dubious/harmful/insecure/malicious/unsafe environment is to install uBlock Origin (uBO) [free, open source add-on/extension for all Chromium based Edge web browsers]
http://microsoftedge.microsoft.com/addons/detail/odfafepnkmbhccpbejgmiehpchacaeak/
-> *best* ad(ware), scripting, malware, phishing, pop-ups, spyware, tracking, hijacking, dialers, miners, skimmers, social media, video sites, e-mail blocker/filter/remover,
http://www.cloudwards.net/best-pop-up-blockers/
OR uBlock Origin Lite (uBOL) [MV3 compliant crippled uBO replacement :-(].
http://microsoftedge.microsoft.com/addons/detail/cimighlppcgcoapaliogpjjdehbnofhn/
More info:
http://www.pcmag.com/news/google-to-start-disabling-ublock-origin-older-chrome-extensions-on-june/
http://www.techradar.com/pro/how-chromes-manifest-v3-will-change-the-game-for-ad-blockers/
uBlock Origin (uBO):
http://github.com/gorhill/uBlock/
uBlock Origin (uBO) releases:
http://github.com/gorhill/uBlock/releases/latest/
uBlock Origin (uBO) Documentation:
http://github.com/gorhill/uBlock/?tab=readme-ov-file/#documentation

Add to uBlock Origin (uBO) -> Filters for blocking mining, pop-ups, resource abuse, embedded URL trackers + anti-adblock bypass -> Install Instructions:
http://github.com/bogachenko/fuckfuckadblock/wiki/Installation-instruction/
Examples:
- Filters for blocking pop-ups + anti-adblock bypass:
https://raw.githack.com/bogachenko/fuckfuckadblock/master/fuckfuckadblock.txt
- Filters for blocking browser based miners:
https://raw.githack.com/bogachenko/fuckfuckadblock/master/fuckfuckadblock-mining.txt
- Filters for blocking resource abuse:
https://raw.githubusercontent.com/uBlockOrigin/uAssets/master/filters/resource-abuse.txt
- AdGuard DNS filter:
https://adguardteam.github.io/AdGuardSDNSFilter/Filters/filter.txt
- 1Hosts (Lite):
https://github.com/badmojr/1Hosts/releases/download/latest/1hosts-Lite_adblock.txt
- ClearURLs filter for embedded URL trackers:
https://github.com/DandelionSprout/adfilt/raw/master/ClearURLs%20for%20uBo/clear_urls_uboified.txt
Install TamperMonkey add-on/extension:
http://microsoftedge.microsoft.com/addons/detail/iikmkjmpaadaobahmlepeloendndfphd/
+ useful privacy/safety/security ad-blocker/anti-malware/anti-phone-home/anti-spyware/anti-surveillance/anti-tracking user JavaScript (JS) scripts/scriplets (examples):
- AdGuard Extra (Java)Script:
http://github.com/AdguardTeam/AdGuardExtra/
-> Install (Java)Script:
https://userscripts.adtidy.org/release/adguard-extra/1.0/adguard-extra.user.js
- Google Unlocked (Java)Script:
https://raw.githubusercontent.com/Ibit-to/google-unlocked/master/google-unlocked.user.js
- Anti-Adblock Killer | Reek (Java)Script:
http://reek.github.io/anti-adblock-killer/
-> Install (Java)Script:
https://raw.githubusercontent.com/reek/anti-adblock-killer/master/anti-adblock-killer.user.js
- AdsBypasser Full Edition (Java)Script:
http://adsbypasser.github.io/
-> Install (Java)Script:
https://adsbypasser.github.io/releases/adsbypasser.full.es7.user.js
Configure AdsBypasser:
http://adsbypasser.github.io/configure.html
- SiteScrubber (Java)Script [multiple file hosting sites cleaner]:
http://greasyfork.org/scripts/426078-sitescrubber/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/426078/SiteScrubber.user.js
- NoMoreRestrict (Java)Script [block annoying restrictions: right-click, text selection, copy, save, etc]:
http://greasyfork.org/scripts/498848-nomorerestrict/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/498848/%F0%9F%9A%ABNoMoreRestrict%F0%9F%9A%AB.user.js
- Block/bypass/remove YouTube Anti-AdBlocker bans, limits, pop-ups, reminders, restrictions + warnings (Java)Script:
http://greasyfork.org/en/scripts/477390-remove-youtube-adblock-warnings/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/477390/Remove%20Youtube%20Adblock%20Warnings%21.user.js
- YouTube Anti-Anti-Adblock (Java)Script [removes annoying anti-AdBlock YouTube pop-ups]:
http://greasyfork.org/scripts/478457-youtube-anti-anti-adblock/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/478457/YouTube%20Anti-Anti-Adblock.user.js
- Google Image Direct Link Patch (Java)Script:
http://greasyfork.org/scripts/26510-google-image-direct-link-patch/
-> Install (Java)Script:
https://update.greasyfork.org/scripts/26510/Google%20Image%20Direct%20Link%20Patch.user.js
FYI:
Most custom user (Java)Scripts (JS)/Scriptlets are also supported by uBlock Origin (uBO) add-on/extension:
http://microsoftedge.microsoft.com/addons/detail/odfafepnkmbhccpbejgmiehpchacaeak/
Useful privacy, safety + security Chromium based Edge Add-ons/Extensions:
- Ad(ware) Blockers:
http://microsoftedge.microsoft.com/addons/search/blocker/
- Anti-Malware:
http://microsoftedge.microsoft.com/addons/search/malware/
- Privacy:
http://microsoftedge.microsoft.com/addons/search/privacy/
- Protection:
http://microsoftedge.microsoft.com/addons/search/protection/
- Safety:
http://microsoftedge.microsoft.com/addons/search/safety/
- Security:
http://microsoftedge.microsoft.com/addons/search/security/

@ Internet Explorer (IE) web browser [DISCONTINUED from Windows 10/2016/2019 + NEWer builds/editions/releases/updates!]:
****
Microsoft finally DISCONTINUED primitive, obsolete, vulnerable, flawed, insecure Internet Explorer (IE) + replaced it with [+ crippled/disabled/impaired/limited/locked/unavailable basic/important/optional features/options/settings + added forced/hard to disable/(almost) impossible to get rid of unneeded/unwanted Microsoft anti-competitive/centered/exclusive apps, features, services, subscriptions + ad(ware)/spyware/surveillance/tracking] heavily modified Google Chromium (Canary developer channel) based Edge proprietary web browser in all Windows 10/newer releases!
R.I.P. Internet Explorer... :-)
http://www.cnn.com/2022/06/18/asia/internet-explorer-gravestone-viral-south-korea-intl-hnk/

STRONGLY RECOMMENDED:
****
Therefore you should replace Internet Explorer (IE) as your default web browser with a better, modern, secure web browser.
Recommended independent/3rd party free, open source, safe, secure, uncrippled, unlocked, unrestricted, modern web browsers (examples):
http://www.mdgx.com/nettoys.htm#NET
MDGx "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome web browsers [free(ware)]" section -> "Chromium + Chrome" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Or if you prefer a Firefox based web browser -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
Firefox enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PSF
RECOMMENDED:
- Chromium Precompiled EXEcutable [Installer EXE + Portable Archives ZIP/7z] 32-bit + 64-bit for Windows XP/newer 32-bit (x86) + 64-bit (x64):
http://chromium.woolyss.com/
Degoogled/Ungoogled/stripped of Google ad(ware)/integration/spyware/surveillance/tracking code Chromium builds [clearly labeled]:
http://github.com/ungoogled-software/ungoogled-chromium/blob/master/README.md
http://ungoogled-software.github.io/ungoogled-chromium-wiki/faq
Ungoogled Chromium precompiled binaries 32-bit + 64-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) [75-125 MB, Installer ONLY EXE + Portable ZIP, NEWest at the top]:
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
Ungoogled Chromium 64-bit for Windows 7/newer 64-bit (x64):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/64bit/
Ungoogled Chromium 32-bit for Windows 7/newer 32-bit (x86):
http://ungoogled-software.github.io/ungoogled-chromium-binaries/releases/windows/32bit/
Install + Configure Ungoogled Chromium:
http://avoidthehack.com/how-to-install-configure-ungoogled-chromium/
- Brave 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with improved privacy, safety + security and optimized speed:
http://brave.com/
Brave Repository:
http://github.com/brave/brave-browser/
Download [ZIP = full, Portable]:
http://github.com/brave/brave-browser/releases/latest/
- Vivaldi 32-bit + 64-bit web browser for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] with enhanced privacy, safety + security:
http://vivaldi.com/
Download [EXE = Installer ONLY]:
http://vivaldi.com/download/
Vivaldi Portable -> run Installer EXE -> Install standalone:
http://help.vivaldi.com/desktop/install-update/standalone-version-of-vivaldi/
- Thorium 32-bit + 64-bit web browsers for Windows 7/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] hardware 3D, rendering + video playback optimized:
http://thorium.rocks/
Download [ZIP = full, Portable]:
Thorium AVX2 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium AVX 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium SS3 64-bit for Windows 10/newer 64-bit (x64):
http://github.com/Alex313031/Thorium-SSE3/releases/latest/
Thorium SSE2 (Win32) 32-bit edition for Windows 7/newer 32-bit (x86) + Thorium SSE3, SSE4, AVX + AVX2 64-bit editions for Windows 7/newer 64-bit (x64):
http://github.com/Alex313031/thorium-legacy/releases/latest/
Thorium Requirements:
- Multicore CPU: minimum Intel Core 2nd gen or AMD FX with built-in SSE4 (Streaming SIMD Extensions 4),
http://en.wikipedia.org/wiki/SSE4
AVX (Advanced Vector EXtensions)
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions
+ AES (Advanced Encryption Standard)
http://en.wikipedia.org/wiki/Advanced_Encryption_Standard
enhancements/multimedia extensions/instructions.
- Graphics video controller with 3D rendering + OpenGL capabilities.
Required Windows 7 64-bit (x64) Updates for Thorium 64-bit web browser enhanced hardware + software compatibility/support:
http://thorium.rocks/win7
- Windows 7 SP1/2008 R2 64-bit (x64) Servicing Stack Update 2019 KB4490628:
http://support.microsoft.com/kb/4490628/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4490628+x64
- Windows 7 SP1/2008 R2 64-bit (x64) SHA-2 Code Signing Support Update 2019 KB4474419:
http://support.microsoft.com/kb/4474419/
Download:
http://catalog.update.microsoft.com/search.aspx?q=4474419+x64
- Supermium 32-bit + 64-bit web browsers for Windows XP/newer 32-bit (x86) + 64-bit (x64) based on Chromium code [fork] optimized for performance + privacy:
http://www.win32subsystem.live/supermium/
Download [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D

http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
- X-Chromium (X-Launcher) Portable launcher:
http://www.winpenpack.com/en/download.php?view.1082
Download [EXE = Installer, full]:
http://sourceforge.net/projects/winpenpack/files/X-Chromium/releases/
Either install Chromium precompiled stable releases 32-bit or 64-bit:
http://chromium.woolyss.com/
or extract all files from portable archive [zip or 7z] + copy to the destination of your choice Chromium portable stable releases 32-bit or 64-bit to match the Windows NTx [7/newer] operating system(s) [OS(es)] build/edition/release/update/version + bit strength [32-bit (x86) or 64-bit (x64)] you are using.
All Chromium + Chrome alternatives/derivatives/forks/variants users must have these 3 environment variables:
GOOGLE_API_KEY=NO
GOOGLE_DEFAULT_CLIENT_ID=NO
GOOGLE_DEFAULT_CLIENT_SECRET=NO
Right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
SETX.EXE GOOGLE_API_KEY "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_ID "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_SECRET "NO" /M
Google API Keys:
http://chromium.woolyss.com/#google-api-keys
http://www.chromium.org/developers/how-tos/api-keys/
MDGx "@ Chromium/Chrome/Brave/X-Chromium/Thorium/Vivaldi/Supermium Privacy, Safety + Security Settings, Extensions, Guides + Solutions:" topic in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#PRV
MDGx collection of essential + useful Chromium/Chrome extensions + tweaks -> "CHROMIUM" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php#:~:text=CHROMIUM%2FCHROME%20%5B%2A%5D
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
But just in case you need/are constrained/forced to keep Internet Explorer (IE) for various reasons, for example compatibility/requirements with older/proprietary software programs/scripts/documents/services (Microsoft Windows Server, Office, Outlook, Live, Active Directory, Exchange, etc), obsolete web pages/sites and/or e-mail providers/servers using obsolete/older server software/scripts, then you can improve and secure a little more the way Internet Explorer (IE) web browser performs by following the tips listed here.
See MDGx "Internet Explorer (IE) 4/5/6/7/8/9/10/11 Essential FREE Fixes + Updates" chapter in SOFTWARE.TXT (included):
http://www.mdgx.com/ietoy.htm
R.I.P. Internet Explorer... :-)
http://www.cnn.com/2022/06/18/asia/internet-explorer-gravestone-viral-south-korea-intl-hnk/
RECOMMENDED:
****
Install an independent/3rd party free, open source, safe, secure, uncrippled, unlocked, unrestricted, modern web browser based on Chromium code with enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PRV
-> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
Or if you prefer a Firefox based web browser -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ
Firefox enhanced privacy, safety + security
http://www.mdgx.com/nettoys.htm#PSF
1. Go to:
http://choice.microsoft.com/opt-out
2. Turn OFF all ads:
- Personalized ads in this browser.
- Personalized ads wherever I use my Microsoft account.
3. Go to:
http://www.aboutads.info/choices/
4. UNcheck all boxes:
- "All Participating Companies".
- "Companies Customizing Ads For Your Browser".
5. Internet Explorer (IE) 9/10/11 "Block Tracking" (Geolocation Detection) + "Automatic (Forced) Upgrade":
http://unlockforus.blogspot.com/2012/09/do-not-allow-websites-to-get-your.html
http://support.microsoft.com/kb/2843950/
http://www.eightforums.com/tutorials/7996-internet-explorer-10-auto-update-enable-disable.html
http://www.itninja.com/question/ie10-turn-off-auto-updates/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Geolocation]
"BlockAllWebsites"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Geolocation]
"BlockAllWebsites"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Main]
"EnableAutoUpgrade"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Main]
```

"EnableAutoUpgrade"=dword:0
;
------End cut & paste here------
6. Turn OFF primitive/obsolete Internet Explorer (IE) Security Check:
http://www.windows-security.org/65c2e8edd3108cdb6fc985493bb2fa38/turn-off-the-security-settings-check-feature/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Security]
"DisableSecuritySettingsCheck"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Internet Explorer\Security]
"DisableSecuritySettingsCheck"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Internet Explorer\Security]
"DisableSecuritySettingsCheck"=dword:1
;
------End cut & paste here------
7. Manage cookies in Internet Explorer (IE):
http://www.whatismybrowser.com/guides/clear-cache-history-cookies/internet-explorer
http://kb.wisc.edu/helpdesk/page.php?id=15141
http://support.microsoft.com/en-us/search?query=cookies%20in%20internet%20explorer
More info @ MDGx "Internet Explorer (IE) 11.0" section in SOFTWARE.TXT (included):
http://www.mdgx.com/ietoy.htm#IE11
Open E10BLOK.CMD (included) in Notepad for details:
http://www.mdgx.com/10BLK/E10BLOK.CMD.TXT
8. Install AdBlock Plus (ABP) for Internet Explorer (IE) (free, open source):
http://adblockplus.org/en/internet-explorer
9. Relaunch/restart your web browser (if + when/where needed) for all changes to take effect.
RECOMMENDED:
WINDOWS7.TXT (this file) contains more guides + tips on how to improve your life while still using Internet Explorer (IE) -> please see respective topics (clearly marked).

* Turn OFF/Disable/Opt OUT of/Stop for Profit Web Sites + Social Media Invading Your Privacy + Enhance Safety + Security:
****
There are plenty of free choices/methods/options/settings available to turn OFF/block/disable/opt OUT of/stop automatic/unattended behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission dangerous/dubious/harmful/insecure/malicious/unsafe, undesirable/unnecessary/unneeded/unused/useless/unwanted, intrusions, invasion of privacy, fingerprinting, profiling, spying, surveillance, tracking compromising your safety + security (even if hidden, little known, and/or not obviously/properly advertised/allowed/disclosed/established/legal/placed/set) designed/(pre)installed/set up by most for profit ad(vertisement) businesses, entities, web sites, social media, search engines, surveillance industry, and their associated, contracted, (co)owned, operated, related, shared 3rd party/affiliates/associates/branches/brands/companies/divisions/entities/parents/partners/subsidiaries who lure/push/recommend/tempt you with accounts, alerts, apps, banners, cookies, e-mails, enrollments, feeds, memberships, messages, notifications, pop-ups, promo(tion)s, reminders, subscriptions, crippled/time limited trials, updates, widgets, etc, who distribute, disseminate, share and sell (even against your will, behind your back, and unauthorized/without your approval/consent/knowledge/permission) your confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats to others like them, only to sell you more stuff [which does not constitute requirement, necessity, you may not need, do not want, or can live without], and who constantly attempt to persuade you by using deceptive, dubious, false, fraudulous, harmful, illegal, malicious means, methods, false pretenses, strategies to spend money [you cannot afford, are needed for other, more important purposes, and/or do not have (access to)], or on [high interest, especially when compounded over longer periods of time] credit/loan/scheduled time deferred/delayed/periodic payment plans/schedules, because as everybody knows, credit is not cash... :-(
http://www.goodreads.com/quotes/25775/
http://www.youtube.com/watch?v=6ieKUvEiVR8&t=679s
Doing so will enhance/improve/maintain/preserve/repair/restore (a certain degree/level of) privacy, safety and security on the internet/online and in the digital world, and most importantly will allow you and your computing/connected/digital/online + real every day environment(s), persona(s) + live(s) to remain/stay safe as much as possible from breaches, hacking, intrusions, invasion, malware, phishing, spyware, (geo)tracking, confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/profile/stats attacks, auditing, beacons, break-ins, broadcast, dissemination, fingerprinting, hacking, leaking, phishing, profiling, spoofing, stealing, etc.
Here are a few things you can do to get rid of them effortlessly in a nick of time, and they're all free... ;-/

@ WWW (World Wide Web) Search Engines with Best Anonymity, Privacy, Safety + Security:
****
- Privacy Tools: Best Private Web Search Engines:
http://www.privacytools.io/private-search/
- Panda Security: Best Private Search Engines: Where to Search Without Being Tracked:
http://www.pandasecurity.com/en/mediacenter/security/best-private-search-enginges/
- Software Testing Help (STH): Best Private Search Engines: Secure Anonymous Search:
http://www.softwaretestinghelp.com/best-private-search-engines/
- MDGx Search Engines, Privacy + Net Tools:
http://www.mdgx.com/links.htm
- MDGx "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:

http://www.mdgx.com/nettoys.htm#PSSGS
- MDGx "FTP (File Transfer Protocol) Search Engines":
http://www.mdgx.com/links.htm#FSE
- MDGx "Anonymous + Faster Surfing":
http://www.mdgx.com/links.htm#ANO
- MDGx "Human Rights, Equality, Privacy + Fairness" [Sites Who Fight for Your Rights]:
http://www.mdgx.com/links.htm#HRC
- All these WWW (World Wide Web) search engines, some of whom have by default/preconfigured/preinstalled/out-of-the-box enhanced anonymity/pseudonymity, privacy, safety + security features/functions/properties/protocols -> see below:
"@ Google search + (geo)location tracking, data, history, e-mail (Gmail), notifications + apps:"
"@ Degoog Metasearch Aggregator with Enhaced Privacy:"
"@ YouTube (YT) [clips, shorts, videos hosted, owned, controlled + operated by Google]:"
"@ Bing Search, Live, Microsoft, MSN + Related/Shared Accounts, Services + Apps [owned by Microsoft]:"
"@ Yahoo! (Y!) Search, Yahoo! Mail + Yahoo! News:"
"@ DuckDuckGo (DDG) Search, Privacy Essentials + E-mail Protection:"
"@ SearXNG Metasearch Aggregator Network:"
"@ Startpage Search + Privacy Protection Add-on + Extension:"
"@ Brave Search:"
"@ Qwant Search:"
"@ Ecosia Search:"
"@ MDGx 100+ Search Engines [most have enhanced privacy, safety + security]:"

@ Google search + (geo)location tracking, data, history, e-mail (Gmail), notifications + apps:
****
http://www.mdgx.com/7.php#:~:text=%40%20Google%20search%20%2B%20%28geo%29location%20tracking
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [E]:
http://tosdr.org/en/service/217
WARNING:
****
You are required to already have, or open a (new) Android, YouTube, Gmail (Google mail), Chrome or Google related [messaging, web browser(s), online apps, chat rooms, (social) media, forums, (web) sites, software, tools, games, enrollments, feeds, memberships, notifications, services, subscriptions] account, and be already logged on/signed in for you to be allowed to block/change/clear/delete/disable/remove/turn OFF + configure/keep/set most all Android, YouTube, Gmail, Chrome [+ Chromium based alternatives/derivatives/forks/variants], Google related user activity, history, privacy, safety, search, security choices/configuration/options/preferences/settings.
- Log on/sign in into your Gmail (Google mail) [e-mail] account -> go to
http://one.google.com/dwr/setup_profile
so you can run a scan to see if your Gmail address(es) [+ eventually your password(s) and/or any confidential/personal/private data/information] is/are on the dark web [which means your account(s) may have been hacked] -> click/touch "Run scan" button at the bottom of the web page -> wait a few seconds for next results page to appear -> in case you see something like "Your info was found on the dark web" -> click/touch "View all results" button -> for every item (if more than 1) follow appropriate/necessary guidelines/procedures or/and contact respective party/parties, depending on your account/affiliation/e-mail/enrollment/membership/service/subscription/etc contractor(s)/distributor(s)/owner(s)/provider(s), in order to change/delete/fix/remove/repair/upgrade/etc any compromised/disclosed/hacked/leaked/stolen confidential/personal/private data/information (if any).
- Log on/sign in into your Android/Chrome/Gmail/Google/YouTube account(s) (if more than 1) with a passkey (biometrics, PIN) instead of a password,
http://support.google.com/accounts/answer/13548313/
and if available/possible activate/enable/subscribe to a multi factor authentication [MFA], or at least a two (2) factor authentication [2FA, TFA] app/provider/service, or turn on Gmail/Google two (2) step verification method.
http://support.google.com/accounts/answer/185839/
http://en.wikipedia.org/wiki/Multi-factor_authentication
http://en.wikipedia.org/wiki/Help:Two-factor_authentication
- Turn OFF/block/disable/stop *all* Gmail (Google mail), Google (Alphabet), YouTube associated, contracted, (co)owned, operated, related, shared 3rd party/affiliates/associates/branches/brands/companies/divisions/entities/parents/partners/subsidiaries account(s), add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, products, programs, promo(tion)s, reminders, services, (web) sites, (social) media, software, subscriptions, widgets, etc (if any) Data & Privacy options/preferences/settings that allow/enable/permit Google and Google associated entities to access, fingerprint, follow, identify, keep, log, profile, record, store, surveil, spy on, track, use directly/indirectly for advertisement/marketing/monetization/profit/profiling/promotion/sales/surveillance/spying/tracking your confidential/identifiable/personal/private/privileged/unique activity, biometrics, data, fingerprints, (geo)location, history, information, profiles, sharing, stats, tracks, trails, whereabouts without concern/respect/regard for customers/users' confidential/personal privacy, safety or security, unless imposed/mandated/required by specific laws, norms, regulations and/or rules, and only if/how/where/when applicable and/or enforceable:
http://myaccount.google.com/data-and-privacy
http://myactivity.google.com/activitycontrols
http://myactivity.google.com/more-activity
http://myactivity.google.com/activitycontrols/webandapp
http://myactivity.google.com/personalization/settings/waa
http://myaccount.google.com/yourdata/search
http://adssettings.google.com/partnerads
http://www.youronlinechoices.com/uk/your-ad-choices/
http://myactivity.google.com/product/news/controls/
http://news.google.com/settings
- Turn OFF Gemini A.I. in Gmail (Google mail):
http://mashable.com/article/how-to-turn-off-gemini-gmail-google/
http://www.cnet.com/tech/services-and-software/how-to-get-rid-of-gemini-in-gmail/
http://www.androidauthority.com/turn-off-gemini-ai-gmail-3528662/
http://support.google.com/gemini/thread/310709414/?&msgid=311420648
http://support.google.com/mail/thread/319012159/?&msgid=319051557

- Turn OFF Gmail (Google mail) Smart Features & Controls [UNless you need/prefer/require them]:
http://support.google.com/mail/answer/10079371/
Log on/sign in into your Gmail acccount [1 at a time if more than 1]
http://mail.google.com/
-> click/touch "Settings" gear button/icon/logo/symbol -> click/touch "See all settings" button/link -> "General" tab -> scroll down to "Smart features:" menu -> UNcheck "Turn on smart features in Gmail, Chat and Meet" ["When you turn this setting on you agree to let Gmail, Chat and Meet use your content and activity in these products to provide smart features and personalize your experience"] box -> scroll all the way to the bottom -> click/touch "Save Changes" button.
More info:
- Defensive Computing Checklist: Google:
http://defensivecomputingchecklist.com/google.php
- Defensive Computing Checklist: Gmail:
http://defensivecomputingchecklist.com/gmail.php
- Remove personal information from Google:
http://support.google.com/websearch/thread/182504436/
- Remove your personal information from Google Search:
http://support.google.com/websearch/troubleshooter/3111061/
- Remove select personally identifiable info (PII) or doxxing content from Google Search:
http://support.google.com/websearch/answer/9673730/
- Remove images of minors from Google search results:
http://support.google.com/websearch/answer/10949130/
- Request to remove your personal information on Google:
http://support.google.com/websearch/troubleshooter/9685456/
- Remove personal info, personally identifiable info (PII) + content from Google search engine + apps:
http://support.google.com/search?q=remove+personally+identifiable+info+doxxing+content+from+google
- Stop Google from tracking and storing your locations:
http://www.techrepublic.com/article/how-to-stop-google-from-tracking-and-storing-your-locations/
- Turn OFF ad tracking in Google, Bing + Yahoo!:
http://www.searchenginewatch.com/2017/03/09/how-to-turn-off-ad-tracking-in-google-bing-and-yahoo/
- Disable Web Push Notifications in Google Chrome:
http://www.pushassist.com/knowledgebase/how-to-disable-web-push-notifications-in-google-chrome/
- Force Google to automatically delete the information it saves about what you do online:
http://www.cnbc.com/2019/05/08/how-to-stop-google-from-tracking-web-history.html
- Google knows everywhere you go, stop it from tracking you + delete the logs:
http://www.cnbc.com/2019/04/25/how-to-stop-google-from-storing-your-location-history.html
- Google collects information about many things you do online, stop it from tracking you:
http://www.cnbc.com/2019/05/01/how-to-stop-google-from-collecting-your-private-information.html
- Google Sees Everything You Do: Stop That:
http://www.lifewire.com/stop-google-4123866/
- Engadget: From its start Gmail conditioned us to trade privacy for free services:
http://www.engadget.com/from-its-start-gmail-conditioned-us-to-trade-privacy-for-free-services-120009741.html
- OpenPGP: Encrypt Your E-mail using PGP (Pretty Good Privacy):
http://www.openpgp.org/software/
- Report malicious software web sites:
http://safebrowsing.google.com/safebrowsing/report_badware/
- Report Phishing and Malware:
http://www.decentsecurity.com/malware-web-and-phishing-investigation/
- Gmail Confidential Mode: Send + open confidential e-mails + attachments:
http://support.google.com/mail/answer/7674059/
- Control Chromium/Chrome safety -> scroll down to the blue sections:
http://support.google.com/chrome/?#topic=7437824
- Chromium/Chrome privacy -> scroll down to the blue sections:
http://support.google.com/chrome/?#topic=9845306
- Manage Chromium/Chrome Safety + Security:
http://support.google.com/chrome/answer/10468685/
- Chromium/Chrome Safe Browsing:
http://support.google.com/chrome/answer/9890866/
- Select Chromium/Chrome Privacy settings:
http://support.google.com/chrome/answer/114836/
- Chromium/Chrome Browse in private using "Incognito Mode" (Private Browsing):
http://support.google.com/chrome/answer/95464/
- Chromium/Chrome Safe Browsing practices:
http://www.google.com/chrome/privacy/#safe-browsing-practices
- Manage Chromium/Chrome Safety + Security:
http://support.google.com/chrome/answer/10468685/
- Clear, Disable/Enable + Manage Cookies + 3rd party Cookies in Chromium/Chrome:
http://support.google.com/chrome/answer/95647/
- Chromium/Chrome Remove unwanted ads, pop-ups + malware:
http://support.google.com/chrome/answer/2765944/
- Turn ON Chromium/Chrome "Send a 'Do Not Track' (DNT) request with your browsing traffic":
http://support.google.com/chrome/answer/2790761/
- Turn OFF *all* Apps, Desktop, Platform + Web Push Notifications in Chromium/Chrome:
http://support.google.com/chrome/answer/3220216/
- Browsers, Extensions/Add-ons, Cookies, Tracking:
http://themarkup.org/ask-the-markup/2020/09/22/i-scanned-the-websites-i-visit-with-blacklight-and-its-horrifying-now-what/
- Google Guidebooks: Online Security Guides, Lessons, Tips:
http://guidebooks.google.com/online-security/
- Wikipedia: Privacy Concerns with Google:
http://en.wikipedia.org/wiki/Privacy_concerns_with_Google
- MDGx: Cellular/Mobile Devices/Pads/Phones/Tablets Privacy, Safety + Security Apps, Guides, Settings, Tips, Tools in PHONPRIV.TXT (included):
http://www.mdgx.com/phonpriv.php

http://www.mdgx.com/PHONPRIV.TXT
http://www.mdgx.com/PHONPRIV.pdf
- MDGx 100+ Little {Search} Engines... ;-/
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS

Recommended 4 Gmail users:
****
- Google Advanced Protection Program for Gmail Users [free]:
http://landing.google.com/advancedprotection/
- Google Advanced Protection Program Explained:
http://support.google.com/accounts/answer/7519408/
- Google Advanced Protection Program FAQ:
http://landing.google.com/advancedprotection/faq/
- Google Advanced Protection Program Questions + Answers:
http://support.google.com/accounts/answer/7539956/
- Replace your password with a free passkey tied to your computer/device/electronics/hardware/phone:
http://support.google.com/accounts/answer/13548313/
- Google Security Blog:
http://security.googleblog.com/2023/05/so-long-passwords-thanks-for-all-phish.html
- Turn OFF Gmail Smart Features & Controls -> see further above:
http://support.google.com/mail/answer/10079371/
- Get free passkey(s) for your computer(s)/device(s):
http://www.google.com/account/about/passkeys/
- To get a free passkey -> must be logged on/signed in into your Gmail account:
http://myaccount.google.com/signinoptions/passkeys
- Free useful Gmail extensions for Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers users:
	- Gmail Adblocker:
	http://chromewebstore.google.com/detail/gmail-adblocker/kkddllkaglcicbicjlobbhmjjangamjh
	- PixelBlock:
	http://chromewebstore.google.com/detail/pixelblock/jmpmfcjnflbcoidlgapblgpgbilinlem
	- FlowCrypt: Encrypt Google Mail (Gmail) with PGP (Pretty Good Privacy):
	http://chromewebstore.google.com/detail/flowcrypt-encrypt-gmail-w/bnjglocicdkmhmoohhfkfkbbkejdhdgc
- Free useful Gmail add-ons for Firefox [+ alternatives/derivatives/forks/variants] web browsers users:
	- AdBlocker for Gmail:
	http://addons.mozilla.org/firefox/addon/adblock-for-gmail/
	- Pixel Tracker Blocker for emails:
	http://addons.mozilla.org/firefox/addon/pixel-tracker-blocker/
	- FlowCrypt: Encrypt Google Mail (Gmail) with PGP (Pretty Good Privacy) [.xpi]:
	http://flowcrypt.com/download
	-> *must* install by hand -> Install Instructions:
	http://github.com/FlowCrypt/flowcrypt-browser/
- Gmail e-mail platform/product/provider/server/service/software alternatives/replacements with better/enhanced/improved privacy, safety + security:
	- Degoogle: Degoogled/Google free Gmail alternatives, derivatives, forks, replacements:
	http://git.tycrek.com/archive/degoogle/#gmail-mail-service
	- Tuta blog: Quit Gmail and use a privacy focused email provider like Tuta Mail:
	http://tuta.com/blog/degoogle-list/

@ Degoog Metasearch Aggregator with Enhaced Privacy:
****
Degoog open source installable metasearch engine aggregator with enhanced privacy aggregates results from 7 public search engines, services + sources [repository + source code]:
http://github.com/fccview/degoog/
Does NOT track NOR profiles users, NO ad(vertisement)s/marketing/monetization/promo(tion)s/sales/surveillance/spying.
List of all available Degoog online/preconfigured/preinstalled/ready-to-use public instances/servers:
http://github.com/degoog-org/degoog/blob/main/PUBLIC_INSTANCES.md
Degoog main instance [example]:
https://degoog.org/
Degoog Settings [example, customizable]:
https://degoog.org/settings
Degoog Documentation:
http://fccview.github.io/degoog/
XDA: I replaced Google with this self-hosted search aggregator, and I'm never going back:
http://www.xda-developers.com/replaced-google-with-self-hosted-search-aggregator-never-going-back/
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
- Chromium/Chrome set your default search engine:
http://support.google.com/chrome/answer/95426/
- Change your default search engine in Firefox:
http://support.mozilla.org/kb/change-your-default-search-settings-firefox/
MDGx Degoog search page interface:
http://www.mdgx.com/srx/deggl.htm

@ YouTube (YT) [clips, shorts, videos hosted, owned, controlled + operated by Google]:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [E]:
http://tosdr.org/en/service/274
WARNING:
****
You are required to already have, or open a (new) Android, YouTube, Gmail (Google mail), Chrome or Google related

[messaging, web browser(s), online apps, chat rooms, (social) media, forums, (web) sites, software, tools, games, enrollments, feeds/RSS, memberships, notifications, services, subscriptions] account, and be already logged on/signed in for you to be allowed to block/change/clear/delete/disable/remove/turn OFF + configure/keep/set most all Android, YouTube, Gmail, Chrome [+ Chromium based alternatives/derivatives/forks/variants], Google related user activity, history, privacy, safety, search, security choices/configuration/options/preferences/settings.
Go to "YouTube History":
http://myactivity.google.com/product/youtube/
-> turn OFF "Saving your YouTube history" -> should say "NOT saving your YouTube history" -> go to "YouTube History" activity controls:
http://myactivity.google.com/activitycontrols?settings=youtube
-> turn OFF -> UNcheck these 2 boxes: "Include the YouTube videos you watch" + "Include your searches on YouTube".
More info:
http://support.google.com/accounts/answer/7028918/
http://support.google.com/youtube/answer/57711/
http://support.google.com/chrome/answer/185277/
Go to "History" [following 2 options are available even if you are not logged on/signed in into a YouTube, Gmail, Chrome, Google account]:
http://www.youtube.com/feed/history/
-> click/touch upper right corner "Clear all watch history" -> press/touch "Clear watch history" button -> click/touch upper right corner "Clear all search history" -> press/touch "Clear search history" button.
RECOMMENDED:
****
To enhance/improve/optimize your digital/online personal privacy, safety + security + block/disable/stop/turn OFF ad(vertisement)s, auditing, banners, commercials, fingerprinting, offers, profiling, promo(tion)s, recommendations, spying, surveillance, tracking while watching YouTube videos -> install these essential web browser add-ons/extensions [free]:
* Users of Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/nettoys.htm#CHR
- SponsorBlock for YouTube - Skip Sponsorships -> skips YouTube videos ad(vertisement)/promo/sponsor segments, intros, outros, likes, subscription prompts/reminders + other annoyances + interruptions:
http://chromewebstore.google.com/detail/sponsorblock-for-youtube/mnjggcdmjocbbbhaepdhchncahnbgone
- uBlock Origin (uBO) -> *best* ad(ware), cookies pop-ups, scripting, malware, phishing, pop-ups, spyware, tracking, hijacking, dialers, miners, skimmers, social media, video sites, e-mail blocker/filter/remover:
http://github.com/gorhill/uBlock/
-> *must* install by hand -> Install Instructions:
http://sslinsights.com/how-to-manually-install-chrome-extension/
-> *must* right-click LATEST/NEWest .crx file link/URL -> Save link as... -> go to chrome://downloads/ -> Keep -> Keep anyway -> go to chrome://extensions/
-> turn ON "Developer mode" -> Explorer -> go to your Downloads directory/folder [default: %UserProfile%\Downloads (%UserProfile% = C:\Users\%UserName%) or C:\Users\%UserName%\Downloads (%UserName% = your user name)] -> drag & drop saved .crx file onto your browser window -> Add extension:
http://github.com/gorhill/uBlock/releases/latest/
FYI:
****
Chromium based alternatives/derivatives/forks/variants web browsers with future MV2 support for popular adblocker extensions, including uBlock Origin (uBO):
- Supermium:
http://www.win32subsystem.live/supermium/
- Thorium:
http://thorium.rocks/
- Brave:
http://brave.com/
- uBlock Origin Lite (uBOL) [MV3 compliant crippled uBO replacement :-(]:
http://chromewebstore.google.com/detail/ublock-origin-lite/ddkjiahejlhfcafbddmgiahcphecmpfh
- Go to "Internet + Web Browsers Tweaks, Fixes + Tools [Chromium/Chrome, Firefox + Internet Explorer (IE)]" chapter in WINDOWS7.TXT (this file)
http://www.mdgx.com/7.php#:~:text=Internet%20%2B%20Web%20Browsers%20Tweaks%2C%20Fixes%20%2B%20Tools%20%5BChromium%2FChrome%2C%20Firefox
-> "* FIX: Turn OFF/disable annoying YouTube anti-AdBlocker popups which prevent video playback in Chromium/Chrome" section.
* Users of Firefox [+ alternatives/derivatives/forks/variants] web browsers:
http://www.mdgx.com/nettoys.htm#MOZ
- SponsorBlock for YouTube - Skip Sponsorships -> skips YouTube videos ad(vertisement)/promo/sponsor segments, intros, outros, likes, subscription prompts/reminders + other annoyances + interruptions:
http://addons.mozilla.org/firefox/addon/sponsorblock/
- uBlock Origin (uBO) -> *best* ad(ware), cookies pop-ups, scripting, malware, phishing, pop-ups, spyware, tracking, hijacking, dialers, miners, skimmers, social media, video sites, e-mail blocker/filter/remover:
http://addons.mozilla.org/firefox/addon/ublock-origin/
- Go to "Internet + Web Browsers Tweaks, Fixes + Tools [Chromium/Chrome, Firefox + Internet Explorer (IE)]" chapter in WINDOWS7.TXT (this file)
http://www.mdgx.com/7.php#:~:text=Internet%20%2B%20Web%20Browsers%20Tweaks%2C%20Fixes%20%2B%20Tools%20%5BChromium%2FChrome%2C%20Firefox
-> "* FIX: Turn OFF/disable annoying YouTube anti-AdBlocker popups which prevent video playback in Firefox" section.
More info:
- Defensive Computing Checklist: YouTube:
http://defensivecomputingchecklist.com/YouTube.php
- The Verge: Protect your privacy on YouTube:
http://www.theverge.com/2019/4/19/18484802/
- LifeWire: YouTube Privacy Settings:
http://www.lifewire.com/youtube-privacy-settings-1082507/
- GHacks: Always use YouTube Privacy Enhanced Mode:
http://www.ghacks.net/2018/05/23/why-you-should-always-use-youtubes-privacy-enhanced-mode/
- Online Tech Tips: Watch YouTube Without Ads:
http://www.online-tech-tips.com/computer-tips/5-ways-to-watch-youtube-without-ads/
- GitHub: YouTube Video Ads Blocklist:
http://github.com/anudeepND/youtubeadsblacklist/

- YouTube: Account Privacy settings:
http://www.youtube.com/account_privacy/
- YouTube: Account Notifications:
http://www.youtube.com/account_notifications/
- YouTube: Account Playback and performance:
http://www.youtube.com/account_playback/
- YouTube: Privacy Controls:
http://www.youtube.com/howyoutubeworks/user-settings/privacy/
- Google YouTube: Privacy and safety center:
http://support.google.com/youtube/topic/2803240/
- Google YouTube: Protecting your identity:
http://support.google.com/youtube/answer/2801895/
- Google YouTube: Change video privacy settings:
http://support.google.com/youtube/answer/157177/
- Google YouTube: Browse YouTube while incognito on cellular/mobile devices:
http://support.google.com/youtube/answer/9040743/
- Google YouTube: Secure your YouTube account:
http://support.google.com/youtube/answer/9701986/
- Wikipedia: YouTube and Privacy:
http://en.wikipedia.org/wiki/YouTube_and_privacy

@ Bing Search, Live, Microsoft, MSN + Related/Shared Accounts, Services + Apps [owned, controlled + operated by Microsoft]:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [E]:
http://tosdr.org/en/service/331
RECOMMENDED:
****
Turn OFF/block/disable/stop *all* Microsoft Azure, Bing, Cortana, Edge, Hotmail, Live, MSN, Microsoft Start, OneDrive, Outlook, SkyDrive, Windows Mail and Microsoft associated, contracted, (co)owned, operated, related, shared 3rd party/affiliates/associates/branches/brands/companies/divisions/entities/parents/partners/subsidiaries account(s), add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, news, notifications, platforms, products, programs, promo(tion)s, reminders, services, (web) sites, (social) media, software, subscriptions, widgets, etc (if any) Data & Privacy options/preferences/settings that allow/enable/permit Microsoft and/or Microsoft associated entities to access, fingerprint, follow, identify, keep, log, profile, record, store, surveil, spy on, track, use directly/indirectly for advertisement/marketing/monetization/profit/profiling/promotion/sales/surveillance/spying/tracking your confidential/identifiable/personal/private/privileged/unique activity, data, fingerprint, info, history, (geo)location, profiles, sharing, stats, tracks, trails, whereabouts without concern/respect/regard for customers/users' confidential/personal privacy, safety or security, unless imposed/mandated/required by specific laws, norms, regulations and/or rules, and only if/how/where/when applicable and/or enforceable:
Turn OFF ad tracking in Google, Bing/Live/Microsoft Start/MSN + Yahoo!:
http://www.searchenginewatch.com/2017/03/09/how-to-turn-off-ad-tracking-in-google-bing-and-yahoo/
Browser settings -> turn OFF/slide left "Get all notifications":
http://www.bing.com/profile/notifications/settings?service=3
Settings -> Personalization -> Images Feed Personalization [Allow Bing to use your activities to improve the image and video recommendations experience] -> turn OFF/slide left:
http://www.bing.com/account/general/#personalization-section
Activity -> check right hand side box -> press "Clear" button:
http://www.bing.com/profile/history/
Clear your search history -> press "Clear all" button:
http://www.bing.com/profile/history/
Turn OFF/slide left all Experience Settings [Language & content + Feed settings] + Notification(s) [Notification settings: news, notifications, badges, alerts]:
http://www.msn.com/en-us/feed/personalize/
http://www.msn.com/en-us/feed/personalize/notification/
http://www.msn.com/en-us/feed/personalize/settings/
Privacy settings in Microsoft products:
http://support.microsoft.com/topic/where-can-i-find-privacy-settings-in-microsoft-products-206f6928-2694-4adf-a50f-9edb95897d81
General privacy settings in Windows 10 + 11:
http://support.microsoft.com/windows/general-privacy-settings-in-windows-7c7f6a09-cebd-5589-c376-7f505e5bf65a
Change privacy settings in Windows 10 + 11:
http://support.microsoft.com/windows/change-privacy-settings-in-windows-55466b7b-14de-c230-3ece-6b75557c5227
Microsoft Account Privacy Settings:
http://account.microsoft.com/account/privacy
Microsoft Edge browsing activity for personalized advertising and experiences:
http://support.microsoft.com/microsoft-edge/microsoft-edge-browsing-activity-for-personalized-advertising-and-experiences-37aa831e-6372-238e-f33f-7cd3f0e53679
Microsoft Account -> Privacy -> Ad settings:
http://account.microsoft.com/privacy/ad-settings/signedout/
Disable Personalized Ads on Microsoft Sites, Apps + Services:
http://www.laptopmag.com/articles/disable-microsoft-personalized-ads/
Examples above use United States English [en-us]. Your language ID string may be different depending on your installed Windows operating system (OS) primary/selected language, language preference(s) and/or geographical (geo)location:
http://learn.microsoft.com/cpp/c-runtime-library/language-strings/
WARNING:
****
Unfortunately you must already have, or need to open a (new) Microsoft account in order to be allowed to block/change/disable/turn OFF most privacy, safety + security choices/options/preferences/settings on Microsoft and/or associated, contracted, (co)owned, operated, related, shared 3rd party/affiliates/associates/branches/brands/companies/divisions/entities/parents/partners/subsidiaries account(s), add-ons, alerts, app(lication)s, connections, devices, e-mail, enrollments, extensions, features, feeds/RSS, forums, functions, games, interactions, memberships, notifications, platforms, products, programs, promo(tion)s, reminders, services, (web)

sites, (social) media, software, subscriptions, trials, updates, widgets, etc (see above):
http://account.microsoft.com/privacy/
http://account.microsoft.com/account/privacy
http://www.bing.com/account/general/

@ Yahoo! (Y!) Search, Yahoo! Mail + Yahoo! News:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [E]:
http://tosdr.org/en/service/309
- Turn OFF ad tracking in Google, Bing + Yahoo!:
http://www.searchenginewatch.com/2017/03/09/how-to-turn-off-ad-tracking-in-google-bing-and-yahoo/
- Turn OFF Desktop notifications for Yahoo! Mail:
http://help.yahoo.com/kb/SLN26611.html
- Turn OFF notifications from Yahoo! Mail app:
http://en-global.help.yahoo.com/kb/account/enable-notifications-yahoo-mail-sln26439.html
- Turn OFF Yahoo! News Notifications:
http://800emailsupport.com/blog/turn-off-yahoo-news-notification/
WARNING:
****
Unfortunately you must already have, or need to open a (new) Yahoo! account in order to be allowed to
block/change/disable/turn OFF most of these privacy, safety + security choices/options/preferences/settings (see above).

@ DuckDuckGo (DDG) Search, Privacy Essentials + E-mail Protection:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [B]:
http://tosdr.org/en/service/222
DuckDuckGo (DDG) search engine with enhanced privacy:
http://duckduckgo.com/
Disconnect Search (using DuckDuckGo):
http://search.disconnect.me/
Turn OFF/disable/opt OUT of/stop all DuckDuckGo (DDG) ad(vertisement)s, notifications, reminders, subscriptions, feedback,
requests, annoyances -> go to:
http://duckduckgo.com/settings/
-> All Settings -> General tab -> scroll down -> turn OFF/UNcheck all these boxes:
- "Advertisements";
- "Install DuckDuckGo" [this will also automatically turn OFF/disable next setting below];
- "Shows occasional reminders to add DuckDuckGo to your browser";
- "Privacy Newsletters";
- "Shows occasional reminders to sign up for the DuckDuckGo privacy newsletters";
- "Homepage Privacy Tips";
- "Help Improve DuckDuckGo".
DuckDuckGo Help Pages:
http://help.duckduckgo.com/duckduckgo-help-pages/
REMINDER:
****
You may need to do this all over again after a while/periodically, because DuckDuckGo may reset back some of their
configurable settings [see above] behind your back/unauthorized/without your approval/consent/knowledge/permission based on
expiring session cookies! ;-(
DuckDuckGo: Google Alternative for Privacy:
http://www.howtogeek.com/710128/what-is-duckduckgo-meet-the-google-alternative-for-privacy/
Switch to DuckDuckGo, a Private Search Engine:
http://www.howtogeek.com/709072/how-to-switch-to-duckduckgo-a-private-search-engine/
Wikipedia: DuckDuckGo:
http://en.wikipedia.org/wiki/DuckDuckGo
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
Add DuckDuckGo Search Engine to Your Browser:
http://www.tomsguide.com/how-to/how-to-use-duckduckgo/
DuckDuckGo Privacy Essentials:
http://github.com/duckduckgo/duckduckgo-privacy-extension/
DuckDuckGo E-mail Protection [@duck.com e-mail address, forwarding + blocks trackers -> requires DuckDuckGo extension, or
add-on, or app!]:
http://duckduckgo.com/email/
- Chromium/Chrome extension:
http://chromewebstore.google.com/detail/duckduckgo-privacy-essent/bkdgflcldnnnapblkhphbgpggdiikppg
- Firefox add-on:
http://addons.mozilla.org/firefox/addon/duckduckgo-for-firefox/
- Edge add-on:
http://microsoftedge.microsoft.com/addons/detail/caoacbimdbbljakfhgikoodekdnlcgpk/
- Safari app:
http://apps.apple.com/us/app/duckduckgo-privacy-for-safari/id1482920575/
- Android app:
http://duckduckgo.com/app/
DuckDuckGo E-mail Protection:
http://spreadprivacy.com/protect-your-inbox-with-duckduckgo-email-protection/

@ SearXNG Metasearch Aggregator Network:
****
SearXNG [maintained + updated SearX fork] open source installable metasearch engine instance server with enhanced privacy
aggregates results from 70+ public search engines, services + sources, highly customizable [repository + source code]:
http://github.com/searxng/searxng/
Does NOT track NOR profiles users, NO ad(vertisement)s/marketing/monetization/promo(tion)s/sales/surveillance/spying.

List of all available SearXNG online/preconfigured/preinstalled/ready-to-use public instances/servers:
http://searx.space/
SearXNG server [example]:
http://searxng.site/
SearXNG Preferences [example, highly customizable]:
http://searxng.site/preferences
SearXNG Search Syntax + Guide [example]:
http://searxng.site/info/en/search-syntax
Neocities: random SearXNG metasearch aggregator + redirector [JavaScript ON (enabled)]:
http://searx.neocities.org/
Neocities: random SearXNG metasearch aggregator + redirector [JavaScript OFF (disabled)]:
http://searx.neocities.org/nojs
INDST [customized SearXNG server]:
http://search.indst.eu/
GRUBLE [customized SearXNG server]:
http://www.gruble.de/
SearXNG Documentation:
http://docs.searxng.org/
Wikipedia: SearXNG:
http://en.wikipedia.org/wiki/SearXNG
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
- Chromium/Chrome set your default search engine:
http://support.google.com/chrome/answer/95426/
- Change your default search engine in Firefox:
http://support.mozilla.org/kb/change-your-default-search-settings-firefox/
- Search with SearXNG extension for Chromium/Chrome:
http://chromewebstore.google.com/detail/search-with-searxng/bninjnpgghpgccjkebpjiomjjjjpnoje
- SearXNG - Privacy Search Engine add-on for Firefox:
http://addons.mozilla.org/firefox/addon/searxng-search/

@ Startpage Search + Privacy Protection Add-on + Extension:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [A]:
http://tosdr.org/en/service/418
Startpage Search engine with enhanced privacy:
http://www.startpage.com/
Turn OFF/disable/opt OUT of/stop Startpage promo(tion)s, annoyances -> go to:
http://www.startpage.com/do/settings
-> turn OFF/slide left "Promotional messaging".
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
Anonymous View by Startpage [English only!]:
http://www.startpage.com/en/anonymous-view/
Startpage Privacy Protection:
http://add.startpage.com/protection/
Wikipedia: Startpage:
http://en.wikipedia.org/wiki/Startpage.com
- Chromium/Chrome extension:
http://chromewebstore.google.com/detail/startpage-privacy-protect/cdkhedhmncjnpabolpjceohohlefegak
- Firefox add-on:
http://addons.mozilla.org/firefox/addon/startpage-privacy-protection/

@ Brave Search:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [B]:
http://tosdr.org/en/service/1487
Brave Search engine with enhanced privacy:
http://search.brave.com/
Turn OFF/disable/opt OUT of/stop Brave annoyances -> go to:
http://search.brave.com/settings/
-> scroll all the way down to the bottom of the page -> turn OFF/slide left "Anonymous usage metrics".
Wikipedia: Brave Search:
http://en.wikipedia.org/wiki/Brave_Search
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
- Chromium/Chrome extension:
http://chromewebstore.google.com/detail/brave-search/jojedekgcncccnjhilimdojbfnfamkda
- Firefox add-on:
http://addons.mozilla.org/firefox/addon/brave-search/

@ Qwant Search:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [B]:
http://tosdr.org/en/service/527
Qwant search engine with enhanced privacy:
http://www.qwant.com/
Qwant Junior search engine with enhanced child/family privacy + safety:
http://www.qwantjunior.com/
Users are neither tracked nor profiled, NO ad(vertisement)s/marketing/monetization/promo(tion)s/sales/surveillance.
About Qwant:
http://about.qwant.com/

Qwant Help:
http://help.qwant.com/
Wikipedia: Qwant:
http://en.wikipedia.org/wiki/Qwant
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
- Chromium/Chrome extension:
http://chromewebstore.google.com/detail/qwant-viprivacy/hnlkiofnhhoahaiimdicppgemmmomijo
- Firefox add-on:
http://addons.mozilla.org/firefox/addon/qwantcom-for-firefox/

@ Ecosia Search:
****
Terms of Service; Didn't Read [ToS;DR]: Privacy Grade = [C]:
http://tosdr.org/en/service/591
Ecosia search engine with enhanced privacy:
http://www.ecosia.org/
Turn OFF/disable/opt OUT of/stop/UNcheck Ecosia Notifications + Personalized search results -> go to:
http://www.ecosia.org/settings/
-> turn OFF/UNcheck "Personalized search results" + "Notifications" boxes.
Wikipedia: Ecosia:
http://en.wikipedia.org/wiki/Ecosia
Change Default Search Engine on All Web Browsers + Computers/Devices:
http://kinsta.com/blog/how-to-change-search-engine/
- Chromium/Chrome extension:
http://chromewebstore.google.com/detail/ecosia-the-search-engine/eedlgdlajadkbbjoobobefphmfkcchfk
- Firefox add-on:
http://addons.mozilla.org/firefox/addon/ecosia-the-green-search/

@ MDGx 100+ Search Engines [most have enhanced privacy, safety + security]:
****
- MDGx "100+ Little {Search} Engines... ;-/"
http://www.mdgx.com/links.htm#LSE
[most have enhanced privacy, safety + security]:
http://www.mdgx.com/nettoys.htm#PSSGS
_____

Chromium/Chrome/X-Chromium/Thorium/Brave/Vivaldi/Supermium Automated Clean-Up

This applies to all Windows 7/newer builds/editions/releases/versions.

Automatically [eliminating laborious by hand/manual time consuming procedures, multiple steps, complications, interruptions, etc] + quietly [with 0/minimum output by terminating command lines with " >NUL 2>&1" to render them invisible/quiet/silent] clean-up/de-bloat by running a single DOS console command line BATch (.bat)/CoMmanD (.cmd) script (plain text) file, which clears/deletes/erases/removes/wipes out past activity, auditing, fingerprint, history, profile, surveillance, temporary, tracking + annoying/bloat/suspicious/undesirable/unnecessary/unneeded/unsafe/unused/unwanted/useless files + directories/folders (some of whom consume large amounts of storage space, and if left unchecked can inflate over time to 10s of GigaBytes!) created/enabled by Chromium, Google Chrome, Chrome Beta, Chrome Dev(eloper) (Canary), X-Chromium (X-Launcher), Thorium, Brave, Vivaldi, Supermium + other similar alternatives/derivatives/forks/variants web browsers based on free, open source Chromium code in Windows 7/newer.
http://en.wikipedia.org/wiki/Chromium_(web_browser)#Browsers_based_on_Chromium
http://chromium.woolyss.com/
http://www.mdgx.com/nettoys.htm#CHR
BEWARE:
****
Windows 10 users: my BATch (.bat)/CoMmanD (.cmd) clean-up/de-bloat script file does NOT work with abandoned/discontinued/obsolete/OLDer/unsupported proprietary Microsoft Edge web browsers [pre-Chromium code based: all OLDer Edge versions up to 78] files + directory/folder design/layout/structure.
http://www.verizon.com/support/knowledge-base-204588/
http://clear-my-cache.com/windows/microsoft-edge.html
NOTES:
******
- Windows 10 + 11 users of current/updated/NEWer/supported Microsoft Edge web browsers based on heavily modified Chromium (Canary developer channel) free, open source code [all Edge versions 79 + newer]: you can use this BATch (.bat)/CoMmanD (.cmd) script
http://techcommunity.microsoft.com/t5/windows-11/example-batch-file-to-clear-browsing-history-on-microsoft-edge/m-p/3281775/
as example/template [+ you most likely need to adapt/customize/modify/update it to match your custom/particular/specific file/directory/folder design/layout/structure + configuration/needs/preferences/requirements] to clean-up/de-bloat your Chromium based Edge web browser(s).
- Firefox + Firefox based alternatives/derivatives/forks/variants free, open source code web browsers users: you can use this BATch (.bat)/CoMmanD (.cmd) script
http://techcommunity.microsoft.com/t5/windows-11/example-batch-file-to-clear-browsing-history-on-microsoft-edge/m-p/3281775/highlight/true#M3276
as example/template (+ you most likely need to adapt/customize/modify/update it to match your custom/particular/specific file/directory/folder design/layout/structure + configuration/needs/preferences/requirements) to clean-up/de-bloat your Firefox and/or Firefox based alternative(s)/derivative(s)/fork(s)/variant(s) web browser(s) -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Firefox" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#MOZ

PRIVACY, SAFETY + SECURITY:
****
Every day + frequent use of various Chromium/Chrome [+ alternatives/derivatives/forks/variants] web browsers expose(s) some of your confidential/identifiable/personal/private/privileged activity, biometrics, data, fingerprint, history, information, stats, and therefore makes you vulnerable behind-your-back, hidden, unknowingly, without your approval/authorization/consent/knowledge/permission to a plethora of defects/flaws/methods/strategies/vulnerabilities exploited/used for deceptive, dubious, fraudulous, harmful, illegal, malicious, suspicious, unauthorized purposes for breaches, dissemination, hacking, intrusions, invasion, leaks, auditing, fingerprinting, phishing, malware, spying, surveillance, telemetry, tracking due to the creation/persistence/storage/updating of certain files [some of them in machine/user binary/text readable, unencrypted formats] created/developed/programmed by Google [owners of Chromium/Chrome code], and also by Microsoft Edge creators, developers, programmers, because Edge is based on Google Chromium (Canary developer) code (examples):
- Browser Metrics:
http://www.wisecleaner.com/think-tank/338-What-is-Browser-Metrics-File.html
http://www.wikihow.tech/Clear-Browser-Metrics-Files
- Network Persistent State:
http://www.alexbilz.com/post/2022-02-04-recovering-ssid-from-network-persistent-state/
FYI:
****
To clear/delete/remove stored HTTP(S)/web/internet web browser cookies:
- See 'Go to "Cookies and other site data" -> "General settings":' topic -> part of "@ Chromium/Chrome web browsers + alternatives/derivatives/forks/variants" section -> part of "Digital + Internet/Online Privacy, Safety + Security = Your Top Priority" chapter further above in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=%40%20Chromium%2FChrome%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%5D
- See "* Everything about HTTP/web/internet/browser Cookies:" section further above in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=%2A%20Everything%20about%20HTTP%2Fweb%2Finternet%2Fbrowser%20Cookies%3A
- ClearCookies BATch (.bat) file [ClearCookies.bat] [UNMAINTAINED!] deletes all stored cookies from most popular web browsers: Chrome/Chromium, Firefox, Internet Explorer (IE), Opera, Safari:
http://github.com/CCrashZer0/ClearCookies/
File:
http://github.com/CCrashZer0/ClearCookies/blob/master/ClearCookies.bat
1st Things 1st:
****
1. Make a BACKUP copy/clone of all your web browser(s) user profile(s) directories/folders + files to a safe location before running this DOS console command line BATch (.bat)/CoMmanD (.cmd) script plain text/ASCII file, which clears/deletes/erases/removes/wipes out a *large* number of files + directories/folders from your web browser(s) user profile(s).
FYI:
****
Here are the most popular/used Chromium, Chrome + Chromium alternatives/derivatives/forks/variants (based on Chromium code) -> see "Free(ware) Windows 9x/NTx Web Browsers" chapter -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
built-in/default/preset web browser user profile locations in Windows Vista/newer, and all of them are covered in this BATch (.bat)/CoMmanD (.cmd) clean-up/de-bloat script plain text/ASCII file (see further below):
- Chromium (original/unmodified/untouched stable Chromium code) 32-bit + 64-bit web browsers:
http://chromium.googlesource.com/chromium/src/+/master/docs/user_data_dir.md
and precompiled portable Chromium 32-bit + 64-bit web browsers:
http://chromium.woolyss.com/
%UserProfile%\AppData\Local\Chromium [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Chromium [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Chromium [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Chromium [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
http://renenyffenegger.ch/notes/Windows/dirs/Users/username/
Get Degoogled/Ungoogled/stripped of Google ad(ware)/integration/spyware/surveillance/tracking code Chromium builds [clearly labeled, portable]:
http://ungoogled-software.github.io/ungoogled-chromium-binaries/
- Chrome Beta (original/unmodified/untouched Chromium test code) 32-bit + 64-bit web browsers:
http://chromium.googlesource.com/chromium/src/+/master/docs/user_data_dir.md
%UserProfile%\AppData\Local\Google\Chrome Beta [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Google\Chrome Beta [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Google\Chrome Beta [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Google\Chrome Beta [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
Get Chrome Beta:
http://www.google.com/chrome/beta/
- Chrome Dev(eloper) (Canary) (original/unmodified/untouched Chromium test code) 32-bit + 64-bit web browsers:
http://chromium.googlesource.com/chromium/src/+/master/docs/user_data_dir.md
%UserProfile%\AppData\Local\Google\Chrome SxS [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Google\Chrome SxS [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Google\Chrome SxS [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Google\Chrome SxS [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
Get Chrome Dev(eloper) (Canary):
http://www.google.com/chrome/dev/
- Google Chrome (Google modified Chromium stable code) 32-bit + 64-bit web browser:
http://support.google.com/chrome/a/answer/7349337/
%UserProfile%\AppData\Local\Google\Chrome [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Google\Chrome [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Google\Chrome [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Google\Chrome [%AppData% = C:\Users\User_Name\AppData]

User_Name is replaced with your actual user name.
Get Google Chrome:
http://support.google.com/chrome/answer/95346/
- Thorium (AVX)/Thorium AVX2 (hardware optimized Chromium forks) 64-bit web browsers:
http://support.google.com/chrome/a/answer/7349337/
%UserProfile%\AppData\Local\Thorium [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Thorium [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Thorium [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Thorium [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
Get Thorium AVX2 (3D rendering + HD/VHD/UHD video playback hardware optimized, portable):
http://github.com/Alex313031/Thorium-Win/releases/latest/
Get Thorium (CPU extensions hardware optimized, portable):
Thorium latest build for Windows 10/11 [ZIP = full, Portable]:
http://github.com/Alex313031/Thorium-Win/releases/latest/
Thorium newest build for Windows 7/8/8.1 [ZIP = full, Portable]:
http://github.com/Alex313031/thorium-legacy/releases/latest/
- Brave (improved privacy, safety + security + optimized speed Chromium fork) 32-bit + 64-bit web browser:
http://community.brave.com/t/where-does-brave-store-its-data-files/53830/
%UserProfile%\AppData\Local\BraveSoftware [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\BraveSoftware [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\BraveSoftware [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\BraveSoftware [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
Get Brave (portable):
http://github.com/brave/brave-browser/releases/latest/
- Vivaldi (enhanced privacy, safety + security Chromium fork) 32-bit + 64-bit web browser:
http://techdows.com/2015/06/find-vivaldi-browser-installed-location-or-path.html
%UserProfile%\AppData\Local\Vivaldi [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Vivaldi [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Vivaldi [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Vivaldi [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
Get Vivaldi (portable -> Install standalone):
http://vivaldi.com/download/
- Supermium (optimized performance + privacy Chromium fork) 32-bit + 64-bit web browser:
http://www.win32subsystem.live/supermium/
Get Supermium newest build [EXE = full, Installer +/- ZIP = full, Portable]:
http://download.win32subsystem.live/supermium/releases/?C=M;O=D
http://win32subsystem.live/supermium/releases/
http://github.com/win32ss/supermium/releases/latest/
%UserProfile%\AppData\Local\Supermium [%UserProfile% = C:\Users\User_Name]
%AppData%\Local\Supermium [%AppData% = C:\Users\User_Name\AppData]
%UserProfile%\AppData\Roaming\Supermium [%UserProfile% = C:\Users\User_Name]
%AppData%\Roaming\Supermium [%AppData% = C:\Users\User_Name\AppData]
User_Name is replaced with your actual user name.
- X-Chromium (X-Launcher) (winPenPack X-Software launcher portability/redirection tools + original/unmodified/untouched
Chromium code) 32-bit + 64-bit web browser:
http://www.winpenpack.com/en/page.php?26
X:\X-Software\User\Program_Name
Replace all generic letters + names [X:, X-Software, User + Program_Name above] with your actual X-Chromium (X-Launcher)
drive/partition/volume letter, base/main directory/folder name + user name (if any + if applicable).
In this example I use C:\PORT\CHROME = replace it to match yours (if different) -> see DOS console command line BATch
(.bat)/CoMmanD (.cmd) file below.
Get X-Chromium (portable):
http://www.winpenpack.com/en/download.php?view.1082
2. Chromium/Chrome + alternatives/derivatives/forks/variants directory/folder structure/tree layout + default locations:
open (File) Explorer -> go to the directory (directories)/folder(s) where your Chromium based web browser(s) keep(s)
its/their user profile location(s) -> see 1. further above.
You can view/save/print any directory/folder tree structure: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command (using Chromium in this example):
DIR "%UserProfile%\AppData\Local\Chromium" /A:D /B /S
DIR "%UserProfile%\AppData\Roaming\Chromium" /A:D /B /S
OR:
DIR "%AppData%\Local\Chromium" /A:D /B /S
DIR "%AppData%\Roaming\Chromium" /A:D /B /S
-> press Enter.
View DIR [Directory] built-in command options, switches + parameters: from a DOS console command prompt
[%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
DIR /?
Save your DIR output screen as plain text/ASCII (.txt) file, you can view/edit/print using Notepad/similar/better free(ware)
plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
using same example above:
DIR "%UserProfile%\AppData\Local\Chromium" /A:D /B /S>%TEMP%\Chromium_User_Profile_tree.txt
DIR "%UserProfile%\AppData\Roaming\Chromium" /A:D /B /S>%TEMP%\Chromium_User_Profile_tree.txt
OR:
DIR "%AppData%\Local\Chromium" /A:D /B /S>%TEMP%\Chromium_User_Profile_tree.txt
DIR "%AppData%\Roaming\Chromium" /A:D /B /S>%TEMP%\Chromium_User_Profile_tree.txt
In this case Chromium_User_Profile_tree.txt is saved in your Temp(orary) [%TEMP%] directory/folder, usually
%UserProfile%\AppData\Local\Temp
%UserProfile%\AppData\Roaming\Temp

OR:
%AppData%\Local\Temp
%AppData%\Roaming\Temp
in Windows Vista/newer, where %UserProfile% = your actual user name.
View your default/preset (unless you changed it) system Temp(orary) [%TEMP%] directory/folder location: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE] right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
PATH
Scroll down to these 2 environment variables (generic example):
TEMP=C:\Users\User_Name\AppData\Local\Temp
TMP=C:\Users\User_Name\AppData\Local\Temp
where User_Name is replaced with your actual user name.
References:
- Chromium/Chrome User Data Directory:
http://chromium.googlesource.com/chromium/src/+/master/docs/user_data_dir.md
- Chromium OS Local & Remote Source Tree Layouts:
http://chromium.googlesource.com/chromiumos/docs/+/HEAD/source_layout.md
- Getting Around the Chromium Source Code Directory Structure:
http://www.chromium.org/developers/how-tos/getting-around-the-chrome-source-code/
- Structure of Chromium/Chrome User Profile data:
http://superuser.com/questions/951095/
- Chromium/Chrome directory/folder hierarchy/tree:
http://chromium.googlesource.com/chromium/src.git/+/78b64f6ab701b31e69dc822adde685ebe55c62b1/
- Chromium/Chrome Cookies and Network Data:
http://www.avanite.com/blog/chromium-cookies-and-network-data/
- Location of Chromium/Chrome history:
http://www.foxtonforensics.com/browser-history-examiner/chrome-history-location/
3. Test this DOS console command line BATch (.bat)/CoMmanD (.cmd) file (see further below) to make sure it works properly on your Windows 7/newer computer(s)/device(s) and in your specific environment(s), because certain hardware/software/system configurations/customizations/requirements/settings may need some of these files +/- directories/folders +/- have changed/different locations.
4. After that customize/edit/modify it by opening it in Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
and comment/disable/remark the lines you see fit +/- don't wish to use according to your specific configurations/customizations/needs/preferences/requirements/settings by adding a double colon and a space [::] in front of each line, or you can delete/erase/remove them altogether, +/- add new ones to match your needs/preferences/settings.
REQUIREMENTS:
****
1. Must (double-)click/execute/launch/open/run/start DOS console command line BATch (.bat)/CoMmanD (.cmd) file (further below) as Administrator -> right-click it or its icon/item/link/shortcut -> select "Run as Administrator".
2. Make sure *none* of these EXEcutables (.exe files): Chrome.exe, Chromium.exe, X-Chromium.exe, Thorium.exe, Brave.exe and/or Vivaldi.exe is/are open/running, not even in the background, minimized or on standby.
Execute/launch/open/run/start Task Manager:
http://www.wikihow.com/Open-Windows-Task-Manager/
http://www.howtogeek.com/66622/stupid-geek-tricks-6-ways-to-open-windows-task-manager/
Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type this command:
taskmgr.exe
-> press Enter or click OK.
Task Manager [TaskMgr.exe] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Windows 10/newer users (optional): execute/launch/open/run/start LaunchTM.exe the same way.
Launch Task Manager [LaunchTM.exe] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
Task Manager window -> click "Processes" tab -> scroll down and look for any of the Chromium/Chrome or/and alternatives/derivatives/forks/variants EXEcutables (.exe) listed above.
In case you see any of the EXEcutables (.exe) listed above: right-click on each of them 1 at a time (if more than 1) -> select "End Process Tree" as many times as necessary to make sure you close *all* instances, or if there is only 1 listed -> select "End Process".
Therefore...
To be able to delete all files + directories/folders listed below 1st you *MUST* close/exit/shutdown completely *all* active/open/running (even in the background)/idle/resident instances/tabs/windows of Chrome, Chromium, X-Chromium (X-Launcher), Thorium, Brave, Vivaldi and/or Supermium EXEcutables (.exe files), and *only* after that right-click (once again) this DOS console command line BATch (.bat)/CoMmanD (.cmd) file or its icon/item/link/shortcut [in case you created 1] -> select "Run as Administrator".
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
COLOR E4
TITLE "Delete Bloat/Suspicious/Unsafe/Useless (X-)Chrom(ium)/Brave/Thorium/Vivaldi/Supermium files + directories/folders..."
CD\
FOR /D %%g IN ("%ProgramFiles%\chrome_url_fetch*") DO IF EXIST "%ProgramFiles%\chrome_url_fetch*" RMDIR /S /Q "%%~g"
FOR /D %%g IN ("%ProgramFiles(x86)%\chrome_url_fetch*") DO IF EXIST "%ProgramFiles(x86)%\chrome_url_fetch*" RMDIR /S /Q "%%~g"
FOR /D %%g IN ("%ProgramData%\chrome_url_fetch*") DO IF EXIST "%ProgramData%\chrome_url_fetch*" RMDIR /S /Q "%%~g"
```

```
FOR /D %%g IN ("%TEMP%\chrome_url_fetch*") DO IF EXIST "%TEMP%\chrome_url_fetch*" RMDIR /S /Q "%%~g"
FOR /D %%g IN ("%WinDir%\TEMP\chrome_url_fetch*") DO IF EXIST "%WinDir%\TEMP\chrome_url_fetch*" RMDIR /S /Q "%%~g"
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Chromium @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Chromium (Portable) [Chromium.exe] web browsers user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Chromium OR %UserProfile%\AppData\Roaming\Chromium [where %UserProfile% is C:\Users\User_Name
:: = User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "CHROM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT1
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Chromium" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Chromium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Chromium\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Chromium\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\optimization_guide_hint_cache_store"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Chromium\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Chromium" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Chromium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\discounts_db"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Chromium\User Data\Default\WebrtcVideoStats"
:NXT1
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Chrome Beta @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Chrome Beta web browser [Chrome.exe] user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Google\Chrome Beta OR %UserProfile%\AppData\Roaming\Google\Chrome Beta [where %UserProfile%
:: is C:\Users\User_Name = User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "CHROM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT2
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Google\Chrome Beta" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Google\Chrome Beta" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Webstore Downloads"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User
Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome Beta\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Google\Chrome Beta" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Google\Chrome Beta" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\GraphiteDawnCache"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User
Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome Beta\User Data\Default\WebrtcVideoStats"
:NXT2
:: @@@@@@@@@@@@@@@@@@@@@@@@ Chrome Dev(eloper) (Canary) @@@@@@@@@@@@@@@@@@@@@@@@
:: Chrome Dev(eloper) (Canary) [Chrome.exe] web browser user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Google\Chrome SxS OR %UserProfile%\AppData\Roaming\Google\Chrome SxS [where %UserProfile% is
:: C:\Users\User_Name = User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "CHROM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT3
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Google\Chrome SxS" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Google\Chrome SxS" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\DownloadMetadata" >NUL 2>&1
```

```
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User
Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome SxS\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Google\Chrome SxS" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Google\Chrome SxS" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\lockfil*.*" >NUL 2>&1
```

```
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User
Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome SxS\User Data\Default\WebrtcVideoStats"
:NXT3
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@ Google Chrome @@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Google Chrome [Chrome.exe] web browser user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Google\Chrome OR %UserProfile%\AppData\Roaming\Google\Chrome [where %UserProfile% is
:: C:\Users\User_Name = User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "CHROM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT4
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Google\Chrome" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Google\Chrome" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\debug*.*" >NUL 2>&1
```

```
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\shared_proto_db"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Google\Chrome\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Google\Chrome" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Google\Chrome" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User
Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User
Data\Default\optimization_guide_model_metadata_store"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Google\Chrome\User Data\Default\WebrtcVideoStats"
:NXT4
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Thorium @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Thorium (AVX)/Thorium AVX2 (Portable) [Thorium.exe] web browsers user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Thorium OR %UserProfile%\AppData\Roaming\Thorium [where %UserProfile% is C:\Users\User_Name =
:: User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "THORIUM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT5
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Thorium" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Thorium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Thorium\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Thorium\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Crashpad"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Thorium\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Thorium" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Thorium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\BudgetDatabase"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Thorium\User Data\Default\WebrtcVideoStats"
:NXT5
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Brave @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Brave (Portable) [Brave.exe] web browser user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\BraveSoftware OR %UserProfile%\AppData\Roaming\BraveSoftware [where %UserProfile% is
:: C:\Users\User_Name = User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "BRAVE" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT6
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\BraveSoftware" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\BraveSoftware" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\FirstPartySetsPreloaded"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\BraveSoftware\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\BraveSoftware" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\BraveSoftware" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\BrowserMetrics"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User
Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\BraveSoftware\User Data\Default\WebrtcVideoStats"
:NXT6
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Vivaldi @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Vivaldi (Install standalone) [Vivaldi.exe] web browser user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Vivaldi OR %UserProfile%\AppData\Roaming\Vivaldi [where %UserProfile% is C:\Users\User_Name =
:: User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "VIVALDI" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT7
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Vivaldi" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Vivaldi" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\LOCK" >NUL 2>&1
```

```
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Vivaldi\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Vivaldi" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Vivaldi" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\BrowserMetric*.*" >NUL 2>&1
```

```
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Vivaldi\User Data\Default\WebrtcVideoStats"
:NXT7
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Supermium @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: Supermium (Portable) [Chrome.exe] web browser user profile base/main directory/folder =
:: %UserProfile%\AppData\Local\Supermium OR %UserProfile%\AppData\Roaming\Supermium [where %UserProfile% is
:: C:\Users\User_Name = User_Name is replaced with your actual user name]:
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
```

```
FIND.EXE /I "CHROM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT8
TAKEOWN.EXE /f "%UserProfile%\AppData\Local\Supermium" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Local\Supermium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Local\Supermium\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Local\Supermium\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User
Data\Default\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Search Logos"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Local\Supermium\User Data\Default\WebrtcVideoStats"
TAKEOWN.EXE /f "%UserProfile%\AppData\Roaming\Supermium" /r /d y >NUL 2>&1
ICACLS.EXE "%UserProfile%\AppData\Roaming\Supermium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\debug*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*.corrupt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*crash*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\licens*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\about*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*.bak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*.pma" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*.old" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*.tmp" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\LOCK" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\LOG" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\*-journal.*" >NUL 2>&1
DEL /F /Q /S "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\File System\00000*" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\DownloadMetadata" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\History" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\InterestGroups" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\PrivateAggregation" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Visited Links" >NUL 2>&1
DEL /F /Q "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\coupon_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User
Data\Default\optimization_guide_model_and_features_store"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User
Data\Default\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User
Data\Default\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%UserProfile%\AppData\Roaming\Supermium\User Data\Default\WebrtcVideoStats"
:NXT8
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ X-Chromium @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
:: X-Chromium (X-Launcher) Portable launcher [X-Chromium.exe] running Chrome or Chromium based
:: alternative/derivative/fork/variant [chrome.exe] web browser base/main directory/folder = C:\PORT\CHROME in this example.
:: *MUST* change drive/partition/volume letter +/- directories/folders names to match yours (if different):
TASKLIST.EXE>%TEMP%\CHROM_RUN!.TXT
FIND.EXE /I "X-CHROM" "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
IF NOT ERRORLEVEL 1 GOTO NXT9
TAKEOWN.EXE /f "C:\PORT\CHROME" /r /d y >NUL 2>&1
ICACLS.EXE "C:\PORT\CHROME" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\debug*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*.corrupt" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*crash*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\licens*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\about*.txt" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\CHANGELOG*.txt" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*licens*.txt" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*.bak" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*.pma" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\BrowserMetric*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\BrowsingTopic*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\CrashpadMetric*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\Cach*.pak" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*.old" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*.tmp" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\LOCK" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\lockfil*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\LOG" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\chrome_shut*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\persisted_first_party_set*.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\*-journal.*" >NUL 2>&1
DEL /F /Q /S "C:\PORT\CHROME\USER\CHROME\DEFAULT\File System\00000*" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\Local Storage\leveldb\*.ldb" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\DownloadMetadata" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\History" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\InterestGroups" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\MediaDeviceSalts" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\PrivateAggregation" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\Visited Links" >NUL 2>&1
DEL /F /Q "C:\PORT\CHROME\USER\CHROME\DEFAULT\Network\Network Persistent State" >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\BrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\component_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DeferredBrowserMetrics"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DesktopSharingHub"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\extensions_crx_cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\FirstPartySetsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\Floc"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\GraphiteDawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\Local Traces"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\PnaclTranslationCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\PrivacySandboxAttestationsPreloaded"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\ShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\System Profile"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\TpcdMetadata"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\Webstore Downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\AutofillAiModelCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\AutofillStrikeDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\blob_storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\BudgetDatabase"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Code Cache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\commerce_subscription_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\coupon_db"
```

```
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Crash pad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Crashpad"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\data_reduction_proxy_leveldb"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\DawnCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\DawnGraphiteCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\DawnWebGPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\discounts_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Download Service"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Feature Engagement Tracker"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\GCM Store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\GPUCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\GrShaderCache"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\optimization_guide_hint_cache_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\optimization_guide_model_and_features_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\optimization_guide_model_metadata_store"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\optimization_guide_prediction_model_downloads"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\PersistentOriginTrials"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Platform Notifications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Search Logos"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Segmentation Platform"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Session Storage"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Sessions"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\shared_proto_db"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Thumbnails"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\VideoDecodeStats"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\Web Applications"
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "C:\PORT\CHROME\USER\CHROME\DEFAULT\WebrtcVideoStats"
:: X-Chromium Temp (Temporary) directory/folder = %TEMP%\X-Chromium [where %TEMP% is by default
:: C:\Users\User_Name\AppData\Local\Temp = User_Name is replaced with your actual user name]:
TAKEOWN.EXE /f "%TEMP%\X-Chromium" /r /d y >NUL 2>&1
ICACLS.EXE "%TEMP%\X-Chromium" /grant:R %UserName%:F Administrators:F /t /c /q >NUL 2>&1
RUNDLL32.EXE ADVPACK.DLL,DelNodeRunDLL32 "%TEMP%\X-Chromium"
:NXT9
:: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ The End @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
IF EXIST "%TEMP%\CHROM_RUN!.TXT" DEL /F /Q "%TEMP%\CHROM_RUN!.TXT" >NUL 2>&1
:END
EXIT
------End cut & paste here------
ADVPACK.DLL library + FIND.EXE, ICACLS.EXE, RUNDLL32.EXE, TAKEOWN.EXE + TASKLIST.EXE executables are located in the
%WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS], listed in your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Similar cleaning/debloating tools:
- BleachBit 32-bit + 64-bit bloat, confidential, deleted, insecure, obsolete, outdated, private, removed, sensitive,
uninstalled, unnecessary, unneeded, unsafe, unused, unwanted, useless, wasteful system + software directories/folders +
files cleaner + remover, frees storage space, enhances personal privacy, safety + security, highly customizable:
http://www.bleachbit.org/
Download [Portable ZIP]:
http://www.bleachbit.org/download/windows/
BleachBit Repository:
http://sourceforge.net/projects/bleachbit/files/bleachbit/
BleachBit Features:
http://www.bleachbit.org/features/
BleachBit online Documentation:
http://docs.bleachbit.org/
EFF (Electronic Frontier Foundation) Surveillance Self Defense (SSD): Delete Your Data Securely on Windows:
http://ssd.eff.org/module/how-delete-your-data-securely-windows/
- CCleaner Free [CRIPPLED FREEWARE!] bloat, insecure, obsolete, outdated, uninstalled, unnecessary, unneeded, unsafe,
unused, unwanted, useless, wasteful system, registry + software directories/folders + files cleaner, fixer, remover +
uninstaller for Windows XP/newer:
http://www.ccleaner.com/ccleaner/download/
Download [Installer EXE + Portable ZIP]:
http://www.ccleaner.com/ccleaner/builds/
CCleaner Free Guide + Review:
http://www.lifewire.com/ccleaner-review-2625143/
More info, guides + tools:
- MDGx "Digital + Internet/Online Privacy, Safety + Security" chapter
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%2
0%5B%2A%5D
-> "@ Chromium/Chrome web browsers + alternatives/derivatives/forks/variants"
http://www.mdgx.com/7.php#:~:text=%40%20Chromium%2FChrome%20web%20browsers%20%2B%20alternatives%2Fderivatives%2Fforks%2Fvariants%20%5B%2A%
5D
section in WINDOWS7.TXT (this file).
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
- MDGx collection of Chromium/Chrome web browsers -> "Chromium + Chrome" section in SOFTWARE.TXT (included):
http://www.mdgx.com/nettoys.htm#CHR
- MDGx collection of essential + useful Chromium/Chrome extensions + tweaks -> "CHROMIUM" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php#:~:text=CHROMIUM%2FCHROME%20%5B%2A%5D
```

http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
_____

Put A Pin In It!

* Pin (stick) any file/executable/shortcut/icon/link/URL/etc to Taskbar in Windows 7:
http://www.howtogeek.com/66670/from-the-tips-box-pin-any-file-to-the-taskbar/
1. Desktop -> right-click -> New -> Shortcut -> create an empty place holder file (example): New Text Document (.txt).
2. Rename this file extension (the group of letters after the last dot) from txt to exe.
3. Drag it onto the Taskbar to pin it.
4. Go to this directory/folder:
%UserName%\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch\User Pinned\TaskBar
5. Replace this empty file with a real shortcut to your actual file/executable/shortcut/icon/link/URL/etc.
You must rename your newly created shortcut to match exactly the already pinned file name shortcut (if any)!
6. Force Taskbar icons to refresh: Task Manager -> restart Windows (File) Explorer, log/sign back in, or restart/reboot Windows.

* Repair/customize Pin to Taskbar function + add more file types to the Pin to Taskbar right-click menu:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
"ImplementsVerbs"="taskbarpin;taskbarunpin"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\CLSID\{90AA3A4E-1CBA-4233-B8BB-535773D48449}\InProcServer32]
@=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,5c,73,\
  68,65,6c,6c,33,32,2e,64,6c,6c,00
"ThreadingModel"="Apartment"
[HKEY_LOCAL_MACHINE\Software\Classes\*\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.lnk\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\lnkfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.bat\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\batfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.cmd\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\cmdfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.php\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\phpfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.hta\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\htafile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.htt\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\httfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.reg\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\regfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\.txt\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\txtfile\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\Directory\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\Software\Classes\Drive\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\MSILink\shellex\ContextMenuHandlers\{90AA3A4E-1CBA-4233-B8BB-535773D48449}]
@="Taskband Pin"
;
------End cut & paste here------
```

* Enable Pin to Taskbar/Start Menu right-click shell context menu items/links/shortcuts for

addresses/apps/files/folders/documents/items/links/schemes/shortcuts:
http://www.sevenforums.com/tutorials/5547-taskbar-pinned-programs-enable-disable.html
http://www.helpdeskgeek.com/windows-7/pin-to-taskbar-missing-in-windows-7/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\Software\Policies\Microsoft\Windows\Explorer]
"NoPinningToTaskbar"=-
"TaskbarNoPinnedList"=-
[HKEY_CURRENT_USER\Software\Policies\Microsoft\Windows\Explorer]
"NoPinningToTaskbar"=-
"TaskbarNoPinnedList"=-
[HKEY_USERS\.DEFAULT\Software\Policies\Microsoft\Windows\Explorer]
"NoPinningToTaskbar"=-
"TaskbarNoPinnedList"=-
;
------End cut & paste here------
```

* Pin to Taskbar: Add to/remove from right-click shell context menu in Windows 7:
http://www.sevenforums.com/tutorials/196235-pin-taskbar-add-remove-context-menu-windows-7-a.html

* Pin an External Drive to Taskbar in Windows 7:
http://www.howtogeek.com/howto/27903/how-to-pin-an-external-drive-to-the-windows-7-taskbar/

* Pin Special Items to Taskbar:
http://www.digitalcitizen.life/how-pin-special-windows-shortcuts-taskbar/

* Pin to Taskbar Command Prompt Utility [syspin.exe] DOS console command line tool 64-bit for Windows 7/newer 64-bit (x64):
http://www.technosys.net/products/utils/pintotaskbar
File:
http://www.technosys.net/download.aspx?file=syspin.exe
syspin.exe command line options, switches + parameters:
http://www.technosys.net/images/products/syspin1.jpg

```
----------snippity-snip----------
Usage:
syspin.exe ["letter:\filepath\filename.extension"] #####
or
syspin.exe ["letter:\filepath\filename.extension"] "command string"
#####s (numbers) and corresponding command strings:
5386 : Pin to Taskbar:
"%UserProfile%\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch\User Pinned\TaskBar"
5387 : Unpin from Taskbar
51201 : Pin to Start:
"%UserProfile%\AppData\Roaming\Microsoft\Windows\Start Menu\Programs"
51394 : Unpin from Start
Samples:
syspin.exe "%ProgramFiles%\Internet Explorer\iexplore.exe" 5386
syspin.exe "C:\WINDOWS\notepad.exe" "Pin to Taskbar"
syspin.exe "%WinDir%\SYSTEM32\notepad.exe" "Pin to Start"
syspin.exe "%WinDir%\SYSTEM32\notepad.exe" "Unpin from Taskbar"
syspin.exe "C:\WINDOWS\SYSTEM32\notepad.exe" 51201
NOTE:
You canNOT pin any live/metro/screen/start/tile UWP (Universal Windows Platform) app/gadget/widget or batch/script file/item. :-(
----------snippity-snip----------
```

XP -> 7/8/8.1 Easy Transfer Files + Settings

Most of these apply to all Windows 7/newer builds/editions/releases/versions.

* Default System (all managed/registered users on the same machine/system) + User (only current logged on/signed in user) built-in/default/forced/hardwired/locked/preset "special" directories/folders (hard links = LDIDs) names, locations, equivalents + transition: Windows XP/2003 -> Windows Vista/2008/7/8/8.1/2012:
http://en.wikipedia.org/wiki/Special_folder
http://www.nirsoft.net/utils/special_folders_view.html
http://social.technet.microsoft.com/wiki/contents/articles/6083.windows-xp-folders-and-locations-vs-windows-7-and-vista.aspx
Most of these "special" directories/folders are valid, and can be found in Windows 10/2016/2019/2022/11/2025/newer OSes.
Default Windows NTx installation drive/partition/volume is C -> C:\ = root directory/folder.

```
XP/2003:                 C:\Documents and Settings\All Users\Start Menu
Vista/2008/7/8/8.1/2012: C:\ProgramData\Microsoft\Windows\Start Menu
```

XP/2003:   C:\Documents and Settings\%UserName%\Application Data\Microsoft\Internet Explorer\Quick Launch
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch

XP/2003:   C:\Documents and Settings\All Users\Desktop
Vista/2008/7/8/8.1/2012: C:\Users\Public\Desktop

XP/2003:   C:\Documents and Settings\All Users\Application Data\PROGRAM_NAME
Vista/2008/7/8/8.1/2012: C:\ProgramData\PROGRAM_NAME

XP/2003:   C:\Documents and Settings\%UserName%\Application Data\PROGRAM_NAME
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\AppData\Local\PROGRAM_NAME

XP/2003:   C:\Documents and Settings\All Users
Vista/2008/7/8/8.1/2012: C:\ProgramData

XP/2003:   C:\Downloads
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Downloads

XP/2003:   C:\Users\%UserName%\Documents\My Pictures
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Pictures

XP/2003:   C:\Users\%UserName%\Documents\My Music
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Music

XP/2003:   C:\Documents and Settings\%UserName%\My Documents
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Documents

XP/2003:   C:\Documents and Settings\%UserName%\My Documents\My Music
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Music

XP/2003:   C:\Documents and Settings\%UserName%\My Documents\My Pictures
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Pictures

XP/2003:   C:\Documents and Settings\%UserName%\My Documents\My Videos
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Videos

XP/2003:   C:\Documents and Settings\%UserName%\Application Data
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\AppData\Roaming

XP/2003:   C:\Documents and Settings\%UserName%\Local Settings
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\Local

XP/2003:   C:\Documents and Settings\%UserName%\Start Menu
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Start Menu

XP/2003:   C:\Documents and Settings\%UserName%\Templates
Vista/2008/7/8/8.1/2012: C:\Users\%UserName%\AppData\Roaming\Microsoft\Windows\Templates

XP/2003:   C:\Documents and Settings\All Users\Start Menu
Vista/2008/7/8/8.1/2012: C:\ProgramData\Microsoft\Windows\Start Menu

XP/2003:   C:\Documents and Settings\Default User
Vista/2008/7/8/8.1/2012: C:\Users\Default

See also "* Link Directory IDentifier (LDID)/DIRectory IDentifier (DIRID)/Decentralized IDentifier (DID)" +
"* List of System (all managed/registered users on the same machine/system) + User (only current/logged on/signed in user)
Shell Folders in Windows Vista/newer:"
topics in WINDOWS7.TXT (this file) further above:
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf

* Windows Easy Transfer (WET) from XP/Vista to 7 [and beyond...]:
http://technet.microsoft.com/library/ff943667.aspx
- WET 32-bit for XP 32-bit:
http://www.microsoft.com/download/details.aspx?id=4503
- WET 64-bit for XP 64-bit:
http://www.microsoft.com/download/details.aspx?id=9926
- WET 32-bit for Vista 32-bit:
http://www.microsoft.com/download/details.aspx?id=14179
- WET 64-bit for Vista 64-bit:
http://www.microsoft.com/download/details.aspx?id=20483
- WET 32-bit for XP 32-bit (x86) + WET 64-bit for XP 64-bit (x64):
http://www.microsoft.com/download/details.aspx?id=7349
WET XP/Vista -> 7 Guide:
http://petri.com/transfer-user-files-and-settings-from-windows-xpvista-to-windows-7/
http://www.howtogeek.com/howto/3179/migrate-xp-to-windows-7-with-easy-transfer-and-a-usb-drive/

* Windows XP to 7 Hard Link Migration (HLM) of User Files + Settings:
http://www.microsoft.com/download/details.aspx?id=18913
HLM DOCument [DOC format, right-click to save]:

http://download.microsoft.com/download/8/9/D/89DC758B-3E81-42F6-84E1-E3E9AD790196/Windows%20XP%20to%20Windows%207%20Hard-Link%20Migration%20of%20User%20Files%20and%20Settings.docx
_____

Turn OFF/ON Windows Features

* Enable and Disable Windows Features in Windows XP/newer:
http://www.helpdeskgeek.com/how-to/enable-and-disable-windows-features/

* Remove Windows Features You Don't Need:
http://www.itprotoday.com/windows-7-tip-week-remove-windows-features-you-dont-need/

* Windows Features You Can Add or Remove:
http://www.digitalcitizen.life/what-are-those-windows-features-you-can-add-or-remove/

* Turn Windows 7 Features ON or OFF:
http://www.techsupportalert.com/content/how-turn-windows-7-features-or.htm
_____

Tweak Windows 7/7 SP1 Services

* See also MDGx "Tweak Windows 10/11 Services" chapter in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf

* See also MDGx "Tweak Windows 8/8.1 Services" chapter in WINDOWS8.TXT (included):
http://www.mdgx.com/8.php
http://www.mdgx.com/WINDOWS8.TXT
http://www.mdgx.com/WINDOWS8.pdf

* Disable/(re)enable, stop/(re)start, clean/repair/restore + customize/optimize/tweak Windows 7/newer interconnected/interdependent/interrelated services + drivers responsible for/contributing to/involved in/related to dangerous/insecure/unsafe, undesirable/unnecessary/unneeded/unused/useless/unwanted, automatic/unattended behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission, annoying/bloat/resources consuming, diagnostic tracking, telemetry ("phone home"), data collection/logging, customer "experience", "offers", ad(ware)/fingerprinting/profiling/spyware/surveillance/tracking, privacy/safety/security flaws/vulnerabilities:
View/(Re)Start/Stop/(Re)Enable/Disable, set to Disabled/Manual/Automatic Windows Services + Drivers -> Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type this command
services.msc
-> press Enter -> (re)enable [Boot = 0, System = 1, Automatic (triggered) = 2, Automatic (Delayed Start) (triggered) = 2 or Manual (triggered) = 3], disable [Disabled = 4], customize/optimize/tweak Windows (User) Services + Drivers after learning about them -> continue reading...
Services.msc is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
Management Saved Console (.msc) script files are associated by default with and executed by Microsoft Management Console (MMC.EXE) snap-in control tool, and most of them are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
http://en.wikipedia.org/wiki/Microsoft_Management_Console
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
FYI:
****
- Your custom/specific choices/features/functions/needs/options/preferences/settings and devices/hardware/software/services/drivers for specific pairs/batches/groups of interconnected/interdependent/interrelated services + drivers may be different depending on what you do with your computer(s)/portable(s)/device(s), and/or what (combination of) devices/hardware/software/services/drivers you are using.
- Make sure to review carefully each service documentation, and most importantly each service "Dependencies" tab as shown in SERVICES.MSC *before* disabling them (example):
http://www.thewindowsclub.com/wp-content/uploads/2018/05/Windows-10-Service-Dependencies.png
RegEdit.exe:
****
http://learn.microsoft.com/troubleshoot/windows-server/performance/windows-registry-advanced-users/
http://www.ss64.com/nt/regedit.html
http://www.mdgx.com/reg.htm#RER
http://www.windowscentral.com/how-start-and-stop-services-windows-10/
Certain services Microsoft deems mandatory they should be enabled and running at all times because they may either affect proper functionality/operation [interconnected/interdependent/interrelated], or for their own purposes [see above for details], but which may not (always) align/coincide with your needs/preferences are locked + protected, and therefore they canNOT be stopped, disabled and/or modified/customized from within the services.msc interface due to Windows registry protection lockups, no matter your user level/privileges/rights, even if logged in as Administrator/Owner/Sysadmin/SYSTEM.
In (most) such cases the most obvious solution is to do it by hand by using the Registry Editor (%WinDir%\RegEdit.exe)

[%WinDir% = usually C:\WINDOWS]:
Right-click RegEdit or its shortcut/icon/link -> Run as Administrator -> go to this registry subkey:
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
and then to this (backup copy) registry subkey:
HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services
and then to this (backup copy) registry subkey (if present):
HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services
-> click left hand pane desired driver/service name registry subkey [example: DNSCache (DNS Client service)] (if present) ->
double-click right hand pane "Start" DWORD [REG_DWORD] registry value -> change its numeric value to any integer number
between 0 and 4 [see below for details] -> press OK -> exit RegEdit.
http://mistyprojects.co.uk/documents/TinyPXEServer/files/img/regedit2.jpg
http://cdn2.windowswally.com/wp-content/uploads/2015/09/RuntimeBroker.exe-Windows-10-regedit-TimeBroker-Windows-Wally.jpg
Repeat same steps for all 3 registry subkeys above: CurrentControlSet, ControlSet001 + ControlSet002 (if present).
"Start" valid registry DWORD [REG_DWORD] values:
http://smallvoid.com/article/winnt-services-regedit.html
- 0 [dword:00000000] = Boot;
- 1 [dword:00000001] = System;
- 2 [dword:00000002] = Automatic;
- 3 [dword:00000003] = Manual;
- 4 [dword:00000004] = Disabled.
MDGx: "Comprehensive Windows Registry Guide" in RegGuide.txt (included):
http://www.mdgx.com/reg.htm
http://www.mdgx.com/RegGuide.pdf
http://www.mdgx.com/RegGuide.txt
FYI:
****
Microsoft has the habit of locking out and blocking so-called "untrustworthy" users from "messing" with system settings they
deem important/necessary in their opinion for certain features/functions/operations/services/tasks, without any care or
consideration for the needs and/or preferences of their paying customers who use their products on a daily basis, and some
of whom are annoyed, bothered, dissatisfied, frequently interrupted by, and/or those who do not need some of those
features/functions/operations/services/tasks, and would like them changed, disabled, uninstalled, etc in order to eliminate
annoyances, bloat, deceitful, dubious, forced, hidden, intrusive, unnecessary, unsafe, untrustworthy, unwanted, and/or
without approval/authorization/consent/knowledge/permission features/functions/operations/services/tasks, and optimize
routine performance.
But protected services that refuse to be disabled or to have their status changed from within SERVICES.MSC can be
disabled/(re)enabled using RegEdit:
right-click RegEdit (%WinDir%\REGEDIT.EXE) [%WinDir% = usually C:\WINDOWS] or its shortcut/icon/link -> Run as Administrator
-> go/scroll down to + click/highlight desired left hand pane service registry (sub)key name -> double-click desired right
hand pane registry value -> change its value -> press OK -> exit RegEdit.
In case the above does not work 1st you may need to unblock/disable/remove built-in default protection for certain registry
(sub)keys:
right-click RegEdit (%WinDir%\REGEDIT.EXE) [%WinDir% = usually C:\WINDOWS] or its shortcut/icon/link -> Run as Administrator
-> go/scroll down to + right-click desired left hand pane registry (sub)key name -> select Permissions... -> under
"Permissions for [Administrators or your user name]" check Allow "Full Control" + Allow "Read" boxes -> UNcheck Deny "Full
Control" + Deny "Read" boxes -> press OK -> exit RegEdit.
NET.EXE, NETSH.EXE, REG.EXE, SC.EXE + WMIC.EXE:
****
Another option is to use (in combination or separately) these 5 Windows NTx DOS console command line tools:
- Net(work) Resources Manager [NET.EXE];
http://learn.microsoft.com/troubleshoot/windows-server/networking/net-commands-on-operating-systems/
http://www.ss64.com/nt/net-service.html
- Net(work) Sh(ell) (NetSh) [NETSH.EXE];
http://learn.microsoft.com/windows-server/networking/technologies/netsh/netsh-contexts/
http://learn.microsoft.com/windows-server/administration/windows-commands/netsh/
http://www.ss64.com/nt/netsh.html
- Reg(istry) Editor + Manager [REG.EXE];
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
http://www.mdgx.com/reg.htm#BNR
- S(ervice) C(ontrol) [C(onfiguration)] [SC.EXE];
http://learn.microsoft.com/windows/win32/services/controlling-a-service-using-sc/
http://learn.microsoft.com/windows-server/administration/windows-commands/sc-config/
http://www.ss64.com/nt/sc.html
- W(indows) M(anagement) I(nstrumentation) C(ommand) [WMIC.EXE].
http://learn.microsoft.com/windows/win32/wmisdk/wmic/
http://learn.microsoft.com/windows/win32/wmisdk/wmi-start-page/
http://www.ss64.com/nt/wmic.html
WMIC has been deprecated starting with Windows 10 21H1, correspondent Windows Server 2022 + all newer
builds/editions/releases/updates/versions:
http://learn.microsoft.com/windows/whats-new/deprecated-features/
NOTES:
******
All these executables (.exe) require you to be logged on, or must be executed/run with elevated
access/permissions/privileges/rights as Admin(istrator)/SYSTEM/Sysadmin:
http://www.ss64.com/nt/syntax-elevate.html
A. Temporary [per app(lication)/command/executable (.exe)/session] FIX:
Windows Vista/newer users -> start a DOS console command prompt session [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD
shortcut/CMD.EXE -> Run as Administrator.
OR
Use an elevation tool separately for each individual app(lication)/command/executable (.exe)/session [free(ware) examples]:
- AdvancedRun [AdvancedRun.exe] 32-bit + 64-bit GUI interface + DOS console command line tool for Windows Vista/newer
32-bit + 64-bit runs any app/batch/command/executable/function/process/program/script/service/task/tool as

Administrator/SYSTEM/TrustedInstaller/any user with elevated/highest/protected privileges/rights, compatibility, environment, ownership, permissions, priority, properties, useful for task automation in BATch (.BAT), CoMmanD (.CMD) + Visual Basic Script (.VBS) files, highly customizable:
http://www.nirsoft.net/utils/advanced_run.html
AdvancedRun 64-bit:
http://www.nirsoft.net/utils/advancedrun-x64.zip
AdvancedRun 32-bit:
http://www.nirsoft.net/utils/advancedrun.zip
Run Programs as SYSTEM:
http://www.winhelponline.com/blog/run-program-as-system-localsystem-account-windows/
Run Programs as TrustedInstaller:
http://www.winhelponline.com/blog/run-program-as-trustedinstaller-locked-registry-keys-files/
- SetACL [SetACL.exe 32-bit + SetACL.exe 64-bit] 32-bit + 64-bit DOS console command line tool for Windows Vista/newer enables/disables/changes/elevates NTFS ACL permissions + ownership for local/remote files/(sub)directories, registry (sub)keys, devices/objects/services:
http://helgeklein.com/setacl/
Download:
http://helgeklein.com/download/#download-setacl
SetACL Command Line Documentation:
http://helgeklein.com/setacl/documentation/command-line-version-setacl-exe/
SetACL Examples:
http://helgeklein.com/setacl/examples/
Wikipedia: SetACL:
http://en.wikipedia.org/wiki/SetACL
- Elevate [elevate.exe 32-bit + elevate.exe 64-bit] 1.3.0 32-bit + 64-bit DOS console command line tool runs any app/batch/command/executable/function/process/program/script/service/task/tool as Administrator with elevated/highest/protected privileges/rights, useful for task automation in BATch (.BAT), CoMmanD (.CMD) + Visual Basic Script (.VBS) files:
http://code.kliu.org/misc/elevate/
File [Portable 7-Zip]:
http://code.kliu.org/misc/elevate/elevate-1.3.0-redist.7z
- See also "NTFS ACL + OWNER" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
B. Permanent (per local/network user) FIX:
Disable User Account Control (UAC) in:
- Windows 10/2016/2019/2022/11/2025:
http://www.tenforums.com/tutorials/3577-user-account-control-uac-change-settings-windows-10-a.html
- Windows 8/2012/8.1/2012 R2:
http://www.eightforums.com/tutorials/5509-user-account-control-uac-change-settings-windows-8-a.html
- Windows 7/2008 R2:
http://www.petri.com/disable-uac-in-windows-7/
- Windows Vista/2008:
http://www.petri.com/disable_uac_in_windows_vista/
User Account Control (UAC) tweaking tools [free(ware)]:
- UAC Pass:
http://sites.google.com/site/freeavvarea/uac-pass/uac-pass/
- TweakUAC:
http://www.winability.com/tweak-uac/
- Disable UAC:
http://www.majorgeeks.com/files/details/disable_uac.html
NET.EXE, NETSH.EXE, REG.EXE + SC.EXE executables (.exe) are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
WMIC.EXE executable (.exe) is located in the %WinDir%\SYSTEM32\WBEM directory/folder.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)
PATH>C:\Windows_PATH_Directories.txt
-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Example using same service above [DNSCache (DNS Client service)] -> stop + disable DNSCache service:
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type these commands in this specific order
ECHO Y|NET.EXE STOP DNSCache
SC.EXE CONFIG DNSCache START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\services\DNSCache" /v Start /t REG_DWORD /d 4 /f
-> press Enter after each line.
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
PowerShell.exe:
****
http://learn.microsoft.com/powershell/module/microsoft.powershell.management/set-service/

http://www.ss64.com/ps/powershell.html
http://www.ss64.com/ps/
http://www.ss64.com/ps/set-service.html
http://www.windowscentral.com/how-start-and-stop-services-windows-10/
PowerShell [%WinDir%\SYSTEM32\WindowsPowerShell\v1.0\PowerShell.exe] is a task automation + configuration manager command line shell environment + interpreter tool capable of using text/ASCII command line Script/BATch files (.ps1).
http://en.wikipedia.org/wiki/PowerShell
PowerShell requires Microsoft .NET Framework core + components, which are preinstalled on all Windows Vista/newer releases, and (usually) updated automatically via Windows Update (WU) service [WuauServ]:
http://www.mdgx.com/add.htm#NFR
PowerShell is a better, more advanced alternative to the standard DOS console CoMmanD line prompt interpreter tool [%WinDir%\SYSTEM32\CMD.EXE].
http://en.wikipedia.org/wiki/Cmd.exe
Start + Stop Drivers + Services manually in Windows 7/newer -> "How to Manage Services from PowerShell" section:
http://www.windowscentral.com/how-start-and-stop-services-windows-10/#section-how-to-manage-services-from-powershell
Windows NTx Services + Drivers Information, Reference, Guidelines, Tutorials, Customization, Optimization:
****
- Windows 7 SP1 Services Configuration:
http://www.blackviper.com/service-configurations/black-vipers-windows-7-service-pack-1-service-configurations/
- Windows 7 Services Configuration:
http://www.blackviper.com/service-configurations/black-vipers-windows-7-service-configurations/
- Windows 7/7 SP1 Services:
http://batcmd.com/windows/7/services/
- Windows 7/7 SP1 Service Defaults:
http://revertservice.com/7/
- Windows Services Encyclopedia:
http://www.windows-security.org/windows-services-encyclopedia/
- Windows 7/7 SP1: Disabling Unneeded Services:
http://sourcedaddy.com/windows-7/disabling-unneeded-services.html
- Restore Default Services in Windows 7/newer:
http://www.majorgeeks.com/content/page/restore_or_verify_default_services_in_windows_7_10.html
- Windows 8/8.1 Services:
http://batcmd.com/windows/8/services/
- List of all Windows Services:
http://www.blackviper.com/windows-services/
- List of all Running, Stopped + Disable Windows Services:
http://www.thewindowsclub.com/extract-list-of-running-stopped-disabled-services/
- Windows 10/11 Services Configuration:
http://www.blackviper.com/service-configurations/black-vipers-windows-10-service-configurations/
- Windows 11 Services:
http://batcmd.com/windows/11/services/
- Windows 10 Services:
http://batcmd.com/windows/10/services/
- Windows 11 Default Windows Services Configuration:
http://www.smartpcutilities.com/windows-11-default-services-configuration.html
- Windows 10/11 Service Defaults:
http://revertservice.com/10/
- Windows 8.1 Services Configuration:
http://www.blackviper.com/service-configurations/black-vipers-windows-8-1-service-configurations/
- Windows 8 Services Configuration:
http://www.blackviper.com/service-configurations/black-vipers-windows-8-service-configurations/
- Windows 8/8.1 Services List that can be Disabled Safely:
http://www.askvg.com/windows-8-services-configuration-turn-off-disable-background-services-to-improve-system-performance/
- Windows 7 Disable Unnecessary Services:
http://sites.google.com/site/100pricin/speeding-up-your-pc/disable-unnecessary-services/
- Windows Vista SP2 Services Configuration:
http://www.blackviper.com/service-configurations/black-vipers-windows-vista-service-pack-2-service-configurations/
- Windows XP SP3 Services Configuration:
http://www.blackviper.com/WinXP/servicecfg.htm
- Windows XP Services Guide:
https://web.archive.org/web/20171129164138/http://www.theeldergeek.com/services_guide.htm
- Windows XP Services Tweak Guide:
http://www.techspot.com/tweaks/winxp_services/
- Windows XP Services Removal Guide:
http://www.overclockersclub.com/guides/windows_xp_services/
- Windows 2000 SP4+ Services Configuration:
http://www.blackviper.com/WIN2K/servicecfg.htm
- Use Registry Editor to change Service state:
http://smallvoid.com/article/winnt-services-regedit.html
- Wikipedia: Windows Service:
http://en.wikipedia.org/wiki/Windows_service
- Wikipedia: List of Windows Services:
http://en.wikipedia.org/wiki/List_of_Microsoft_Windows_components#Services
- Wikipedia: Category -> Windows Services:
http://en.wikipedia.org/wiki/Category:Windows_services
Disable individual + interconnected/interdependent/interrelated services in groups +/- separately [if + where applicable]:
http://en.wikipedia.org/wiki/List_of_Microsoft_Windows_components#Services
http://www.file.net/process/fmapp.exe.html
http://teckangaroo.com/what-is-connected-devices-platform-service/
http://www.thewindowsclub.com/what-is-connected-devices-platform-service-cdpsvc/
http://appuals.com/what-is-the-connected-devices-platform-service-and-should-it-be-disabled/
http://learn.microsoft.com/previous-versions/windows/desktop/qos/link-layer-topology-discovery-protocol/

http://social.technet.microsoft.com/Forums/en-US/f933e03b-e157-4a1d-9916-8cfeb11ad2fc/
http://www.newnettechnologies.com/disable-windows-services.html
http://www.poppelgaard.com/how-to-determine-usb-drivers-are-configured-correctly-on-the-online-plug-in/
http://www.xda-developers.com/disable-windows-background-services-boost-performance/
See also:
- MDGx "Tweak Windows 10/11 Services" chapter in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
- MDGx "Tweak Windows 8/8.1 Services" chapter in WINDOWS8.TXT (included):
http://www.mdgx.com/8.php
http://www.mdgx.com/WINDOWS8.TXT
http://www.mdgx.com/WINDOWS8.pdf
- MDGx "HOSTS Files, Guides + Tools" -> "NOTE 2: DNS Client Service" -> "More info:":
http://www.mdgx.com/hosts.php#N2
- MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" -> "SERVICES" section in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* Autoruns 32-bit + 64-bit GUI interface (Autoruns.exe 32-bit + Autoruns64.exe 64-bit) + DOS console command line (Autorunsc.exe 32-bit + Autorunsc64.exe 64-bit) registry + startup tools add/disable/edit/enable/rename/remove any/all automated/built-in/default/forced/hardwired/locked/preset/unattended (auto)load/(auto)run entries: boot/logon/startup apps, drivers, executables (.exe), gadgets (.gadget), loading/registered APIs/DLLs (.dll), programs, services, scripts (.bat, .cmd, .reg, .vbs, etc), scheduled tasks (.job), highly customizable:
http://learn.microsoft.com/sysinternals/downloads/autoruns/
File:
http://download.sysinternals.com/files/Autoruns.zip

* ServiWin 32-bit + 64-bit displays, stops/(re)starts, pauses/continues + disables/(re)enables Windows services + drivers:
http://www.nirsoft.net/utils/serviwin.html
ServiWin 64-bit:
http://www.nirsoft.net/utils/serviwin-x64.zip
ServiWin 32-bit:
http://www.nirsoft.net/utils/serviwin.zip
Create complete Drivers + Services HTML Report(s):
ServiWin -> Help -> Run As Administrator [or hold Ctrl + press F11] -> View -> HTML Report - All Items.

* NSSM [Non-Sucking Service Manager] 32-bit + 64-bit for Windows 8/newer GUI interface + DOS console command line tool edits/manages, enables/disables, starts/stops Windows services:
http://nssm.cc/
Download [Portable ZIP]:
http://nssm.cc/download/
NSSM Usage:
http://nssm.cc/usage/
NSSM Command Line Usage:
http://nssm.cc/commands/
NSSM Repository:
http://github.com/kirillkovalenko/nssm/

* Windows Service Master (WSM) displays, stops/(re)starts, + uninstalls Windows services + drivers:
http://www.itsamples.com/windows-service-master.html
File:
http://www.itsamples.com/downloads/windows-service-master.zip

* Easy Service Optimizer (ESO) disables/stops unneeded/unnecessary/bloat services:
http://www.sordum.org/8637/
File:
http://www.sordum.org/files/easy-service-optimizer/eso.zip

* SrvMan 32-bit + 64-bit command line + front end GUI interface changes/creates/deletes Windows services + drivers:
http://sysprogs.com/legacy/tools/srvman/
File [Portable 7-Zip]:
http://sysprogs.com/getfile/411/srvman-1.0.7z

* Mz Services Manager 32-bit + 64-bit:
http://www.mztweak.com/mzservicesmanager.html
File:
http://www.mztweak.com/download/mzservices.exe

* To tweak all available Windows services depending on your installed Windows NTx OS build/edition/release/update/version + bit strength [32-bit (x86) or 64-bit (x64)]: right-click on SERVICES.HTA (included)
http://www.mdgx.com/SERVICES.HTA
-> Run as Administrator [will open by default in Internet Explorer (IE) web browser] -> scroll down the list -> tweak available (listed) services: Automatic, Manual (Demand) or Disabled -> click "Save Changes" button.
To view a list of all running Windows services from within SERVICES.HTA: click "View SERV_LOG.TXT" button (will be saved by default in the same directory/folder where SERVICES.HTA resides) -> double-click on SERV_LOG.TXT -> will open in your Notepad/similar/better plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
associated with text (.txt) files as default program.
HTML Application (HTA):
http://en.wikipedia.org/wiki/HTML_Application

MDGx SERVICES.HTA = based on JSWare XPFix XPFixServ.hta script:
http://www.jsware.net/jsware/xpfix.php5
XPFix (freeware):
http://www.jsware.net/jsware/zips/fixpack.zip

* Save/view/print different types of lists + details for all/enabled/running/specific Windows Services from a DOS console or PowerShell command line, and these tasks can be automated by running them as Administrator from within plain text BATch (.bat) or CoMmanD (.cmd) script files:
http://learn.microsoft.com/powershell/module/microsoft.powershell.management/get-service/
http://www.shellhacks.com/windows-list-services-cmd-powershell/
http://www.thewindowsclub.com/extract-list-of-running-stopped-disabled-services/
http://serverfault.com/questions/203471/
Save your list(s) + details for all your enabled/disabled/manual/running/stopped services to text file(s) from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (examples):
NET.EXE START>SVC_STARTED.TXT
WMIC.EXE SERVICE list full /format:list>SVC_FULL.TXT
WMIC.EXE SERVICE list>SVC_LIST.TXT
WMIC.EXE path Win32_Service where state='Running' get /format:csv>SVC_LIST.CSV
TASKLIST.EXE /SVC /FI "imagename eq svchost.exe">SVC_HOST.TXT
TASKLIST.EXE /SVC | FIND.EXE "svchost.exe">SVC_HOST2.TXT
TASKLIST.EXE /SVC>SVC_TASK.TXT
SC.EXE QUERY state= all|FINDSTR.EXE "DISPLAY_NAME STATE">SVC_STATE.TXT
SC.EXE QUERY type= service>SVC_ALL.TXT
WMIC.exe executable is located in the %WinDir%\SYSTEM32\wbem directory/folder [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
WMIC (Windows Management Instrumentation Command):
http://learn.microsoft.com/windows/win32/wmisdk/wmic/
MS DOCs: WMIC - Take Command Line Control over WMI:
http://technet.microsoft.com/library/bb742610.aspx
Dedoimedo: WMIC - The Windows secret weapon:
http://www.dedoimedo.com/computers/windows-wmic.html
ComputerHope: WMIC:
http://www.computerhope.com/wmic.htm
Rob van der Woude: WMIC:
http://www.robvanderwoude.com/wmic.php
quux: WMIC Snippets:
http://quux.wiki.zoho.com/WMIC-Snippets.html
SS64: WMIC.EXE:
http://www.ss64.com/nt/wmic.html
Wikipedia: WMI:
http://en.wikipedia.org/wiki/Windows_Management_Instrumentation
You can also use PowerShell commands: right-click PowerShell shortcut or C:\WINDOWS\System32\WindowsPowerShell\v1.0\PowerShell.exe [default location] -> Run as Administrator -> type these commands (examples)
Get-Service | Where-Object {$_.Status -eq "Running"} | Out-File -filepath "SVC_RUNNING.TXT"
Get-Service | Where {$_.Status -eq "Running"} | Export-Csv -path "SVC_RUNNING.CSV"
Get-WmiObject win32_service | select Name, DisplayName, State, PathName | Export-Csv -path "SVC_RUN.CSV"
-> press Enter after each line.
All text files above will be saved by default in the directory/folder you're running these executables or DOS/PowerShell consoles from, unless you've specified a different/specific destination. To change destination you need to add the full path (drive letter + directory/folder name) in front of each text file (C:\Services used in this example):
NET.EXE START>C:\Services\SVC_STARTED.TXT
View all these ANSI/Unicode text files using Notepad/similar/better free(ware) plain text/ASCII editor/viewer:
http://www.mdgx.com/toy.htm#TXT

* Turn OFF Windows Enterprise Vista/newer + Windows Server 2008/newer BranchCache [PeerDistSvc] service used only for Wide Area Network (WAN) bandwidth optimization if not deploying/maintaining/running/servicing a WAN network hosted on, or from your business/education/enterprise/personal/private computer(s)/server(s):
http://learn.microsoft.com/windows-server/networking/branchcache/branchcache/
http://learn.microsoft.com/windows-server/networking/core-network-guide/cncg/bc-hcm/1-deploy-bc-hcm/
http://searchenterprisedesktop.techtarget.com/definition/Microsoft-Windows-BranchCache/
http://en.wikipedia.org/wiki/Wide_area_network
Disable BranchCache [PeerDistSvc] service from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
ECHO Y|NET.EXE STOP PeerDistSvc
SC.EXE CONFIG PeerDistSvc START= disabled
OR:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PeerDistSvc]
"Start"=dword:4

```
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\PeerDistSvc]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\PeerDistSvc]
"Start"=dword:4
;
------End cut & paste here------
```

Turn OFF Action/Security Center + Notifications/Messages

Most of these apply to all Windows 7/newer builds/editions/releases/versions.

* See also "* Turn OFF Windows 10/11 Push Notification Services (WNS) [WpnService + WpnUserService], automatic install, Action Center" topic under "Turn OFF/Remove Windows 10 Adware, Spyware, Security Flaws + Repair/Restore Privacy" chapter in WIN10.TXT (included):
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf
Most of those tweaks apply to Windows 7/8/8.1.

* Turn OFF/stop/disable Windows Security Center (WSC) service [wscsvc] from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
```
ECHO Y|NET.EXE STOP wscsvc
SC.EXE CONFIG wscsvc START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\services\wscsvc" /v Start /t REG_DWORD /d 4 /f
```
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html

* Turn OFF Action/Defender/Security Center + annoying balloon tips/security/taskbar/tile/toast notifications/messages/pop-ups in Windows 7/newer:
http://www.tenforums.com/tutorials/105486-enable-disable-notifications-windows-security-windows-10-a.html
http://www.heelpbook.net/2019/windows-10-disable-notifications-and-notifications-balloons/
http://www.techrepublic.com/article/how-to-change-windows-10-toast-notifications-into-balloon-notifications/
http://www.askvg.com/secret-trick-to-disable-turn-off-annoying-feature-advertisement-balloon-notifications-in-windows-7/
http://admx.help/?Category=Windows_10_2016&Policy=Microsoft.Policies.TaskBar2::TaskbarNoNotification
http://www.groovypost.com/howto/windows-8-7-disable-notification-balloons-taskbar/
http://www.howtogeek.com/howto/windows-vista/disable-all-notification-balloons-in-windows-vista/
http://www.heelpbook.net/2019/windows-10-disable-notifications-and-notifications-balloons/
http://www.technorms.com/24581/
http://smallvoid.com/article/winnt-balloon-tip.html
http://superuser.com/questions/883745/
http://social.technet.microsoft.com/forums/en-us/c5b66543-5b2f-4399-946a-bbd4fa4baccc/
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer]
"DisableActionCenter"=dword:1
"DisableNotificationCenter"=dword:1
"DisableSearchBoxSuggestions"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer]
"DisableActionCenter"=dword:1
"DisableNotificationCenter"=dword:1
"DisableSearchBoxSuggestions"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer]
"DisableActionCenter"=dword:1
"DisableNotificationCenter"=dword:1
"DisableSearchBoxSuggestions"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\Explorer]
"DisableActionCenter"=dword:1
"DisableNotificationCenter"=dword:1
"DisableSearchBoxSuggestions"=dword:1
"HideSCAHealth"=dword:1
[HKEY_CURRENT_USER\Software\Policies\Microsoft\Windows\Explorer]
"DisableActionCenter"=dword:1
"DisableNotificationCenter"=dword:1
"DisableSearchBoxSuggestions"=dword:1
"HideSCAHealth"=dword:1
[HKEY_USERS\.DEFAULT\Software\Policies\Microsoft\Windows\Explorer]
"DisableActionCenter"=dword:1
```

```
"DisableNotificationCenter"=dword:1
"DisableSearchBoxSuggestions"=dword:1
"HideSCAHealth"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"HideSCAHealth"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"HideSCAHealth"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"HideSCAHealth"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Security Center\Svc]
"AntiVirusDisableNotify"=dword:1
"FirewallDisableNotify"=dword:1
"UpdatesDisableNotify"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Security Center\Svc]
"AntiVirusDisableNotify"=dword:1
"FirewallDisableNotify"=dword:1
"UpdatesDisableNotify"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Security Center\Svc]
"AntiVirusDisableNotify"=dword:1
"FirewallDisableNotify"=dword:1
"UpdatesDisableNotify"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows Defender Security Center\Notifications]
"DisableEnhancedNotifications"=dword:1
[HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\ImmersiveShell]
"UseActionCenterExperience"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\CloudContent]
"DisableSoftLanding"=dword:1
[HKEY_LOCAL_MACHINE\Software\Policies\Microsoft\Windows\Explorer]
"EnableLegacyBalloonNotifications"=dword:1
"NoBalloonFeatureAdvertisements"=dword:1
[HKEY_CURRENT_USER\Software\Policies\Microsoft\Windows\Explorer]
"EnableLegacyBalloonNotifications"=dword:1
"NoBalloonFeatureAdvertisements"=dword:1
[HKEY_USERS\.DEFAULT\Software\Policies\Microsoft\Windows\Explorer]
"EnableLegacyBalloonNotifications"=dword:1
"NoBalloonFeatureAdvertisements"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"TaskbarNoNotification"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"TaskbarNoNotification"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"TaskbarNoNotification"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"EnableBalloonTips"=dword:0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"EnableBalloonTips"=dword:0
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"EnableBalloonTips"=dword:0
;
------End cut & paste here------

* Turn ON Balloon Tips Taskbar Notifications/Messages in Windows 7/newer:
http://smallvoid.com/article/winnt-balloon-tip.html
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"EnableBalloonTips"=dword:1
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"EnableBalloonTips"=dword:1
[HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced]
"EnableBalloonTips"=dword:1
;
------End cut & paste here------

* Turn OFF all Action/Security Center (Automatic/Scheduled Maintenance) annoying check boxes/messages/notifications/pop-ups
in Windows 7/newer:
http://technet.microsoft.com/library/dd492018.aspx
http://learn.microsoft.com/previous-versions/technet-magazine/images/dd492018.alerts3.jpg.jpg
http://social.technet.microsoft.com/forums/en-us/w7itproui/thread/83dc3de6-70b7-450f-992c-60511e4a6c4f/
http://www.winaero.com/blog/registry-tweak-to-disable-action-center-notifications-in-windows-7/
http://www.thewindowsclub.com/automatic-maintenance-windows-8/
http://www.winhelponline.com/blog/automatic-maintenance-disable-schedule-windows-8-10/
http://www.hongkiat.com/blog/windows-action-center-message/
http://www.thewindowsclub.com/turn-off-security-and-maintenance-messages-in-windows-10/
http://www.tenforums.com/tutorials/40161-manually-start-stop-automatic-maintenance-windows-10-a.html
http://thegeekpage.com/manually-start-and-disable-automatic-maintenance-in-windows-10/
```

http://www.makeuseof.com/how-to-fix-windows-unable-to-run-automatic-maintenance-error/
http://www.isunshare.com/windows-10/turn-security-and-maintenance-messages-off-or-on-in-windows-10.html
Turn OFF/stop all automatic/scheduled maintenance + security actions/functions/tasks from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command:
MSchedExe.exe Stop
-> press Enter.
MicroSoft Schedule Executable (Automatic Maintenance) tool [MSchedExe.exe] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Start button/icon/logo/menu/orb -> Control Panel (CP) or Run... [hold WinKey + press R] -> type this command
control.exe
-> press Enter -> Action Center -> Maintenance -> right hand down arrow -> Automatic Maintenance -> Turn on messages about Automatic Maintenance -> Change maintenance settings -> UNcheck "Allow scheduled maintenanace to wake up my computer at the scheduled time" box -> Action Center -> Change Action Center settings -> Maintenance messages -> UNcheck "Automatic Maintenance" box -> OK.
Start button/icon/logo/menu/orb -> Control Panel (CP) or Run... [hold WinKey + press R] -> type this command
control.exe
-> press Enter -> System and Security category -> Security and Maintenance -> Change Security and Maintenance settings -> Turn messages on or off -> UNcheck all available (colored in black) Security messages and Maintenance messages boxes [unfortunately some are unavailable/grayed out depending on specific OSes/policies/settings/restrictions ;-(] -> OK.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\Maintenance]
"MaintenanceDisabled"=dword:1
[-HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Action Center]
[-HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center]
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{01979c6a-42fa-414c-b8aa-eee2c8202018}.check.100]
"CheckSetting"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\
  01,00,00,00,a1,83,01,f4,91,88,0b,41,99,d1,cd,6e,b8,2a,4c,5d,00,00,00,00,02,\
  00,00,00,00,00,10,66,00,00,00,01,00,00,20,00,00,00,e2,97,b6,5b,6f,60,f3,7b,\
  cf,53,6b,b5,dd,de,0c,32,fb,f9,f1,c9,a8,85,75,4e,23,ce,3e,a7,8d,0e,21,cf,00,\
  00,00,00,0e,80,00,00,00,02,00,00,20,00,00,00,9b,6b,77,a4,52,21,2c,5e,09,d6,\
  47,f4,f5,02,52,bc,79,e8,ce,e2,7e,71,31,32,a3,15,6a,c0,4d,bf,d3,1e,b0,00,00,\
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  7c,43,14,74,72,38,95,aa,53,1c,af,5d,44,42,61,09,27,01,14,54,b3,d8,f5,e5,d1,\
  5c,65,96,23,50,65,35,66,65,9a,e3,da,af,a4,73,e6,0d,39,17,87,4d,1a,40,67,df,\
  f9,51,ef,00,c5,63,d6,01,24,be,43,80,1c,b9,e2,92,dd,7a,e5,8e,5e,45,80,da,a7,\
  22,c8,65,85,04,0e,6d,1d,4b,44,99,52,70,a3,13,e1,d4,bd,da,8a,b0,27,31,5f,f2,\
  29,fb,40,00,00,00,0f,e8,43,32,cd,b1,1d,1d,fa,34,dd,6b,08,25,af,42,62,02,b9,\
  b7,fe,61,ec,60,98,37,23,8e,46,d9,b9,4f,56,dd,21,be,99,8f,5f,03,dc,e4,2d,81,\
  21,95,78,8c,2f,08,d2,4e,cc,27,9d,3f,1e,07,f2,fa,3c,72,8b,11
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{01979c6a-42fa-414c-b8aa-eee2c8202018}.check.101]
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{11CD958A-C507-4EF3-B3F2-5FD9DFBD2C78}.check.101]
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{852FB1F8-5CC6-4567-9C0E-7C330F8807C2}.check.100]
"CheckSetting"=hex:23,00,41,00,43,00,42,00,6c,00,6f,00,62,00,00,00,00,00,00,00,\
  00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{852FB1F8-5CC6-4567-9C0E-7C330F8807C2}.check.101]
"CheckSetting"=hex:23,00,41,00,43,00,42,00,6c,00,6f,00,62,00,00,00,00,00,00,00,\
  00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{945a8954-c147-4acd-923f-40c45405a658}.check.42]
"CheckSetting"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\
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  00,b1,00,f7,23,f2,4d,60,8d,f0,b1,6e,f1,6e,b5,c9,78,4f,ed,14,7f,5c,de,4c,e4,\
  04,1e,7e,75,b9,06,91,1d,90,50,7f,9a,ea,af,ed,80,76,e5,2b,72,18,b6,2d,1c,40,\
  00,00,00,90,5e,71,72,21,df,fd,63,3a,5b,ad,c8,fb,3d,64,54,3c,a3,2b,e6,c0,df,\
  24,c0,77,73,8b,11,9c,41,8e,0b,fe,a6,8c,53,d7,6b,88,e8,f2,b0,38,32,b2,7f,dd,\
  4f,cc,97,2d,0d,7a,27,6a,c5,7b,6d,8c,26,e0,46,17,24
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{A5268B8E-7DB5-465b-BAB7-BDCDA39A394A}.check.100]
"CheckSetting"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\
  01,00,00,00,a1,83,01,f4,91,88,0b,41,99,d1,cd,6e,b8,2a,4c,5d,00,00,00,00,02,\
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  c0,45,7f,f9,55,43,71,53,d0,33,9e,cd,86,25,2c,6d,13
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{DAB69A6A-4D2A-4D44-94BF-E0091898C881}.check.100]
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{E8433B72-5842-4d43-8645-BC2C35960837}.check.100]
"CheckSetting"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\
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  6b,66,15,0f,0d,a8,b5,3e,fe,0b,f8,bd,2a,9b,7b,da,f6,d7,40,00,00,00,b0,72,34,\
  cc,3e,fa,f5,30,42,1f,49,ee,f9,5b,46,06,9f,d1,42,3d,44,71,56,31,8c,d4,e1,bb,\
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  1a,ac,1f,61,64,5a,45,fb,db,d4,ec
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{E8433B72-5842-4d43-8645-BC2C35960837}.check.101]
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  83,7b,e2,e1,02,3e,98,82,68,da,b4,33,08,19,8a,d6,52,57,89,72,eb,71,49,26,b1,\
  b0,e9,79,0b,d2,8e,d8,6c,25,ca,e2,6c,e5,95,48,1e,11
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{E8433B72-5842-4d43-8645-BC2C35960837}.check.102]
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  7a,bd,40,93,cb,57,5c,1b,22,3b,be,e3,2e,ac,42,05,b3,db,2d,0e,c8,3f,c0,00,00,\
  00,07,a8,4e,ed,97,93,7e,ce,82,0b,ff,c9,15,cd,88,1d,cc,5a,7d,c7,6e,9a,c8,5e,\
  c1,7b,ca,b1,be,dd,8b,44,b2,93,06,6f,7a,24,91,42,79,af,25,57,84,27,bd,65,83,\
  ff,e4,a9,bd,22,fe,88,70,b1,98,a8,29,f7,ef,e4,b8,00,77,16,28,76,4e,77,04,93,\
  e5,42,b3,f1,06,2a,0c,66,29,b9,7f,55,18,68,ac,44,c9,94,10,80,5a,e2,06,0e,4c,\
  e6,72,0e,e2,41,8a,86,b8,64,bb,1e,84,20,35,11,d9,ac,22,d5,40,c3,38,74,cf,39,\
  18,5d,d0,8f,dc,c0,1c,56,9e,f5,71,40,af,2c,9e,a5,0e,64,18,fb,6c,87,14,72,a3,\
  26,de,70,da,7c,89,88,1e,5d,d7,eb,1f,a0,8e,e0,54,b4,6f,71,d3,ec,c7,03,dd,93,\
  df,56,01,c0,a2,02,bd,94,13,77,d9,e9,43,5a,8c,a8,58,54,40,00,00,00,9a,80,b6,\
  56,38,cb,d9,d0,3f,35,bd,3e,80,7f,1c,3e,a0,55,8c,b8,86,97,cd,37,e6,15,3a,be,\
  92,6c,0d,2d,d5,6c,f2,fe,fe,be,85,5e,61,38,2c,df,ea,95,20,71,6b,54,a1,64,c2,\
  ab,55,4a,9f,02,95,62,0c,db,2c,d0
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{E8433B72-5842-4d43-8645-BC2C35960837}.check.103]
"CheckSetting"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\
  01,00,00,00,a1,83,01,f4,91,88,0b,41,99,d1,cd,6e,b8,2a,4c,5d,00,00,00,00,02,\
  00,00,00,00,00,10,66,00,00,00,01,00,00,20,00,00,00,4d,55,53,40,ef,8f,10,36,\
  39,ae,1c,0d,10,f9,80,c8,20,3e,b9,0d,ff,84,8e,2e,36,85,de,cf,45,17,6c,1d,00,\
  00,00,00,0e,80,00,00,00,02,00,00,20,00,00,00,f9,93,5f,9c,d1,c3,fe,85,e1,68,\
  63,62,de,6e,93,f5,be,98,a6,d2,c5,c1,9a,2a,b7,10,42,cc,00,44,4e,35,c0,00,00,\
  00,16,4c,65,18,f5,45,89,04,5f,ba,f9,b7,95,d8,ed,13,c8,d0,12,65,be,eb,4d,e4,\
  08,ab,03,5f,35,e5,cf,1c,8d,ac,87,4f,fd,d4,f9,e3,1d,e8,eb,21,db,50,7f,b2,b8,\
  09,d9,b9,30,88,e1,c2,c3,b9,c8,27,96,9b,b7,97,47,77,17,8a,78,f3,53,bb,01,97,\
  88,2d,09,ed,45,ae,85,2c,73,cb,58,9f,33,9f,9a,94,e9,8c,cd,45,5d,b9,f1,46,9f,\
  59,15,7a,93,06,e3,2f,80,66,01,4b,f7,a4,83,d2,e5,bc,14,7e,ac,6a,67,5e,2b,01,\
  18,98,64,14,67,02,3f,a8,46,7b,1b,02,d1,8e,bd,20,ca,47,4b,10,44,e7,10,5b,93,\
  03,a7,6a,c6,71,3a,b8,23,25,52,09,94,d4,10,0c,ac,5b,07,ba,35,62,cd,80,1d,75,\
  dc,9b,ff,93,d6,a3,c4,80,20,f7,13,f5,a8,ed,2a,49,7d,97,40,00,00,00,da,46,de,\
  34,ca,77,5d,0c,1c,22,44,d5,63,db,32,e7,21,e3,7c,33,90,fe,b2,5e,9a,5a,eb,97,\
  01,ce,34,28,61,31,31,57,37,22,0a,d5,bd,0d,4d,5d,64,92,f1,f9,7e,5f,b3,ef,86,\
  50,23,89,03,0f,c9,4e,62,62,f2,85
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{E8433B72-5842-4d43-8645-BC2C35960837}.check.104]
```

```
"CheckSetting"=hex:01,00,00,00,d0,8c,9d,df,01,15,d1,11,8c,7a,00,c0,4f,c2,97,eb,\
  01,00,00,00,a1,83,01,f4,91,88,0b,41,99,d1,cd,6e,b8,2a,4c,5d,00,00,00,00,02,\
  00,00,00,00,00,10,66,00,00,00,01,00,00,20,00,00,00,9e,a4,f2,e2,eb,85,47,db,\
  39,da,e1,fa,da,4d,30,6e,26,52,76,84,8d,ca,13,bb,d0,55,93,9a,ab,55,de,da,00,\
  00,00,00,0e,80,00,00,00,02,00,00,20,00,00,00,bd,39,4f,bb,23,43,4b,9d,13,6d,\
  b6,c3,28,a7,b1,0f,ae,c8,3d,7e,29,b9,1e,96,6d,99,15,87,33,d8,a2,7d,30,00,00,\
  00,34,d6,09,4e,22,cd,04,4b,14,38,76,96,36,3b,37,42,41,ee,a1,82,bc,8a,fd,22,\
  35,1d,b3,8f,04,0b,f4,46,30,0c,39,02,6e,7b,e8,ae,7e,f8,56,7f,dc,68,5d,5c,40,\
  00,00,00,79,8b,22,ff,81,23,92,b2,9b,9a,9b,41,91,f3,0e,7f,65,d4,e0,5b,ee,6b,\
  7d,b1,c8,59,f5,f2,0b,33,70,30,e3,3f,0b,99,4a,09,97,5e,90,8c,4c,ce,7b,62,07,\
  ce,74,7c,b0,21,7d,9f,2b,a0,b1,63,f8,06,ae,45,c2,66
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Action Center\Checks\{E8433B72-5842-4d43-8645-BC2C35960837}.check.106]
;
------End cut & paste here------
```

Logon + Password Tweaks

All these tweaks work with all Windows 7/newer + Server 2008/newer builds/editions/releases/versions, and most even with Windows XP/newer + Server 2003/newer.

* WMIC.EXE DOS console command line tool:
Disable PasswordExpiryWarning DWORD [REG_DWORD] Registry value:
http://technet.microsoft.com/library/ee829687.aspx
Disable Password expiration for all accounts using WMIC.EXE command:
http://www.sevenforums.com/tutorials/73210-password-expiration-enable-disable.html
http://www.cocosenor.com/articles/windows-10/4-ways-to-disable-or-enable-windows-10-password-expiration-notification.html
Enable "Password never expires" network logon setting [disable PasswordExpiryWarning registry value] from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
WMIC.exe UserAccount set PasswordExpires=False
WMIC.exe executable is located in the %WinDir%\SYSTEM32\wbem directory/folder [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
WMIC (Windows Management Instrumentation Command):
http://learn.microsoft.com/windows/win32/wmisdk/wmic/
MS DOCs: WMIC - Take Command Line Control over WMI:
http://technet.microsoft.com/library/bb742610.aspx
Dedoimedo: WMIC - The Windows secret weapon:
http://www.dedoimedo.com/computers/windows-wmic.html
ComputerHope: WMIC:
http://www.computerhope.com/wmic.htm
Rob van der Woude: WMIC:
http://www.robvanderwoude.com/wmic.php
quux: WMIC Snippets:
http://quux.wiki.zoho.com/WMIC-Snippets.html
SS64: WMIC.EXE:
http://www.ss64.com/nt/wmic.html
Wikipedia: WMI:
http://en.wikipedia.org/wiki/Windows_Management_Instrumentation

* NET.EXE DOS console command line tool:
http://www.ss64.com/nt/net.html
http://www.lifewire.com/net-user-command-2618097/
http://www.ghacks.net/2017/05/24/manage-windows-users-with-net-user/
NET.EXE executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Syntax:
NET [ACCOUNTS | COMPUTER | CONFIG | CONTINUE | FILE | GROUP | HELP |
      HELPMSG | LOCALGROUP | NAME | PAUSE | PRINT | SEND | SESSION |
      SHARE | START | STATISTICS | STOP | TIME | USE | USER | VIEW]
Logon, Lockout + Password enforcement (Run as Administrator):
C:\>NET.EXE ACCOUNTS
Force user logoff how long after time expires?:   Never
Minimum password age (days):   999
Maximum password age (days):   Unlimited
Minimum password length: 0
Length of password history maintained: None
Lockout threshold: Never
Lockout duration (minutes):   0
Lockout observation window (minutes):   0
```
```

```
Computer role:                                  WORKSTATION
Run as Administrator:
NET ACCOUNTS /?
http://www.ss64.com/nt/net-useradmin.html
http://support.microsoft.com/kb/556003/
http://technet.microsoft.com/library/dd277400.aspx
Syntax:
NET ACCOUNTS
        [/FORCELOGOFF:{minutes|NO}]
        [/MINPWLEN:length]
        [/MAXPWAGE:{days|UNLIMITED}]
        [/MINPWAGE:days]
        [/UNIQUEPW:number]
        [/DOMAIN]
        [/lockoutwindow:(0-99999) MUST be = or > than "Lockout duration" number]
http://www.sevenforums.com/tutorials/72271-account-lockout-reset-invalid-logon-counter.html
        [/lockoutduration:(1-99999) MUST be = or < than "Lockout observation window" number]
http://www.sevenforums.com/tutorials/72258-account-lockout-duration-locked-out-user-accounts.html
Disable Password age, expiration + length restrictions + Lockout timeouts from a DOS console command prompt
[%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
NET.EXE ACCOUNTS /lockoutduration:0 /lockoutwindow:0 /MAXPWAGE:UNLIMITED /MINPWAGE:999 /FORCELOGOFF:NO
OR, alternatively, this command -> press Enter:
NET.EXE ACCOUNTS /lockoutduration:0 /lockoutwindow:0 /MINPWLEN:0 /MAXPWAGE:UNLIMITED /MINPWAGE:0 /FORCELOGOFF:NO

* Customized/Optimized WinLogon registry settings:
AutoAdminLogon:
http://learn.microsoft.com/troubleshoot/windows-server/user-profiles-and-logon/turn-on-automatic-logon/
CachedLogonsCount:
http://learn.microsoft.com/troubleshoot/windows-server/user-profiles-and-logon/cached-domain-logon-information/
DisableCAD:
http://support.microsoft.com/kb/960271/
Notify, Shell + Userinit:
http://attack.mitre.org/techniques/T1547/004/
PasswordExpiryWarning:
http://technet.microsoft.com/library/ee829687.aspx
http://www.sevenforums.com/tutorials/73210-password-expiration-enable-disable.html
http://www.cocosenor.com/articles/windows-10/4-ways-to-disable-or-enable-windows-10-password-expiration-notification.html
ReportBootOk:
http://franck.kiechel.free.fr/dbr_eng/WinLogon.htm
ShutdownFlags:
http://learn.microsoft.com/openspecs/windows_protocols/ms-tsts/81c472be-2a71-424e-8bde-71e826a34c26/
NOTE:
Some of these settings apply only to Windows NTx 32-bit (x86) OSes.
Tweaked WinLogon Registry file (example):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon]
"Background"="0 0 0"
"DebugServerCommand"="no"
"Shell"="explorer.exe /select,explorer.exe"
"DefaultDomainName"=""
"DefaultUserName"=""
"DisableCAD"=dword:0
"AutoRestartShell"=dword:1
"CachedLogonsCount"="50"
"FirstLogon"=dword:0
"ForceUnlockLogon"=dword:0
"LegalNoticeCaption"=-
"LegalNoticeText"=-
"LogonType"=-
"PasswordExpiryWarning"=dword:fffffff3
"PowerdownAfterShutdown"="1"
"ShutdownWithoutLogon"="1"
"WinStationsDisabled"="0"
"ScRemoveOption"="0"
"ShutdownFlags"=dword:a
; "ShutdownFlags"=dword:2b
"EnableConcurrentSessions"=-
"AllowMultipleTSSessions"=-
"ParseAutoexec"=-
"ShowLogonOptions"=dword:0
; "IgnoreShiftOveride"=dword:0
"IgnoreShiftOveride"=-
"HibernationPreviouslyEnabled"=dword:0
"AutoAdminLogon"="1"
"AutoLogonCount"=-
```

"ReportControllerMissing"="false"
"ReportBootOk"="1"
"Welcome"="Your Account or Domain Name"
;
------End cut & paste here------
_____

Clock Sync

Most of these apply to all Windows 7/newer builds/editions/releases/versions.

* Fix "Time difference too great" Time Sync Error in Windows 7/newer
http://www.raymond.cc/blog/auto-sync-pc-clock-on-windows-startup/
http://www.makeuseof.com/time-synchronization-failed-windows/
using one of the National Institute of Standards and Technology (NIST)
http://www.nist.gov/
NTP (Network Time Protocol) public servers (example):
time-b.nist.gov
List of NTP (Network Time Protocol) public servers:
http://tf.nist.gov/tf-cgi/servers.cgi
http://support.ntp.org/bin/view/Servers/NTPPoolServers
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Config]
"MaxPosPhaseCorrection"=dword:ffffffff
"EventLogFlags"=dword:0
"MaxNegPhaseCorrection"=dword:ffffffff
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Parameters]
"ServiceDllUnloadOnStop"=dword:1
"NtpServer"="time-b.nist.gov"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders\NtpClient]
"RunOnVirtualOnly"=dword:0
"Enabled"=dword:1
"EventLogFlags"=dword:0
"SignatureAuthAllowed"=dword:1
"AllowNonstandardModeCombinations"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders\NtpServer]
"RunOnVirtualOnly"=dword:0
"Enabled"=dword:1
"EventLogFlags"=dword:0
"ChainDisable"=dword:0
"RequireSecureTimeSyncRequests"=dword:0
"AllowNonstandardModeCombinations"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders\VMICTimeProvider]
"RunOnVirtualOnly"=dword:0
"Enabled"=dword:1
"EventLogFlags"=dword:0
"AllowNonstandardModeCombinations"=dword:1
;
------End cut & paste here------

* Synchronize your computer clock with one of the NTP (Network Time Protocol) public servers [time-b.nist.gov in this
example], also listed (see above) under the "NtpServer" registry REG_SZ [String] value in Windows 7/newer:
http://www.guidingtech.com/3119/windows-clock-sync/
http://groups.google.com/forum/#!topic/alt.msdos.batch.nt/UpvUnYfxBkw/
http://www.netikka.net/tsneti/info/tscmd169.htm
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: (1) Start Windows Time Server [W32Time] NTP service:
SC.EXE CONFIG W32Time START= demand
ECHO Y|NET.EXE START W32Time
:: (2) Synchronize computer clock with NTP public server (example using server B):
W32TM.EXE /config /manualpeerlist:time-b.nist.gov /syncfromflags:manual /update

```
W32TM.EXE /resync
:: (3) [a] Stop Windows Time Server [W32Time] NTP service:
ECHO Y|NET.EXE STOP W32Time
SC.EXE CONFIG W32Time START= demand
:: (3) [b] Optional services [AutoTimeSVC + TZAutoUpdate] configured to start on demand
:: [when neded, triggered by W32Time service twice a year when time changes: DST + ST]:
SC.EXE CONFIG autotimesvc START= demand
SC.EXE CONFIG tzautoupdate START= demand
:END
EXIT
------End cut & paste here------
```

NET.EXE, SC.EXE + W32TM.EXE executables DOS console command line tools are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
More info:
Wikipedia: Standard Time (ST):
http://en.wikipedia.org/wiki/Standard_time
Wikipedia: Daylight Saving Time (DST):
http://en.wikipedia.org/wiki/Daylight_saving_time

* Create a new Task (TaskSchd.msc) using batch file (.BAT or .CMD) above and schedule it to run periodically to sync your computer clock unattended in the background in Windows 7/newer:
http://answers.microsoft.com/en-us/windows/forum/windows_7-performance/make-windows-7-task-scheduler-run-a-batch-file/0573dc2e-4941-44a2-8304-264864e94f1a/
http://answers.microsoft.com/en-us/windows/forum/windows_10-performance/make-windows-10-task-scheduler-run-a-batch-file/e00b2fb0-02ca-439f-b534-eb34541130a9/

* MS DOCs: Windows Time Service Tools + Settings:
http://technet.microsoft.com/library/cc773263.aspx
http://learn.microsoft.com/windows-server/networking/windows-time-service/Windows-Time-Service-Tools-and-Settings/

* Date/Time time server Simple Network Time Protocol (SNTP) synchronization client tools for Windows XP/newer [free(ware)]:
http://www.thewindowsclub.com/free-time-synchronization-software-windows/
http://www.raymond.cc/blog/auto-sync-pc-clock-on-windows-startup/
- Time Synchronizer:
http://www.itsamples.com/time-synchronizer.html
File:
http://www.itsamples.com/downloads/time-synchronizer.zip
- NetTime:
http://www.timesynctool.com/
- Dimension 4:
http://www.thinkman.com/dimension4/
Download:
http://www.thinkman.com/dimension4/download.htm
- Atomic Clock Sync (ACS):
http://www.worldtimeserver.com/atomic-clock/
- Time-Sync:
http://www.speed-soft.de/software/time_sync/
Download:
http://www.speed-soft.de/software/time_sync/details/download.php
- Neutron:
http://www.keir.net/neutron.html
File:
http://www.keir.net/download/neutron.zip

* Wikipedia: Time Server:
http://en.wikipedia.org/wiki/Time_server

* Wikipedia: Network Time Protocol (NTP):
http://en.wikipedia.org/wiki/Network_Time_Protocol

Turn OFF/ON Link Layer Topology Discovery (LLTD) + Quality of Service (QoS)

This applies to all Windows 7/newer builds/editions/releases/versions.

Turn OFF/stop/disable Link Layer Discovery Protocol (LLDP), Link Layer Topology Discovery (LLTD), Quality of Service (QoS) + Reliable Multicast Protocol (RMP) networking/internet protocols, drivers, services + settings in Windows 7/newer (most of them apply also to Windows XP, 2003 + Vista):
- Link-Layer Topology Discovery Mapper I/O driver [lltdio] = %WinDir%\SYSTEM32\DRIVERS\lltdio.sys ,
- Link-Layer Topology Discovery Mapper service [lltdsvc] = %WinDir%\SYSTEM32\lltdsvc.dll ,
- Link-Layer Topology Discovery Responder driver [rspndr] = %WinDir%\SYSTEM32\DRIVERS\rspndr.sys ,
- Microsoft LLDP Protocol Driver service [MsLldp] = %WinDir%\SYSTEM32\DRIVERS\mslldp.sys ,
- QoS (Quality of Service) Packet Scheduler driver [Psched] = %WinDir%\SYSTEM32\DRIVERS\pacer.sys ,
- Reliable Multicast Protocol (RMP) [rmcast] = %WinDir%\SYSTEM32\wshrm.dll + %WinDir%\SYSTEM32\DRIVERS\rmcast.sys .

%WinDir% directory/folder = usually C:\WINDOWS -> listed on your system PATH.
http://www.windows-security.org/windows-service/quality-windows-audio-video-experience/
http://www.windows-security.org/windows-service/link-layer-topology-discovery-mapper/
http://learn.microsoft.com/windows/win32/services/services-and-redirected-drives/
http://helpdeskgeek.com/windows-10/4-fixes-when-you-cant-map-a-network-drive-in-windows-10/
http://learn.microsoft.com/previous-versions/windows/desktop/qos/link-layer-topology-discovery-protocol/
http://learn.microsoft.com/previous-versions/windows/desktop/qos/
http://batcmd.com/windows/10/services/lltdio/
http://batcmd.com/windows/10/services/lltdsvc/
http://batcmd.com/windows/10/services/rspndr/
http://batcmd.com/windows/10/services/mslldp/
http://batcmd.com/windows/10/services/psched/
http://en.wikipedia.org/wiki/Link_Layer_Topology_Discovery
http://en.wikipedia.org/wiki/Link_Layer_Discovery_Protocol
http://en.wikipedia.org/wiki/Quality_of_service
http://en.wikipedia.org/wiki/Reliable_multicast
http://en.wikipedia.org/wiki/Pragmatic_General_Multicast
http://en.wikipedia.org/wiki/IPv4
http://en.wikipedia.org/wiki/IPv6
See also GLOSSARY.TXT (included) for related terms, abbreviations, acronyms:
http://www.mdgx.com/glossary.htm

CAUTION:
****
Quality Windows Audio Video Experience [qWave] component driver
http://batcmd.com/windows/10/services/qwavedrv/
depends on these 2 drivers (among others):
http://www.windows-security.org/windows-service/quality-windows-audio-video-experience/
- Link-Layer Topology Discovery Mapper I/O driver [lltdio],
http://batcmd.com/windows/10/services/lltdio/
- QoS (Quality of Service) Packet Scheduler driver [Psched].
http://batcmd.com/windows/10/services/psched/

That's because basic broadband/cable/Ethernet/local/satellite/internet/network/LAN/WAN/NIC/Wi-Fi/wireless/etc stand alone connections without any add-ons/components/extensions/extras/features/services that require any of the drivers + services listed above, and without any connected/linked/networked/shared computers/consoles/devices/PCs/terminals need only 2 basic internet protocols to function properly:
- Internet Protocol Version 4 (IPv4) +
- Internet Protocol version 6 (IPv6),
as listed in Control Panel (CP) [Windows XP/newer] and Windows Settings (WS) [Windows 10/newer] -> All Control Panel Items -> Network and Sharing Center -> Change adapter settings -> Your active/current/enabled Connection icon/item/link/shortcut -> right-click -> Properties -> Networking tab -> "This connection uses the following items:".
Optimizing your connection and ditching unnecessary/unused bloat allows your computers/devices/portables to perform faster, preserve additional resources by saving CPU cycles, decreasing CPU load, saving memory space, minimizing loadind/startup/operational/processing times, etc.
Added bonus:
Disabling unnecessary/unused networking/internet features/options usually translates into enhanced online privacy, safety + security by closing available/potential (open) doors which could expose your computer(s)/device(s)/portable(s) to breaches, fingerprinting, hacking, malware, profiling, spying, surveillance, tracking, etc.
This also implies you're not using and/or you don't care about any Microsoft and 3rd party for profit automatic/unattended behind-your-back/deceitful/disguised/forced/harmful/hidden/intrusive/invasive/subversive/without your approval/authorization/consent/knowledge/permission, annoying/bloat/resources consuming, undesirable/unnecessary/unneeded/unused/useless/unwanted ad(vertisement)s/adware, add-ons, components, "features", enrollments, "experience", memberships, "offers", "trials", services, subscriptions (examples): Store apps, proprietary software bundles/trials, Azure, Bing, Edge web browser, Hotmail, Live, Microsoft Start, (MSN) Messenger, Office, OneDrive/SkyDrive, Outlook, Photos/Photo Viewer, Windows Essentials, Windows Insider Program (WIP), Windows (Live) Mail, Windows Media Player (WMP), Windows Movie Maker (WMM).
You can always find cheaper [or even 100% free(ware)], better, enhanced, improved alternatives, or similar products/services/software available online (examples):
http://alternativeto.net/software/microsoft-office-suite/
http://alternativeto.net/software/windows-media-player/
http://alternativeto.net/software/windows-photo-viewer/
http://www.softwarehow.com/windows-mail-alternatives/
http://www.websiterating.com/cloud-storage/best-microsoft-onedrive-alternatives/
http://www.digitalcitizen.life/best-free-alternatives-windows-movie-maker/
Some of the bundled/forced/preinstalled/preset apps/programs/services are either buggy, flawed, still in development stages, interim, pre-releases, previews, unfinished, untested (or incompletely tested), and some actually ask for cash/money, periodic paid enrollment/membership/service/subscription fees, eventually at the end of their time limited deadline/expiration/trial periods, or/and for as long as you choose to extend/maintain/pay for/purchase/subscribe to/support them.
Worse, most such programs ask for your confidential/identifiable/personal/private/privileged biometrics/data/fingerprint/information/stats (which in many cases are/is not needed/mandated/necessary/required to ensure proper functionality/operation/service), store it on their cloud/network/internet/remote servers/storage facilities (and therefore expose it to potential breaches, hacking, malware, spying, tracking, etc), and very frequently lease/share/sell your data for profit to other 3rd party/affiliates/associates/branches/brands/companies/divisions/entities/parents/partners/subsidiaries.
See also these MDGx topics (all included):
- "Digital + Internet/Online Privacy, Safety + Security" chapter in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php#:~:text=Digital%20%2B%20Internet%2FOnline%20Privacy%2C%20Safety%20%2B%20Security%20%3D%20Your%20Top%20Priority%20%5B%2A%5D
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf

- "Turn OFF/Remove Windows 7/8/8.1 Adware, Spyware, Security Flaws + Repair/Restore Privacy" chapter in WINDOWS7.TXT (this file):
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
- "Turn OFF/Remove Windows 10 Adware, Spyware, Security Flaws + Repair/Restore Privacy" chapter in WIN10.TXT:
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf

CAUTION:
****
This requires adequate/basic knowledge about critical computing, operating systems, shared environments, networks, cybersecurity.
http://www.mdgx.com/importnt.php
Recommended for single user environments without any add-ons/components/extensions/extras/features/services which may require specific configurations/items/properties/settings for proper operation.
Not recommended for multiuser/networked/shared/education/enterprise/server environments processing/storing/delivering encrypted/protected/secure critical/private/sensitive/vital analysis/data/information.

Turn OFF LLTD from Control Panel (CP):
Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
CONTROL.EXE /name Microsoft.NetworkAndSharingCenter
-> press Enter -> click left side "Change advanced sharing settings" link -> click "Network Profile" link (if prompted) -> click down arrow next to "Private" profile (if needed) -> under "Network discovery" UNcheck (clear) "Turn on network discovery" box.
CONTROL.EXE executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Turn OFF all LLDP, LLTD, QoS + RMP drivers + services from your active/current/enabled network/internet connection Properties:
- Windows 8, 8.1, 2012, 10, 2016, 2019, 2022, 11, 2025 + newer users:
Start Start button/icon/logo/menu/orb -> Control Panel (CP) -> Network and Sharing Center -> Active Networks -> click item right side of Connections: -> "your Network Connection name" [typical examples]: "Ethernet" (direct broadband modem connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection) -> connection Status -> General tab -> Properties -> scroll down -> UNcheck (clear) all these 5 boxes:
	- "Link-Layer Topology Discovery Mapper I/O Driver",
	- "Link-Layer Topology Discovery Responder",
	- "Microsoft LLDP Protocol Driver",
	- "QoS Packet Scheduler" +
	- "Reliable Multicast Protocol"
-> click OK -> exit all dialogs/prompts/windows.
- Windows 7, 7 SP1 + 2008 R2 users:
Start Start button/icon/logo/menu/orb -> Control Panel (CP) -> Network and Sharing Center -> View network status and tasks -> View Active networks -> click item right side of Connections: -> "your Network Connection name" [typical examples]: "Ethernet" (direct broadband modem connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection) -> connection Status -> General tab -> Properties -> Connection Properties General tab -> scroll down -> UNcheck (clear) all these 5 boxes:
	- "Link-Layer Topology Discovery Mapper I/O Driver",
	- "Link-Layer Topology Discovery Responder",
	- "Microsoft LLDP Protocol Driver",
	- "QoS Packet Scheduler" +
	- "Reliable Multicast Protocol"
-> click OK -> exit all dialogs/prompts/windows.
Turn OFF all LLDP, LLTD, QoS + RMP drivers + services using a BATch (.bat)/CoMmanD (.cmd) file:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Turn OFF [Disabled] Link-Layer Topology Discovery Mapper I/O driver [lltdio]:
ECHO Y|NET.EXE STOP lltdio
SC.EXE CONFIG lltdio START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\lltdio" /v Start /t REG_DWORD /d 4 /f
:: Turn OFF [Disabled] Link-Layer Topology Discovery Mapper service [lltdsvc]:
ECHO Y|NET.EXE STOP lltdsvc
SC.EXE CONFIG lltdsvc START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\lltdsvc" /v Start /t REG_DWORD /d 4 /f
:: Turn OFF [Disabled] Link-Layer Topology Discovery Responder driver [rspndr]:
ECHO Y|NET.EXE STOP rspndr
SC.EXE CONFIG rspndr START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\rspndr" /v Start /t REG_DWORD /d 4 /f
:: Turn OFF [Disabled] Microsoft LLDP Protocol Driver service [MsLldp]:
ECHO Y|NET.EXE STOP MsLldp
SC.EXE CONFIG MsLldp START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\MsLldp" /v Start /t REG_DWORD /d 4 /f
```

```
:: Turn OFF [Disabled] QoS (Quality of Service) Packet Scheduler driver [Psched]:
ECHO Y|NET.EXE STOP Psched
SC.EXE CONFIG Psched START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\Psched" /v Start /t REG_DWORD /d 4 /f
:: Turn OFF [Disabled] Reliable Multicast Protocol (RMP) driver [rmcast]:
ECHO Y|NET.EXE STOP rmcast
SC.EXE CONFIG rmcast START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\rmcast" /v Start /t REG_DWORD /d 4 /f
:END
EXIT
------End cut & paste here------
```

REG.EXE, NET.EXE + SC.EXE executables DOS console command line tools are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].

View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:

right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command

```
PATH
```

-> press Enter.

Restart/reboot Windows for all changes to take effect.

Turn OFF all LLDP, LLTD, QoS + RMP drivers + services using a Registry (.reg) file (optional):

TIP:

Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer http://www.mdgx.com/toy.htm#TXT to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
; Turn OFF [Disabled] Link-Layer Topology Discovery Mapper I/O driver [lltdio]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lltdio]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\lltdio]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\lltdio]
"LaunchProtected"=dword:0
"Start"=dword:4
; Turn OFF [Disabled] Link-Layer Topology Discovery Mapper service [lltdsvc]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lltdsvc]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\lltdsvc]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\lltdsvc]
"LaunchProtected"=dword:0
"Start"=dword:4
; Turn OFF [Disabled] Link-Layer Topology Discovery Responder driver [rspndr]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rspndr]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\rspndr]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\rspndr]
"LaunchProtected"=dword:0
"Start"=dword:4
; Turn OFF [Disabled] Microsoft LLDP Protocol Driver service [MsLldp]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MsLldp]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\MsLldp]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\MsLldp]
"LaunchProtected"=dword:0
"Start"=dword:4
; Turn OFF [Disabled] QoS (Quality of Service) Packet Scheduler driver [Psched]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Psched]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\Psched]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\Psched]
"LaunchProtected"=dword:0
"Start"=dword:4
; Turn OFF [Disabled] Reliable Multicast Protocol (RMP) driver [rmcast]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rmcast]
"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\rmcast]
```

"LaunchProtected"=dword:0
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\rmcast]
"LaunchProtected"=dword:0
"Start"=dword:4
;
------End cut & paste here------
Restart/reboot Windows for all changes to take effect.

WARNING:
****
If all these interconnected/interdependent/interrelated drivers + services are turned OFF/disabled/stopped networking/internet discovery, mapping + responder functions for available/connected/linked/remote/shared clients/computers/devices/servers will not work, and you may experience errors +/- loss of functionality in multiuser/networked/shared/education/enterprise/server environments which depend on these drivers + services.
Example: Xbox platform computers, connections, devices, servers + services need to use this protocol.
Refer to your documentation/guidelines/manuals/ReadMe files or contact the manufacturer/support/vendor for information.
Turn ON/(re)enable/(re)start networking/internet discovery, mapping + responder step-by-step:
1. Turn ON all LLDP, LLTD, QoS + RMP drivers + services using a BATch (.bat)/CoMmanD (.cmd) script file:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: Turn ON [Automatic/Enabled] Link-Layer Topology Discovery Mapper I/O driver [lltdio]:
SC.EXE CONFIG lltdio START= enabled
ECHO Y|NET.EXE START lltdio
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\lltdio" /v Start /t REG_DWORD /d 2 /f
:: Turn ON [Manual/Demand] Link-Layer Topology Discovery Mapper service [lltdsvc]:
SC.EXE CONFIG lltdsvc START= demand
ECHO Y|NET.EXE START lltdsvc
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\lltdsvc" /v Start /t REG_DWORD /d 3 /f
:: Turn ON [Manual/Demand] Link-Layer Topology Discovery Responder driver [rspndr]:
SC.EXE CONFIG rspndr START= demand
ECHO Y|NET.EXE START rspndr
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\rspndr" /v Start /t REG_DWORD /d 3 /f
:: Turn ON [System] QoS (Quality of Service) Packet Scheduler driver [Psched]:
SC.EXE CONFIG Psched START= system
ECHO Y|NET.EXE START Psched
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\Psched" /v Start /t REG_DWORD /d 1 /f
:: Turn ON [Manual/Demand] Reliable Multicast Protocol (RMP) driver [rmcast]:
SC.EXE CONFIG rmcast START= demand
ECHO Y|NET.EXE START rmcast
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\rmcast" /v Start /t REG_DWORD /d 3 /f
:END
EXIT
------End cut & paste here------
REG.EXE, NET.EXE + SC.EXE executables DOS console command line tools are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
2. Turn ON all LLDP, LLTD, QoS + RMP drivers + services using a registry (.reg) file (optional):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
REGEDIT4
; Turn ON [Automatic/Enabled] Link-Layer Topology Discovery Mapper I/O driver [lltdio]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lltdio]
"LaunchProtected"=dword:0
"Start"=dword:2
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\lltdio]
"LaunchProtected"=dword:0
"Start"=dword:2
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\lltdio]
"LaunchProtected"=dword:0
"Start"=dword:2
; Turn ON [Manual/Demand] Link-Layer Topology Discovery Mapper service [lltdsvc]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lltdsvc]
"LaunchProtected"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\lltdsvc]
"LaunchProtected"=dword:0

```
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\lltdsvc]
"LaunchProtected"=dword:0
"Start"=dword:3
; Turn ON [Manual/Demand] Link-Layer Topology Discovery Responder driver [rspndr]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rspndr]
"LaunchProtected"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\rspndr]
"LaunchProtected"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\rspndr]
"LaunchProtected"=dword:0
"Start"=dword:3
; Turn ON [Automatic/Enabled] Microsoft LLDP Protocol Driver service [MsLldp]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MsLldp]
"LaunchProtected"=dword:0
"Start"=dword:2
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\MsLldp]
"LaunchProtected"=dword:0
"Start"=dword:2
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\MsLldp]
"LaunchProtected"=dword:0
"Start"=dword:2
; Turn ON [System] QoS (Quality of Service) Packet Scheduler driver [Psched]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Psched]
"LaunchProtected"=dword:0
"Start"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\Psched]
"LaunchProtected"=dword:0
"Start"=dword:1
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\Psched]
"LaunchProtected"=dword:0
"Start"=dword:1
; Turn ON [Manual/Demand] Reliable Multicast Protocol (RMP) service [rmcast]:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rmcast]
"LaunchProtected"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\rmcast]
"LaunchProtected"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\rmcast]
"LaunchProtected"=dword:0
"Start"=dword:3
;
------End cut & paste here------
3. Follow these steps to turn ON/(re)enable/(re)start networking/internet discovery:
http://www.technewstoday.com/how-to-turn-on-network-discovery/
http://www.zubairalexander.com/blog/unable-to-turn-on-network-discovery-on-windows-7-or-windows-8/
http://learn.microsoft.com/troubleshoot/windows-client/networking/cannot-turn-on-network-discovery/
http://www.lifewire.com/turn-on-off-network-discovery-in-windows-10-5116083/
Turn ON LLTD from Control Panel (CP):
Start Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
CONTROL.EXE /name Microsoft.NetworkAndSharingCenter
-> press Enter -> click left side "Change advanced sharing settings" link -> click "Network Profile" link (if prompted) ->
click down arrow next to "Private" profile (if needed) -> under "Network discovery" check "Turn on network discovery" box.
CONTROL.EXE executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Turn ON all LLDP, LLTD, QoS + RMP drivers + services from your active/current/enabled network/internet connection
Properties:
- Windows 8, 8.1, 2012, 10, 2016, 2019, 2022, 11, 2025 + newer users:
Start Start button/icon/logo/menu/orb -> Control Panel (CP) -> Network and Sharing Center -> Active Networks -> click item
right side of Connections: -> "your Network Connection name" [typical examples]: "Ethernet" (direct broadband modem
connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection) ->
connection Status -> General tab -> Properties -> scroll down -> check all these 5 boxes:
        - "Link-Layer Topology Discovery Mapper I/O Driver",
        - "Link-Layer Topology Discovery Responder",
        - "Microsoft LLDP Protocol Driver",
        - "QoS Packet Scheduler" +
        - "Reliable Multicast Protocol"
-> click OK button -> close/exit all dialogs/prompts/windows.
- Windows 7, 7 SP1 + 2008 R2 users:
Start Start button/icon/logo/menu/orb -> Control Panel (CP) -> Network and Sharing Center -> View network status and tasks
-> View Active networks -> click item right side of Connections: -> "your Network Connection name" [typical examples]:
"Ethernet" (direct broadband modem connection), "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi"
(high speed wireless connection) -> connection Status -> General tab -> Properties -> Connection Properties General tab ->
scroll down -> check all these 5 boxes:
        - "Link-Layer Topology Discovery Mapper I/O Driver",
        - "Link-Layer Topology Discovery Responder",
```

```
        - "Microsoft LLDP Protocol Driver",
        - "QoS Packet Scheduler" +
        - "Reliable Multicast Protocol"
-> click OK button -> close/exit all dialogs/prompts/windows.
4. Restart/reboot Windows for all changes to take effect.

NOTE:
OLDer client/server computers/devices/terminals running Windows XP or Windows 2003 Server 32-bit (x86) or 64-bit (x64) need
this Hotfix so they can be discovered/found/mapped on the network/internet by other clients/computers/devices/servers:
All Windows XP + Windows 2003 Server 32-bit (x86) + 64-bit (x64) KB922120 Hotfix for all supported editions + languages:
http://thehotfixshare.net/board/?/search/&q=KB922120
Windows XP SP2 32-bit (x86) Network Map Errors With Windows Vista/newer Link Layer Topology Discovery (LLTD) responder Fix:
https://web.archive.org/web/20071226071116/http://support.microsoft.com/kb/922120/
File [514 KB, English]:
https://web.archive.org/web/20070221043025if_/http://download.microsoft.com:80/download/0/5/f/05fc30db-e7af-4488-a3a8-
23999328e4bd/WindowsXP-KB922120-v5-x86-ENU.exe
_____________________________________________________________________



CMD, Commands, Environment + Console



This applies to all Windows 7/newer builds/editions/releases/versions.

* Windows environment variables documentation, guides, tutorials:
http://learn.microsoft.com/windows/win32/procthread/environment-variables/
http://msdn.microsoft.com/library/windows/desktop/ms682653.aspx
http://www.ss64.com/nt/syntax-variables.html
http://www.ss64.com/nt/syntax-64bit.html
http://www.xahlee.info/mswin/env_var.html
http://www.tenforums.com/tutorials/3234-environment-variables-windows-10-a.html
http://www.sevenforums.com/performance-maintenance/136057-windows-7-environment-variables-list.html
http://www.howtogeek.com/51807/how-to-create-and-use-global-system-environment-variables/
http://www.makeuseof.com/tag/what-are-environment-variables-how-can-i-use-them-windows/
http://www.computerhope.com/jargon/e/envivari.htm
http://en.wikipedia.org/wiki/Environment_variable

* Execute (run) program/batch/script/process/service selectively depending on installed Windows NTx Operating System (OS)
bit strength: 32-bit (x86) or 64-bit (x64) (example):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST %WinDir%\SYSTEM32\REG.EXE GOTO END
IF NOT "%PROCESSOR_ARCHITECTURE%"=="AMD64" GOTO X86
REG.EXE DELETE "HKLM\SOFTWARE\Wow6432Node\Microsoft\Windows\CurrentVersion\Run" /v SunJavaUpdateSched /f
GOTO END
:X86
REG.EXE DELETE "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run" /v SunJavaUpdateSched /f
:END
EXIT
------End cut & paste here------
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html

* Add custom environment variables to the default list of SET commands (examples):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST %WinDir%\SYSTEM32\SETX.EXE GOTO END
SETX.EXE DIRCMD "/A:-D/B/O:GNE/-P/S"
SETX.EXE COPYCMD "/Y" /M
SETX.EXE DEVMGR_SHOW_DETAILS "1" /M
SETX.EXE DEVMGR_SHOW_NONPRESENT_DEVICES "1" /M
SETX.EXE FP_NO_HOST_CHECK "NO" /M
SETX.EXE GOOGLE_API_KEY "NO" /M
```

```
SETX.EXE GOOGLE_DEFAULT_CLIENT_ID "NO" /M
SETX.EXE GOOGLE_DEFAULT_CLIENT_SECRET "NO" /M
SETX.EXE windows_tracing_flags "0" /M
SETX.EXE windows_tracing_logfile "%TEMP%\CSILOG.LOG" /M
SETX.EXE deployment.expiration.check.enabled "false" /M
SETX.EXE SEE_MASK_NOZONECHECKS "1" /M
SETX.EXE __COMPAT_LAYER "RunAsAdmin" /M
:END
EXIT
------End cut & paste here------
Run CMD.EXE (as Administrator) -> type SET -> press Enter to view all installed SET environment variables (examples):
SET | MORE
or save list to plain text file:
SET>%TEMP%\ENVLIST.TXT
Example:
http://www.winaero.com/blog/how-to-see-names-and-values-of-environment-variables-in-windows-8-and-windows-7/
CMD.EXE [DOS console CoMmanD prompt EXEcutable] + SETX.EXE executables are located in the %WinDir%\SYSTEM32
directory/folder [%WinDir% = usually C:\WINDOWS], listed on your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Google API Keys:
http://chromium.woolyss.com/#google-api-keys
http://www.chromium.org/developers/how-tos/api-keys/

* Environment variables Registry keys:
All Users (system wide) active key:
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Environment
All Users (system wide) backup key #1 [001]:
HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Session Manager\Environment
All Users (system wide) backup key #2 [002]:
HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Session Manager\Environment
Current User (logged on user) key:
HKEY_CURRENT_USER\Environment
Default User (all users) key:
HKEY_USERS\.DEFAULT\Environment
See MDGx "Registry Structure" chapter in RegGuide.txt (included) for more details:
http://www.mdgx.com/reg.htm#RTS
_____________________________________________________________________________



Paging (Swap) File Tweaks



This applies to all Windows 7/newer builds/editions/releases/versions.

* Optimizing Memory Configuration:
http://technet.microsoft.com/library/cc938581.aspx
Memory Management:
http://technet.microsoft.com/library/cc951698.aspx
Optimize virtual memory cache [pagefile.sys] performance using Control Panel (CP) applet:
http://www.techtarget.com/searchitchannel/feature/Windows-7-virtual-memory-performance-optimization/
Enhance Windows Memory Management Through Registry:
http://www.registryrecycler.com/blog/2013/07/enhance-windows-memory-management-through-registry/
http://gist.github.com/trongtinh1212/caa7d00188626d9188f69e781fee82d8/
LargeSystemCache + PagedPoolSize + SystemPages registry values:
http://technet.microsoft.com/library/bb463205.aspx
PagedPoolQuota registry value:
http://technet.microsoft.com/library/cc759495.aspx
PagedPoolSize registry value:
http://technet.microsoft.com/library/cc738462.aspx
PoolUsageMaximum registry value:
http://support.microsoft.com/kb/312362/
http://helpforsure.wordpress.com/tag/poolusagemaximum/
http://arcserve.zendesk.com/hc/en-us/articles/202808835-Insufficient-System-Resources-1450-/
SessionPoolSize + SessionViewSize registry values:
http://support.microsoft.com/kb/840342/
ClearPageFileAtShutdown registry value:
http://support.microsoft.com/kb/314834/
ClearPageFileAtShutdown FixIt! tool:
http://download.microsoft.com/download/C/1/D/C1DC29D4-FD75-400A-A661-F72D8C6976E1/MicrosoftFixit50463.msi
SecondLevelDataCache registry value:
http://archive.arstechnica.com/tweak/nt/L2-cache-1.html
PhysicalAddressExtension registry value [Windows 32-bit (x86) only]:
http://www.registryrecycler.com/blog/2013/07/enhance-windows-memory-management-through-registry/

* Example of max performance optimized pagefile.sys using the registry (adapt to match your needs and/or preferences):
1. Using a registry (.reg) script file [RegEdit.exe]:
TIP:
```

Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management]
"ClearPageFileAtShutdown"=dword:0
"DisablePagingExecutive"=dword:0
"LargeSystemCache"=dword:1
"NonPagedPoolQuota"=dword:0
"NonPagedPoolSize"=dword:0
"PagedPoolSize"=dword:ffffffff
"PagedPoolQuota"=dword:0
"PhysicalAddressExtension"=dword:1
"PoolUsageMaximum"=dword:3c
"SecondLevelDataCache"=dword:1
"SessionPoolSize"=dword:3c
"SessionViewSize"=dword:78
"SystemPages"=dword:ffffffff
"FeatureSettings"=dword:0
"FeatureSettingsOverride"=dword:3
"FeatureSettingsOverrideMask"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Session Manager\Memory Management]
"ClearPageFileAtShutdown"=dword:0
"DisablePagingExecutive"=dword:0
"LargeSystemCache"=dword:1
"NonPagedPoolQuota"=dword:0
"NonPagedPoolSize"=dword:0
"PagedPoolSize"=dword:ffffffff
"PagedPoolQuota"=dword:0
"PhysicalAddressExtension"=dword:1
"PoolUsageMaximum"=dword:3c
"SecondLevelDataCache"=dword:1
"SessionPoolSize"=dword:3c
"SessionViewSize"=dword:78
"SystemPages"=dword:ffffffff
"FeatureSettings"=dword:0
"FeatureSettingsOverride"=dword:3
"FeatureSettingsOverrideMask"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Control\Session Manager\Memory Management]
"ClearPageFileAtShutdown"=dword:0
"DisablePagingExecutive"=dword:0
"LargeSystemCache"=dword:1
"NonPagedPoolQuota"=dword:0
"NonPagedPoolSize"=dword:0
"PagedPoolSize"=dword:ffffffff
"PagedPoolQuota"=dword:0
"PhysicalAddressExtension"=dword:1
"PoolUsageMaximum"=dword:3c
"SecondLevelDataCache"=dword:1
"SessionPoolSize"=dword:3c
"SessionViewSize"=dword:78
"SystemPages"=dword:ffffffff
"FeatureSettings"=dword:0
"FeatureSettingsOverride"=dword:3
"FeatureSettingsOverrideMask"=dword:3
;
```

------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
2. Using a BATch (.bat)/CoMmanD (.cmd) script file [REG.EXE]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v LargeSystemCache /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PagedPoolQuota /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PagedPoolSize /t REG_DWORD /d ffffffff /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PhysicalAddressExtension /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v PoolUsageMaximum /t REG_DWORD /d 3c /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SecondLevelDataCache /t REG_DWORD /d 1 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SessionPoolSize /t REG_DWORD /d 3c /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SessionViewSize /t REG_DWORD /d 78 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v SystemPages /t REG_DWORD /d ffffffff /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v FeatureSettings /t REG_DWORD /d 0 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v FeatureSettingsOverride /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management" /v FeatureSettingsOverrideMask /t REG_DWORD /d 3 /f
```

```
:END
EXIT
------End cut & paste here------
```
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
Restart/reboot Windows for all changes to take effect.

* Change pagefile.sys file location to another drive/partition/volume (if available), management, initial + maximum sizes:
http://garvis.ca/2018/02/07/change-the-page-in-command-line/
http://www.windowscentral.com/how-change-virtual-memory-size-windows-10/
Right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (examples):
WMIC.EXE computersystem where name="%ComputerName%" set AutomaticManagedPagefile=False
WMIC.EXE pagefileset where name="D:\\pagefile.sys" set InitialSize=65536,MaximumSize=65536
In this example pagefile.sys is relocated to drive/partition/volume D: (change letter to match your computer specs), and both its initial + maximum sizes are fixed at 64 GB.
Windows Management Instrumentation Command [WMIC.EXE] executable (.exe) is located in the %WinDir%\SYSTEM32\WBEM directory/folder.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
MS DOCs: WMIC (Windows Management Instrumentation Command):
http://learn.microsoft.com/windows/win32/wmisdk/wmic/
MS DOCs: WMIC - Take Command Line Control over WMI:
http://technet.microsoft.com/library/bb742610.aspx
Dedoimedo: WMIC - The Windows secret weapon:
http://www.dedoimedo.com/computers/windows-wmic.html
ComputerHope: WMIC:
http://www.computerhope.com/wmic.htm
Rob van der Woude: WMIC:
http://www.robvanderwoude.com/wmic.php
quux: WMIC Snippets:
http://quux.wiki.zoho.com/WMIC-Snippets.html
SS64: WMIC.EXE:
http://www.ss64.com/nt/wmic.html
Wikipedia: WMI:
http://en.wikipedia.org/wiki/Windows_Management_Instrumentation

* PAGEFILE.VBS script file for Windows XP/newer:
http://www.cluberti.com/blog/2010/06/17/pagefile-vbs-for-vistawin7-systems-may-work-on-xp2003-not-tested/comment-page-1/
pagefileconfig.vbs script file for Windows XP/newer:
http://technet.microsoft.com/library/cc772827.aspx
http://ww.upgradenrepair.com/Software/Microsoft/Windows%20Server%202003/Library/P/pagefileconfigvbs.htm
———————————————————————————————————————

Windows (Defender) Firewall [W(D)F] Tweaks + Tools

Most of these apply to all Windows 7/newer builds/editions/releases/versions.

* MDGx "Tweaks, Hacks + Fixes... UNconventional, UNdocumented, UNcensored ;-/" chapter -> "* FIX: MDGx customized/tweaked list of all Windows (Defender) Firewall [W(D)F] Inbound + Outbound Core Networking rules" topic in WIN10.TXT (included) = most of them apply also to Windows 7/newer:
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf

* MDGx "XP/2003 FIREWALL GUIDE" chapter in TIPSXP.TXT (included) = most of it applies also to Windows 7/newer:
http://www.mdgx.com/xp2.htm#XFG

* MDGx "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" -> "FIREWALL" + "INTERNET" sections in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf

* MDGx "Free(ware) Windows 9x/NTx Firewalls, Anti-Spyware + Internet Monitors" chapter -> "Firewalls" section in SOFTWARE.TXT (included):
http://www.mdgx.com/fw.htm

* MDGx "Free(ware) Windows Firewalls Compared + Reviewed":
http://www.mdgx.com/modem.htm#FWC

* Wikipedia:
- Comparison of Firewalls:
http://en.wikipedia.org/wiki/Comparison_of_firewalls

- Firewall (computing):
http://en.wikipedia.org/wiki/Firewall_(computing)

* Computer + Internet Security Terms:
- IETF: Internet Security Glossary:
http://datatracker.ietf.org/doc/html/rfc4949/
- NIST - CSRC: Cybersecurity + Digital/Online Privacy Glossary:
http://csrc.nist.gov/glossary/
- SANS Institute: Computer Security Glossary:
http://www.sans.org/security-resources/glossary-of-terms/
- MDGx "Terms, Standards, Abbreviations + Acronyms" in GLOSSARY.TXT (included):
http://www.mdgx.com/glossary.htm

* Configure/customize, import/export + restore/reset default Windows (Defender) Firewall [W(D)F] rules in Windows 7/newer:
http://learn.microsoft.com/windows/security/operating-system-security/network-security/windows-firewall/
http://learn.microsoft.com/windows/security/operating-system-security/network-security/windows-firewall/rules/
http://learn.microsoft.com/windows/security/operating-system-security/network-security/windows-firewall/tools/
http://learn.microsoft.com/windows/security/operating-system-security/network-security/windows-firewall/configure/
http://learn.microsoft.com/windows/security/operating-system-security/network-security/windows-firewall/configure-with-command-line/
http://supportcenter.lexisnexis.com/app/answers/answer_view/a_id/1081611/
http://www.microsoftpressstore.com/articles/article.aspx?p=2224362&seqNum=2
http://github.com/metablaster/WindowsFirewallRuleset
http://www.winaero.com/export-and-import-specific-firewall-rule-in-windows-10/
http://woshub.com/windows-firewall-settings-group-policy/
http://www.dummies.com/computers/operating-systems/windows-10/how-to-change-windows-10-firewall-settings-to-allow-certain-programs/
http://www.thewindowsclub.com/how-to-backup-restore-reset-to-defaults-windows-7-firewall-settings/
http://www.winhelponline.com/blog/reset-firewall-defaults-restore-rules-advanced-security/
http://learn.microsoft.com/windows/security/threat-protection/windows-firewall/configure-windows-firewall-to-suppress-notifications-when-a-program-is-blocked/
http://www.xspdf.com/resolution/51904145.html
http://sourcedaddy.com/windows-7/configuring-windows-firewall-options.html
http://learn.microsoft.com/previous-versions/windows/it-pro/windows-server-2008-R2-and-2008/

* Execute/launch/open/run/start Windows (Defender) Firewall [W(D)F] with Advanced Security (Control) applet/tool in Windows 7/newer:
http://voyager.deanza.edu/~hso/cis170f/lecture/ch08/win08/advanced.html
http://www.digitalcitizen.life/manage-rules-windows-firewall-advanced-security/
1. Start button/icon/logo/menu/orb -> Windows Administrative Tools -> Windows (Defender) Firewall [W(D)F] with Advanced Security.
2. Control Panel (CP) OR Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
control.exe
-> OK/Enter -> System and Security -> Windows (Defender) Firewall [W(D)F] -> Advanced settings.
3. Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
wf.msc
-> press OK/Enter -> Windows (Defender) Firewall [W(D)F] with Advanced Security.

* Control/optimize/secure advanced Windows (Defender) Firewall [W(D)F] behavior using Network Shell (NetSh) [NETSH.EXE] DOS console command line tool in Windows 7/newer:
http://learn.microsoft.com/troubleshoot/windows-server/networking/netsh-advfirewall-firewall-control-firewall-behavior/
http://support.microsoft.com/kb/947709/
http://www.poftut.com/manage-windows-firewall-command-line-netsh-command/
http://www.ss64.com/nt/netsh.html
http://adamtheautomator.com/netsh/
http://www.tenforums.com/tutorials/70699-turn-off-windows-defender-firewall-windows-10-a.html
http://www.itninja.com/blog/view/how-to-add-firewall-rules-using-netsh-exe-advanced-way/
http://www.stigviewer.com/stig/microsoft_windows_server_2012_domain_controller/2013-07-25/finding/WN12-FW-000005
NetSh [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Examples (globally for all connection/profile types, or separately for each connection/profile type):
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line (examples):
NETSH.EXE advfirewall set allprofiles state on
NETSH.EXE advfirewall set currentprofile state on
NETSH.EXE advfirewall set domainprofile state on
NETSH.EXE advfirewall set privateprofile state on
NETSH.EXE advfirewall set publicprofile state on
NETSH.EXE advfirewall set allprofiles state on
NETSH.EXE advfirewall set allprofiles settings inboundusernotification disable
NETSH.EXE advfirewall set allprofiles settings unicastresponsetomulticast disable
These commands disable all Remote Assistance, Administration, Desktop + Management RPC (Remote Procedure Call)/E(P)MAP (End Point Mapper) Windows (Defender) Firewall [W(D)F] rules (examples):
NETSH.EXE advfirewall firewall set rule group="Remote" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Assistance" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Administration" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Desktop" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Event" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Event Log" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Event Log Management" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Event Monitor" new enable=no

```
NETSH.EXE advfirewall firewall set rule group="Remote Management" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Scheduled" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Scheduled Tasks" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Scheduled Tasks Management" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Service" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Service Management" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Volume" new enable=no
NETSH.EXE advfirewall firewall set rule group="Remote Volume Management" new enable=no
NETSH.EXE advfirewall firewall set rule group="Routing and Remote" new enable=no
NETSH.EXE advfirewall firewall set rule group="Routing and Remote Access" new enable=no
NETSH.EXE advfirewall firewall set rule group="Windows Remote" new enable=no
NETSH.EXE advfirewall firewall set rule group="Windows Remote Management" new enable=no
NETSH.EXE advfirewall set allprofiles settings remotemanagement disable
To completely disable Windows Remote Assistance, Administration, Desktop + Management: Start button/icon/logo/menu/orb ->
Run... [hold WinKey + press R] -> type:
CONTROL.EXE
press Enter -> System -> Remote Settings -> disable/UNcheck all check boxes/options -> Apply/OK.
Control Panel executable [CONTROL.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
More info:
http://www.thewindowsclub.com/windows-remote-assistance-in-windows-8/
http://www.tenforums.com/tutorials/116749-enable-disable-remote-assistance-connections-windows.html
Turn OFF (set to Disabled) these interconnected/interdependent/interrelated services:
Remote Access Auto Connection Manager [RasAuto]
Remote Access Connection Manager [RasMan]
Remote Registry [RemoteRegistry]
Routing and Remote Access [RemoteAccess]
Windows Remote Management (WS-Management) [WinRM]
Run... [hold WinKey + press R] -> type:
services.msc
-> press Enter -> double-click each service above -> Stop (if running) -> Startup type: -> Disabled -> Apply/OK.
OR (if above doesn't work):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
ECHO Y|NET.EXE STOP RasAuto
SC.EXE CONFIG RasAuto START= disabled
ECHO Y|NET.EXE STOP RasMan
SC.EXE CONFIG RasMan START= disabled
ECHO Y|NET.EXE STOP RemoteRegistry
SC.EXE CONFIG RemoteRegistry START= disabled
ECHO Y|NET.EXE STOP RemoteAccess
SC.EXE CONFIG RemoteAccess START= disabled
ECHO Y|NET.EXE STOP WinRM
SC.EXE CONFIG WinRM START= disabled
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RasAuto" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RasAuto" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RasAuto" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RasMan" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RasMan" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RasMan" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RemoteRegistry" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RemoteRegistry" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RemoteRegistry" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RemoteAccess" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RemoteAccess" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RemoteAccess" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\WinRM" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\WinRM" /v Start /t REG_DWORD /d 4 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\WinRM" /v Start /t REG_DWORD /d 4 /f
:END
EXIT
------End cut & paste here------
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
Restart/reboot Windows for all changes to take effect.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
```

text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
; * Turn OFF remote administration/assistance/desktop/management:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Remote Assistance]
"CreateEncryptedOnlyTickets"=dword:1
"fAllowFullControl"=dword:0
"fAllowToGetHelp"=dword:0
"fEnableChatControl"=dword:0
"MaxTicketExpiry"=dword:0
"MaxTicketExpiryUnits"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\System\ControlSet001\Control\Remote Assistance]
"CreateEncryptedOnlyTickets"=dword:1
"fAllowFullControl"=dword:0
"fAllowToGetHelp"=dword:0
"fEnableChatControl"=dword:0
"MaxTicketExpiry"=dword:0
"MaxTicketExpiryUnits"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\System\ControlSet002\Control\Remote Assistance]
"CreateEncryptedOnlyTickets"=dword:1
"fAllowFullControl"=dword:0
"fAllowToGetHelp"=dword:0
"fEnableChatControl"=dword:0
"MaxTicketExpiry"=dword:0
"MaxTicketExpiryUnits"=dword:0
; * Turn OFF remote administration/assistance/desktop/management services:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAuto]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RasAuto]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RasAuto]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RasMan]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RasMan]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteRegistry]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RemoteRegistry]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RemoteRegistry]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RemoteAccess]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RemoteAccess]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WinRM]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\WinRM]
"Start"=dword:4
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\WinRM]
"Start"=dword:4
;
------End cut & paste here------
```

Restart/reboot Windows for all changes to take effect.

See also "* Turn OFF/disable Remote Assistance, Remote (Auto) Connection Manager, Remote Registry, Remote Management (WinRM) + uninstall Quick Assist in Windows 10/11:" topic in WIN10.TXT (included):

http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.TXT
http://www.mdgx.com/WIN10.pdf

To (re)enable all Remote Assistance, Administration, Desktop + Management WF rule(s) run these commands (example):

```
NETSH.EXE advfirewall firewall set rule group="Remote" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Assistance" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Administration" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Desktop" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Event" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Event Log" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Event Log Management" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Event Monitor" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Management" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Scheduled" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Scheduled Tasks" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Scheduled Tasks Management" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Service" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Service Management" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Volume" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Remote Volume Management" new enable=yes
```

NETSH.EXE advfirewall firewall set rule group="Routing and Remote" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Routing and Remote Access" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Windows Remote" new enable=yes
NETSH.EXE advfirewall firewall set rule group="Windows Remote Management" new enable=yes
NETSH.EXE advfirewall set allprofiles settings remotemanagement enable
and then (re)enable all Windows Remote Assistance, Administration, Desktop + Management options in Control Panel (see above)
-> System -> Remote Settings -> enable/check all check boxes/options -> Apply/OK.
Also, make sure all services that contain the word "remote" in their names are either on Automatic or Manual:
Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
services.msc
press Enter -> double-click on each service with "remote" in its name that is Disabled -> Startup type: -> select Manual
-> click Apply/OK.
Turn ON (set to Manual, when needed) these interconnected/interdependent/interrelated services:
Remote Access Auto Connection Manager [RasAuto]
Remote Access Connection Manager [RasMan]
Remote Registry [RemoteRegistry]
Routing and Remote Access [RemoteAccess]
Windows Remote Management (WS-Management) [WinRM]
Run... [hold WinKey + press R] -> type:
services.msc
-> press Enter -> double-click each service above -> Stop (if running) -> Startup type: -> Manual -> Apply/OK.
OR (if above doesn't work):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
ECHO Y|NET.EXE STOP RasAuto
SC.EXE CONFIG RasAuto START= demand
ECHO Y|NET.EXE STOP RasMan
SC.EXE CONFIG RasMan START= demand
ECHO Y|NET.EXE STOP RemoteRegistry
SC.EXE CONFIG RemoteRegistry START= demand
ECHO Y|NET.EXE STOP RemoteAccess
SC.EXE CONFIG RemoteAccess START= demand
ECHO Y|NET.EXE STOP WinRM
SC.EXE CONFIG WinRM START= demand
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RasAuto" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RasAuto" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RasAuto" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RasMan" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RasMan" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RasMan" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RemoteRegistry" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RemoteRegistry" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RemoteRegistry" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\RemoteAccess" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\RemoteAccess" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\RemoteAccess" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\CurrentControlSet\Services\WinRM" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet001\Services\WinRM" /v Start /t REG_DWORD /d 3 /f
REG.EXE ADD "HKLM\SYSTEM\ControlSet002\Services\WinRM" /v Start /t REG_DWORD /d 3 /f
:END
EXIT
```

------End cut & paste here------
Command line REGistry console EXEcutable [REG.EXE] is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
REG.EXE command line options, parameters + switches:
http://learn.microsoft.com/windows-server/administration/windows-commands/reg/
http://www.ss64.com/nt/reg.html
Restart/reboot Windows for all changes to take effect.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAuto]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RasAuto]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RasAuto]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RasMan]
```

```
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RasMan]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteRegistry]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RemoteRegistry]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RemoteRegistry]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RemoteAccess]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\RemoteAccess]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WinRM]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\WinRM]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\WinRM]
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Remote Assistance]
"fAllowFullControl"=dword:1
"fAllowToGetHelp"=dword:1
"fEnableChatControl"=dword:1
;
------End cut & paste here------
Restart/reboot Windows for all changes to take effect.
To connect to a remote assistant/chat room/helper/network/provider/etc: Start button/icon/logo/menu/orb -> Run... [hold
WinKey + press R] -> type:
msra.exe
and follow the step-by-step instructions of the screen.
Windows Remote Assistance (MsRA) [MSRA.EXE], Net(work) Resources Manager [NET.EXE], Net(work) Sh(ell) (NetSh) [NETSH.EXE],
Reg(istry) Editor + Manager [REG.EXE] + S(ervice) C(ontrol) [C(onfiguration)] [SC.EXE] executables (.exe) are all located in
the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
Windows Management Instrumentation Command [WMIC.EXE] executable (.exe) is located in the %WinDir%\SYSTEM32\WBEM
directory/folder.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
View firewall status for all connection types:
ECHO Y|NETSH.EXE advfirewall show allprofiles
View list of all IPv4 connection(s) (sub)interface(s):
NETSH.EXE interface ipv4 show subinterfaces
View all NetSh [NETSH.EXE] available command line options, switches + parameters:
NETSH.EXE /?

* Turn OFF/block unnecessary, obsolete, insecure/unsafe TCP/IP NetBIOS (Network Basic Input/Output System) Helper service
[lmhosts], NetBIOS Interface driver [NetBIOS], NetBT service [NetBT] + NetBIOS over TCP/IP (NetBT, NBT) protocols for
internet/network connections IF *not* using/connecting to/depending on network(s)/remote/shared computer(s)/server(s), +/-
not administering/deploying/maintaining/managing/running/servicing network(s)/server(s) using insecure/obsolete/outdated
NetBIOS/NetBT/NBT services, +/- sharing data/files/printers over internet/network(s) who connect to/depend on/use
NetBIOS/NetBT/NBT connection(s)/interface(s)/protocol(s) in Windows 7/newer:
http://en.wikipedia.org/wiki/NetBIOS_over_TCP/IP
http://windowsreport.com/how-to-disable-netbios/
http://support.microsoft.com/kb/313314/
http://10dsecurity.com/saying-goodbye-netbios/
http://technet.microsoft.com/library/cc940063.aspx
http://support.hidemyass.com/hc/articles/202720396/
http://www.techrepublic.com/blog/it-security/the-problem-with-netbios/
http://www.thewindowsclub.com/how-to-disable-lmhosts-lookup-using-powershell-registry-or-adapter-properties/
http://forums.techguy.org/threads/locking-down-windows.829647/
http://batcmd.com/windows/10/services/lmhosts/
http://batcmd.com/windows/10/services/netbios/
http://batcmd.com/windows/10/services/netbt/
http://learn.microsoft.com/troubleshoot/windows-server/networking/disable-netbios-tcp-ip-using-dhcp/
http://learn.microsoft.com/troubleshoot/windows-server/networking/direct-hosting-of-smb-over-tcpip/
http://learn.microsoft.com/troubleshoot/windows-server/networking/configure-tcpip-networking-netbios-turn-off/
http://woshub.com/how-to-disable-netbios-over-tcpip-and-llmnr-using-gpo/
http://support.microsoft.com/kb/832017/
http://learn.microsoft.com/windows-server/networking/technologies/wins/wins-top/
http://en.wikipedia.org/wiki/Windows_Internet_Name_Service
CAUTION:
********
This requires adequate/basic knowledge about critical computing, operating systems, shared environments, networks,
cybersecurity.
http://www.mdgx.com/importnt.php
Recommended for single user environments without any add-ons/components/extensions/extras/features/services which may
require specific configurations/items/properties/settings for proper operation.
Not recommended for multiuser/networked/shared/education/enterprise/server environments which use these
features/functions/protocols/services.
```

TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[-HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lmhosts\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lmhosts]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:3
[-HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters]
"EnableLMHOSTS"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces]
"NetbiosOptions"=dword:2
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\lmhosts\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\lmhosts]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NetBIOS\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NetBIOS]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:3
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NetBT\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NetBT]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NetBT\Parameters]
"EnableLMHOSTS"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\NetBT\Parameters\Interfaces]
"NetbiosOptions"=dword:2
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\lmhosts\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\lmhosts]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:4
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NetBIOS\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NetBIOS]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:3
[-HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NetBT\Security]
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NetBT]
"LaunchProtected"=dword:0
"UserServiceFlags"=dword:0
"Start"=dword:3
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NetBT\Parameters]
"EnableLMHOSTS"=dword:0
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\NetBT\Parameters\Interfaces]
"NetbiosOptions"=dword:2
;
------End cut & paste here------
```

Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type this command:
CONTROL.EXE /name Microsoft.NetworkAndSharingCenter
OR:
Control Panel (CP) -> Network and Sharing Center -> Active Networks -> click item right side of Connections: -> "your Internet/Network Connection name" icon/item -> Properties button -> Networking tab -> This connection is using the following items: -> Internet Protocol Version 4 (TCP/IPv4) -> General tab -> Advanced... button -> WINS (Windows Internet Name Service) tab -> UNcheck Enable LMHOSTS lookup box -> NetBIOS setting -> check Disable NetBIOS over TCP/IP box -> Apply/OK.
http://www.thewindowsclub.com/wp-content/uploads/2020/11/Disable-NetBIOS-over-TCP-IP.png
IF *not* using/connecting to/depending on any network(s)/server(s)/printer(s) (see further above) using insecure/obsolete/outdated NetBIOS (NetBT, NBT) protocol(s)/interface(s), you can create custom (new) Windows (Defender) Firewall [W(D)F] rules to block all TCP + UDP requests for both directions [IN (incoming/ingress/inbound) + OUT (egress/outbound/outgoing)] for all 4 vulnerable local ports [137, 138, 139 + 445] used by NetBIOS (NetBT, NBT):
http://www.grc.com/port_137.htm
http://www.grc.com/port_138.htm

http://www.grc.com/port_139.htm
http://www.grc.com/port_445.htm
Create custom Windows (Defender) Firewall [W(D)F] rules to achieve this (examples):
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run
as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_137_TCP_IN" protocol=tcp localport=137 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_137_TCP_OUT" protocol=tcp localport=137 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_137_UDP_IN" protocol=udp localport=137 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_137_UDP_OUT" protocol=udp localport=137 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_138_TCP_IN" protocol=tcp localport=138 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_138_TCP_OUT" protocol=tcp localport=138 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_138_UDP_IN" protocol=udp localport=138 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_138_UDP_OUT" protocol=udp localport=138 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_139_TCP_IN" protocol=tcp localport=139 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_139_TCP_OUT" protocol=tcp localport=139 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_139_UDP_IN" protocol=udp localport=139 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_139_UDP_OUT" protocol=udp localport=139 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_445_TCP_IN" protocol=tcp localport=445 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_445_TCP_OUT" protocol=tcp localport=445 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_445_UDP_IN" protocol=udp localport=445 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_NetBIOS_port_445_UDP_OUT" protocol=udp localport=445 dir=out action=block enable=yes
:END
EXIT
```

------End cut & paste here------
Network Shell (NetSh) [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
View all NetSh [NETSH.EXE] available command line options, switches + parameters:
NETSH.EXE /?

* Turn OFF/block all TCP + UDP requests in both directions (incoming + outgoing) for local port 135 used by E(P)MAP (End
Point Mapper) protocol for DCE (Distributed Computing Environment)/DCP (Deferred Procedure Call)/RPC (Remote Procedure Call)
Locator service, not needed *IF* not administering/deploying/managing/maintaining/running/servicing network(s)/server(s)
that connect to/depend on/need/require/use this potocol/service, by creating custom (new) Windows (Defender) Firewall
[W(D)F] rules (examples):
http://whatportis.com/ports/135_microsoft-epmap/
http://www.grc.com/port_135.htm
http://www.speedguide.net/port.php?port=135
http://en.wikipedia.org/wiki/Port_135
http://learn.microsoft.com/windows/security/threat-protection/windows-firewall/create-inbound-rules-to-support-rpc/
http://learn.microsoft.com/troubleshoot/windows-server/networking/configure-rpc-dynamic-port-allocation-with-firewalls/
http://en.wikipedia.org/wiki/Deferred_Procedure_Call
http://en.wikipedia.org/wiki/DCE/RPC
http://en.wikipedia.org/wiki/Microsoft_RPC
http://en.wikipedia.org/wiki/Remote_procedure_call
http://en.wikipedia.org/wiki/Distributed_Computing_Environment
From a DOS console (command prompt) -> right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands ->
press Enter after each line (examples):

```
NETSH.EXE advfirewall firewall add rule name="Block_EMAP_port_135_TCP_IN" protocol=tcp localport=135 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_EMAP_port_135_TCP_OUT" protocol=tcp localport=135 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_EMAP_port_135_UDP_IN" protocol=udp localport=135 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_EMAP_port_135_UDP_OUT" protocol=udp localport=135 dir=out action=block enable=yes
```

See "* Control/optimize/secure advanced Windows (Defender) Firewall [W(D)F] behavior using Network Shell (NetSh) [NETSH.EXE]
DOS console command line tool in Windows 7/newer:" topic (further above) to disable all Remote Assistance, Administration,
Desktop + Management RPC/E(P)MAP Windows (Defender) Firewall [W(D)F] rules using Network Shell (NetSh) [NETSH.EXE] DOS
console command line tool.
Network Shell (NetSh) [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
View all NetSh [NETSH.EXE] available command line options, switches + parameters:
NETSH.EXE /?

* FIX: Block/stop Microsoft from tracking + spying on you behind your back using Windows (Defender) Firewall [W(D)F] custom
firewall rules in Windows 7/newer:
http://www.winaero.com/blog/stop-windows-10-spying-on-you-using-just-windows-firewall/
File:
http://www.winaero.com/download.php?view.1839
http://www.winaero.com/downloads/block_telemetry.zip
1. Use an unZIPping/unARChiving/unRARing tool [free(ware)]

http://www.mdgx.com/toy.htm#ZIP
to open "block_telemetry.zip" archive and extract "add rules.cmd" + "rules.ps1" into the same dedicated/empty directory/folder.
2. Open Explorer/similar/replacement -> right-click "add rules.cmd" -> Run as Administrator -> wait for all W(D)F rules to be created -> exit BATch CoMmanD script file.
3. Done.

* Turn ON DNS Client (DNS Cache) service for Windows Firewall Control (WFC) notifications + network discovery functions in Windows 7/newer:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: DNS Client caches Domain Name System names (DNS Cache service):
SC.EXE CONFIG DNSCache START= demand
ECHO Y|NET.EXE START DNSCache
:: DNS Cache can be flushed ONLY if DNS Cache service is running:
START /WAIT IPCONFIG.EXE /flushdns
:END
EXIT
```

------End cut & paste here------
IPConfig [IPCONFIG.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Windows Firewall Control (WFC) 32-bit + 64-bit for Windows 7/newer extends Windows (Defender) Firewall [W(D)F] functionality + adds extra features, highly customizable:
http://www.binisoft.org/wfc.php
File:
http://www.binisoft.org/download/wfc6setup.exe
Requires Microsoft .NET Framework Redistributable (NFR) 4.5/newer:
http://www.mdgx.com/add.htm#NFR
MDGx 10_BLOCK DNS Cache service batch CoMmanD (.CMD) files (both included),
STARTDNS.CMD
STOP!DNS.CMD
are also available online [renamed as TeXT = .TXT]:
http://www.mdgx.com/10BLK/STARTDNS.CMD.TXT
http://www.mdgx.com/10BLK/STOP!DNS.CMD.TXT
If you prefer -> download them both to your computer/device -> rename .TXT extension to .CMD for both files -> right-click on each 1 -> Run as Administrator.
STARTDNS.CMD + STOP!DNS.CMD = both detailed in 10_BLOCK.TXT (included):
http://www.mdgx.com/10BLK/10_BLOCK.php
http://www.mdgx.com/10BLK/10_BLOCK.TXT
MDGx "HOSTS Guide" -> "DNS Client Service":
http://www.mdgx.com/hosts.php#N2
Wikipedia: DNS caching:
http://en.wikipedia.org/wiki/Name_server#Caching_name_server

* FIX: Turn ON automatic access, detection, discovery, announcement, broadcast, notification of connected/installed/networked computers, UPnP (Universal Plug n' Play) devices + services over the internet/network in Windows 7/newer:
http://answers.microsoft.com/en-us/windows/forum/all/why-do-i-get-the-message-network-discovery-is/a6964130-5f98-4640-a064-f59fae974ad3/
http://answers.microsoft.com/en-us/windows/forum/windows_10-networking/connecting-pcs-and-users-for-sharing/fb92e439-5dbc-4367-9857-1ef360e9ffdf/
http://www.tenforums.com/tutorials/49652-turn-off-network-discovery-windows-10-a.html
http://www.itechguides.com/windows-10-network-discovery/
http://www.wintips.org/fix-windows-10-network-computers-not-showing/
http://windowsreport.com/file-explorer-detect-network-devices-fix/
http://support.microsoft.com/kb/2722035/
http://en.wikipedia.org/wiki/Universal_Plug_and_Play
http://www.upguard.com/blog/what-is-upnp/
http://en.wikipedia.org/wiki/Simple_Service_Discovery_Protocol
Enable + Start [*only* as needed = on Demand] these Windows services:
- DNS Client (Dnscache)
- Function Discovery Provider Host (fdPHost)
- Function Discovery Resource Publication (FDResPub)
- HomeGroup Listener (HomeGroupListener)
- HomeGroup Provider (HomeGroupProvider)
- SSDP Discovery (SSDPSRV)
- TCP/IP NetBIOS Helper (lmhosts)
- UPnP Device Host (upnphost).
In case you're using a large HOSTS file with thousands (or even more) of redirected servers [like I do ;-/], the DNS Cache service (if started) may take too long to process all the servers listed in the HOSTS file.
In such cases it is recommended to flush the DNS Cache -> see this command line (included in the BATch file below):
START /WAIT IPCONFIG.EXE /flushdns
IPConfig [IPCONFIG.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].

View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
More info @ MDGx "HOSTS Files, Guides + Tools":
http://www.mdgx.com/hosts.php#N2
The HOSTS file is located in the %WinDir%\SYSTEM32\Drivers\ETC directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: DNS Client caches Domain Name System names (DNS Cache service):
SC.EXE CONFIG DNSCache START= demand
ECHO Y|NET.EXE START DNSCache
:: DNS Cache can be flushed ONLY if DNS Cache service is running:
START /WAIT IPCONFIG.EXE /flushdns
:: Function Discovery Provider Host (fdPHost) service:
SC.EXE CONFIG fdPHost START= demand
ECHO Y|NET.EXE START fdPHost
:: Function Discovery Resource Publication (FDResPub) service:
SC.EXE CONFIG FDResPub START= demand
ECHO Y|NET.EXE START FDResPub
:: HomeGroup Listener (HomeGroupListener) service:
SC.EXE CONFIG HomeGroupListener START= demand
ECHO Y|NET.EXE START HomeGroupListener
:: HomeGroup Provider (HomeGroupProvider) service:
SC.EXE CONFIG HomeGroupProvider START= demand
ECHO Y|NET.EXE START HomeGroupProvider
:: SSDP Discovery (SSDPSRV) service:
SC.EXE CONFIG SSDPSRV START= demand
ECHO Y|NET.EXE START SSDPSRV
:: TCP/IP NetBIOS Helper (lmhosts) service:
SC.EXE CONFIG lmhosts START= demand
ECHO Y|NET.EXE START lmhosts
:: UPnP Device Host (upnphost) service:
SC.EXE CONFIG upnphost START= demand
ECHO Y|NET.EXE START upnphost
NETSH.EXE advfirewall firewall set rule group="Network Discovery" new enable=yes
:END
EXIT
```

------End cut & paste here------
IPConfig [IPCONFIG.EXE], Net(work) Resources Manager [NET.EXE], Net(work) Sh(ell) (NetSh) [NETSH.EXE] + S(ervice) C(ontrol)
[C(onfiguration)] [SC.EXE] executables are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.

* FIX: Turn OFF automatic access, detection, discovery, announcement, broadcast, notification of
connected/installed/networked computers, UPnP (Universal Plug n' Play) devices + services over the internet/network by
blocking local ports 1900 + 5000 TCP (Transmission Control Protocol) + UDP (User Datagram Protocol) IN (inbound) + OUT
(outbound) access/broadcast/queries/requests/traffic used by SSDP (Simple Service Discovery Protocol) to avoid/prevent
malicious attacks/exploits/hacks over UPnP network in case of security flaws/vulnerabilities in Windows 7/newer:
http://whatportis.com/ports/1900_microsoft-ssdp-enables-discovery-of-upnp-devices/
http://www.grc.com/port_1900.htm
http://www.speedguide.net/port.php?port=1900
http://whatportis.com/ports/5000_upnp-windows-network-device-interoperability/
http://www.grc.com/port_5000.htm
http://www.speedguide.net/port.php?port=5000
http://en.wikipedia.org/wiki/Universal_Plug_and_Play#Problems
http://en.wikipedia.org/wiki/Simple_Service_Discovery_Protocol
http://www.upguard.com/blog/what-is-upnp/
http://en.wikipedia.org/wiki/Transmission_Control_Protocol
http://en.wikipedia.org/wiki/User_Datagram_Protocol
Method #1:
****
Block/disable/turn OFF both IN (inbound) + OUT (outbound) internet/network/remote
access/connections/queries/requests/traffic through ports 1500 + 9000 used by SSDP (Simple Service Discovery Protocol) by
creating custom Windows (Defender) Firewall [W(D)F] rules.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT

to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_1900_TCP_IN" protocol=tcp localport=1900 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_1900_TCP_OUT" protocol=tcp localport=1900 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_1900_UDP_IN" protocol=udp localport=1900 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_1900_UDP_OUT" protocol=udp localport=1900 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_5000_TCP_IN" protocol=tcp localport=5000 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_5000_TCP_OUT" protocol=tcp localport=5000 dir=out action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_5000_UDP_IN" protocol=udp localport=5000 dir=in action=block enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_SSDP_port_5000_UDP_OUT" protocol=udp localport=5000 dir=out action=block enable=yes
:END
EXIT
```

------End cut & paste here------
Net(work) Sh(ell) (NetSh) [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Method #2:
****
Stop + Disable SSDP Discovery (SSDPSRV) + UPnP Device Host (upnphost) Windows services.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: SSDP Discovery (SSDPSRV) service:
ECHO Y|NET.EXE STOP SSDPSRV
SC.EXE CONFIG SSDPSRV START= disabled
:: UPnP Device Host (upnphost) service:
ECHO Y|NET.EXE STOP upnphost
SC.EXE CONFIG upnphost START= disabled
:END
EXIT
```

------End cut & paste here------
CAUTION:
****
In case your computer(s), connected device(s) and/or app(lication)s/programs/services/software/tools start exhibiting errors, failure, malfunction, or refuse to start you need to reenable + restart [*only* as needed = on Demand] those 2 Windows services by using script file below.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: SSDP Discovery (SSDPSRV) service:
SC.EXE CONFIG SSDPSRV START= demand
ECHO Y|NET.EXE START SSDPSRV
:: UPnP Device Host (upnphost) service:
SC.EXE CONFIG upnphost START= demand
ECHO Y|NET.EXE START upnphost
:END
EXIT
```

------End cut & paste here------
Net(work) Resources Manager [NET.EXE] + S(ervice) C(ontrol) [C(onfiguration)] [SC.EXE] executables are all located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Method #3:
****
Use a dedicated tool [freeware]:
UnPlug n' Pray [UnPnP.exe] blocks internet/networking ports 1900 + 5000 TCP + UDP IN (inbound) + OUT (outbound) access/broadcast/queries/requests/traffic used by SSDP (Simple Service Discovery Protocol) to avoid/prevent malicious attacks/exploits/hacks over uPnP (Universal Plug n' Play) network in case of security flaws/vulnerabilities:
http://www.grc.com/unpnp/unpnp.htm
File [Portable EXE]:
http://www.grc.com/files/UnPnP.exe

Port 1900:
http://whatportis.com/ports/1900_microsoft-ssdp-enables-discovery-of-upnp-devices/
http://www.grc.com/port_1900.htm
http://www.speedguide.net/port.php?port=1900
Port 5000:
http://whatportis.com/ports/5000_upnp-windows-network-device-interoperability/
http://www.grc.com/port_5000.htm
http://www.speedguide.net/port.php?port=5000
Wikipedia: UPnP (Universal Plug n' Play) Problems:
http://en.wikipedia.org/wiki/Universal_Plug_and_Play#Problems

* FIX: Turn OFF/block Windows Update (WU) service [wuauserv] by creating custom Windows (Defender) Firewall [W(D)F] rules (example):
http://social.technet.microsoft.com/forums/lync/62b9fd5c-10b2-4266-bc15-fcf3e79d20d4/
In order for Windows Update (WU) to check whether an update is available and then approve to download the update file(s) 1st you need to create an Outbound Rule to block the WU service (wuauserv) pass through: Start button/icon/logo/menu/orb -> Run... [hold WinKey + press R] -> type:
wf.msc
-> OK/Enter -> Windows (Defender) Firewall [W(D)F] with Advanced Security -> create new Outbound Rule to block %SystemRoot%\SYSTEM32\svchost.exe from passing through both ways [IN (inbound) + OUT (outbound)] on behalf of Windows Update (WU) service [wuauserv]:
wuauserv
Name: Block wuauserv OUTBOUND
Group:
Profile: All
Enabled: Yes
Action: Block
Program: %SystemRoot%\SYSTEM32\svchost.exe
Local Address: Any
Remote Address: Any
Protocol: Any
Local Port: Any
Remote Port: Any
Allowed Computers: Any
Status: Ok
Service: wuauserv
Rule Source: Local Setting
Interface Type: All interface types
Excepted Computers: None
Description:
To close the outbound firewall:
Outbound connections -> Blocked (unless explicitly blocked by specific rule).
By default (built-in/preinstalled/preset firewall rules) everything is Allowed, so the outbound firewall is wide open.
TIP:
****
Windows NTx built-in/default/pre-installed/preset machine/system (apply to all managed/registered users on the same machine/system) + local/user (apply only to current logged on/signed in user) environment variables used for target system/user directories/folders:
http://www.ss64.com/nt/syntax-variables.html
http://pureinfotech.com/list-environment-variables-windows-10/
http://www.computerhope.com/issues/ch000549.htm
- %SystemRoot% = usually C:\WINDOWS [same as %WinDir%].
- %WinDir% = usually C:\WINDOWS [same as %SystemRoot%].
CAUTION:
****
Windows operating system (OS) integrity, proper functionality + correct operation *depend* on the *validity* of *all* these system variables!
INvalid/wrong parameters can render Windows INoperable or/and UNbootable, and you may have to reinstall from scratch or repair your operating system (OS), eventually using the original storage media containing Windows Setup files!
Some of these variables can be added/customized/deleted/modified by using a Control Panel (CP)/Windows Settings (WS) tool:
Run... [hold WinKey + press R] -> type this command
SystemPropertiesAdvanced.exe
-> press Enter -> Advanced tab -> Environment Variables... button -> edit variables -> highlight respective line -> Edit button -> change parameters -> OK -> OK.
View the list of all your Windows operating system (OS) environment variables from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SET
-> press Enter.
OR
Save it to a plain text/ASCII (.txt) file: from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type same command above followed by the name of the file (in this example it will be saved in C:\ root)
SET>C:\Windows_Environment_Variables.txt
-> press Enter -> use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to view saved text file contents.
Example of Windows Vista/newer list of relevant environment variables [replace all User_Name instances with your actual user name]:
----------snippity-snip----------
ALLUSERSPROFILE=C:\ProgramData
APPDATA=C:\Users\User_Name\AppData\Roaming [OR: APPDATA=C:\Windows\system32\config\systemprofile\AppData\Roaming]
CommonProgramFiles=C:\Program Files\Common Files

```
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files [exists only in Windows 64-bit (x64)]
CommonProgramW6432=C:\Program Files\Common Files
ComSpec=C:\Windows\system32\cmd.exe
DriverData=C:\Windows\System32\Drivers\DriverData
HOMEDRIVE=C:
HOMEPATH=\WINDOWS\SYSTEM32 [OR: HOMEPATH=\Users\User_Name]
LOCALAPPDATA=C:\Users\User_Name\AppData\Local [OR: LOCALAPPDATA=C:\Windows\system32\config\systemprofile\AppData\Local]
OS=Windows_NT
ProgramData=C:\ProgramData
ProgramFiles=C:\Program Files
ProgramFiles(x86)=C:\Program Files (x86) [exists only in Windows 64-bit (x64)]
ProgramW6432=C:\Program Files
PSModulePath=%ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\system32\WindowsPowerShell\v1.0\Modules
PUBLIC=C:\Users\Public
SystemDrive=C:
SystemRoot=C:\Windows
TEMP=C:\Users\User_Name\AppData\Local\Temp [OR: TEMP=C:\Windows\TEMP]
TMP=C:\Users\User_Name\AppData\Local\Temp [OR: TMP=C:\Windows\TEMP]
USERNAME=User_Name
USERPROFILE=C:\Users\User_Name [OR: USERPROFILE=C:\Windows\system32\config\systemprofile]
windir=C:\Windows
----------snippity-snip----------

* FIX: Block main, most important, most frequently used IN (incoming/ingress/inbound) + OUT (egress/outbound/outgoing) TCP
(Transmission Control Protocol) + UDP (User Datagram Protocol) Google (Alphabet) Marketing Platform (GMP)
http://en.wikipedia.org/wiki/Google_Marketing_Platform
responsible for the most common + frequently encountered Google (Alphabet) ad(vertisement)s/adware, analytics, auditing,
collection/logging, fingerprinting, (geo)location detection, profiling, snooping, spying/spyware, surveillance, telemetry,
tracking/trackware sites dedicated to a single purpose -> maximizing financial profit by any means: advertisement,
commercialization, marketing, monetizing, promo(tion), sales through methods detrimental to
confidential/personal/privileged data/information/stats critical/essential/vital for protecting human privacy, safety +
security:
marketingplatform.google.com
doubleclick.com
doubleclick.net
adgoogle.net
adservice.google.com
google-analytics.com
googleads.com
googleadservices.com
googleanalytics.com
googleoptimize.com
googlesyndication.com
googletagmanager.com
googletagservices.com
tagmanager.google.com
connections/queries/requests/traffic using custom Windows (Defender) Firewall [W(D)F] rules in Windows 7/newer.
Since Windows (Defender) Firewall [W(D)F] cannot block a specific URL by domain name (DNS) [????????.???], you need to
obtain + convert each URL into its actual IPv4 IP(s) (some domains have more than 1 IP address, and some are configured
using DHCP to change/switch IPs dynamically over time).
IPv4 IP internet + network addresses are formatted as a 32-bit binary number configured into 4 numeric sets of minimum 1 and
maximum 3 decimal 8 bits/character (8-bit) digits each, separated by dots [.], and each ranging from 0 to 255
[???.???.???.??? where ??? = 0-255].
http://en.wikipedia.org/wiki/IP_address
FYI:
Listings of all Google (Alphabet) domains/servers/URLs [over 6800 total!]:
http://github.com/nickspaargaren/no-google/
http://github.com/nickspaargaren/no-google/blob/master/google-domains/
Listings of all Google (Alphabet) domains/servers/URLs dedicated to ad(vertisement)s/adware, analytics, auditing,
collection/logging, fingerprinting, (geo)location detection, profiling, snooping, spying/spyware, surveillance, telemetry,
tracking/trackware [3 categories: analytics, doubleclick + 3rd party]:
https://raw.githubusercontent.com/nickspaargaren/no-google/master/categories/analyticsparsed
https://github.com/nickspaargaren/no-google/blob/master/categories/analytics.txt
https://github.com/nickspaargaren/no-google/blob/master/categories/doubleclickparsed
https://github.com/nickspaargaren/no-google/blob/master/categories/doubleclick.txt
https://github.com/nickspaargaren/no-google/blob/master/categories/thirdpartyparsed
https://github.com/nickspaargaren/no-google/blob/master/categories/thirdparty.txt
In the BATch (.bat)/CoMmanD (.cmd) script file below the custom Windows (Defender) Firewall [W(D)F] rules block all URLs
listed above.
I have used these 3 web sites to lookup all their DNS + IPv4 IP addresses + public records, and obtain their WHOIS data
[current as of june + july 2025 = they change periodically!]:
http://urlscan.io/
http://who.is/
http://www.virustotal.com/
Here they are [valid for june + july 2025]:
**************************************************************************
marketingplatform.google.com
doubleclick.com
doubleclick.net
http://urlscan.io/result/01979fa2-ca43-77d2-b8ed-b359049513e8/
http://urlscan.io/result/0197712b-f53f-760d-b30e-14c72e16f9b5/
http://who.is/whois/marketingplatform.google.com
```

http://who.is/whois/doubleclick.com
http://who.is/whois/doubleclick.net
http://www.virustotal.com/gui/domain/doubleclick.net
142.250.178.142
142.250.185.238
142.250.201.174
142.250.31.97
142.250.75.238
142.251.111.113
142.251.163.100
142.251.167.95
142.251.179.94
142.251.189.100
142.251.189.101
142.251.189.102
142.251.189.113
142.251.189.138
142.251.189.139
172.217.204.100
172.217.204.101
172.217.204.102
172.217.204.113
172.217.204.138
172.217.204.139
172.253.115.139
172.253.122.94
172.253.62.132
173.194.64.100
173.194.64.101
173.194.64.102
173.194.64.113
173.194.64.138
173.194.64.139
192.178.129.100
192.178.129.101
192.178.129.102
192.178.129.113
192.178.129.138
192.178.129.139
192.178.155.100
192.178.155.101
192.178.155.102
192.178.155.113
192.178.155.138
192.178.155.139
192.178.155.95
192.178.212.100
192.178.212.101
192.178.212.102
192.178.212.113
192.178.212.138
192.178.212.139
192.178.218.100
192.178.218.101
192.178.218.102
192.178.218.113
192.178.218.138
192.178.218.139
216.58.210.174
****
adgoogle.net
http://urlscan.io/result/019777f6-9df4-7754-ba33-ef01edcb9de8/
http://who.is/whois/adgoogle.net
216.239.32.27
172.217.16.196
****
adservice.google.com
http://urlscan.io/result/019775e5-2401-77af-ad6d-21a1c9f7d5d3/
http://who.is/whois/adservice.google.com
172.253.63.154
216.58.206.34
****
google-analytics.com
http://urlscan.io/result/019771a6-1608-768f-802f-a1df363c6bfb/
http://who.is/whois/google-analytics.com
142.250.31.106
172.217.16.206
142.250.186.174
142.250.186.36
142.250.185.164
216.58.206.74
216.58.212.131

216.58.206.33
142.250.186.42
142.250.181.227
216.58.212.168
172.217.18.14
142.250.184.194
172.217.16.194
142.250.186.35
****
googleads.com
http://who.is/whois/googleads.com
googletagservices.com
http://who.is/whois/googletagservices.com
216.239.32.10
216.239.34.10
216.239.36.10
216.239.38.10
****
googleadservices.com
http://urlscan.io/result/019771ad-48fa-77bf-a396-7fa113a67500/
http://who.is/whois/googleadservices.com
172.253.62.154
142.251.167.156
142.250.185.130
142.251.167.156
142.251.163.103
****
ads.google.com
http://who.is/whois/ads.google.com
142.251.179.138
****
googleanalytics.com
http://urlscan.io/result/019771b7-bb63-743b-b96d-8b38d58b9206/
http://who.is/whois/googleanalytics.com
142.250.185.206
142.251.111.106
****
googleoptimize.com
http://urlscan.io/result/019771b8-e50f-773a-a16b-c1b917a86a53/
http://who.is/whois/googleoptimize.com
142.250.185.142
142.250.186.132
172.253.122.101
****
googlesyndication.com
http://urlscan.io/result/019771ba-d967-705b-9eca-d2ad7bc8fe43/
http://who.is/whois/googlesyndication.com
172.217.16.196
142.250.181.228
142.250.185.164
172.217.16.196
142.250.185.227
142.250.185.99
142.250.186.42
142.250.184.238
172.253.62.147
****
googletagmanager.com
http://urlscan.io/result/019771bd-70ae-73d9-94c6-3bf31843aa4e/
http://who.is/whois/googletagmanager.com
142.251.16.97
216.58.206.72
142.251.16.103
142.251.163.97
****
tagmanager.google.com
http://urlscan.io/result/019771c2-88ab-7308-89a2-1a40f6a1951e/
http://who.is/whois/tagmanager.google.com
142.250.27.84
142.251.111.101
****
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
NETSH.EXE advfirewall firewall add rule name="Block_Google_doubleclick_2025_+_marketingplatform_IN" dir=in action=block
remoteip=142.250.178.142,142.250.185.238,142.250.201.174,142.250.31.97,142.250.75.238,142.251.111.113,142.251.163.100,142.251.167.95,142.2

```
51.179.94,142.251.189.100,142.251.189.101,142.251.189.102,142.251.189.113,142.251.189.138,142.251.189.139,172.217.204.100,172.217.204.101,
172.217.204.102,172.217.204.113,172.217.204.138,172.217.204.139,172.253.115.139,172.253.122.94,172.253.62.132,173.194.64.100,173.194.64.10
1,173.194.64.102,173.194.64.113,173.194.64.138,173.194.64.139,192.178.129.100,192.178.129.101,192.178.129.102,192.178.129.113,192.178.129.
138,192.178.129.139,192.178.155.100,192.178.155.101,192.178.155.102,192.178.155.113,192.178.155.138,192.178.155.139,192.178.155.95,192.178
.212.100,192.178.212.101,192.178.212.102,192.178.212.113,192.178.212.138,192.178.212.139,192.178.218.100,192.178.218.101,192.178.218.102,1
92.178.218.113,192.178.218.138,192.178.218.139,216.58.210.174 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_doubleclick_2025_+_marketingplatform_OUT" dir=out action=block
remoteip=142.250.178.142,142.250.185.238,142.250.201.174,142.250.31.97,142.250.75.238,142.251.111.113,142.251.163.100,142.251.167.95,142.2
51.179.94,142.251.189.100,142.251.189.101,142.251.189.102,142.251.189.113,142.251.189.138,142.251.189.139,172.217.204.100,172.217.204.101,
172.217.204.102,172.217.204.113,172.217.204.138,172.217.204.139,172.253.115.139,172.253.122.94,172.253.62.132,173.194.64.100,173.194.64.10
1,173.194.64.102,173.194.64.113,173.194.64.138,173.194.64.139,192.178.129.100,192.178.129.101,192.178.129.102,192.178.129.113,192.178.129.
138,192.178.129.139,192.178.155.100,192.178.155.101,192.178.155.102,192.178.155.113,192.178.155.138,192.178.155.139,192.178.155.95,192.178
.212.100,192.178.212.101,192.178.212.102,192.178.212.113,192.178.212.138,192.178.212.139,192.178.218.100,192.178.218.101,192.178.218.102,1
92.178.218.113,192.178.218.138,192.178.218.139,216.58.210.174 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_adgoogle_IN" dir=in action=block remoteip=216.239.32.27,172.217.16.196
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_adgoogle_OUT" dir=out action=block remoteip=216.239.32.27,172.217.16.196
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_adservice-google_IN" dir=in action=block remoteip=172.253.63.154,216.58.206.34
enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_adservice-google_OUT" dir=out action=block
remoteip=172.253.63.154,216.58.206.34 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_google-analytics_IN" dir=in action=block
remoteip=142.250.31.106,172.217.16.206,142.250.186.174,142.250.186.36,142.250.185.164,216.58.206.74,216.58.212.131,216.58.206.33,142.250.1
86.42,142.250.181.227,216.58.212.168,172.217.18.14,142.250.184.194,172.217.16.194,142.250.186.35 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_google-analytics_OUT" dir=out action=block
remoteip=142.250.31.106,172.217.16.206,142.250.186.174,142.250.186.36,142.250.185.164,216.58.206.74,216.58.212.131,216.58.206.33,142.250.1
86.42,142.250.181.227,216.58.212.168,172.217.18.14,142.250.184.194,172.217.16.194,142.250.186.35 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleads_+_googletagservices_IN" dir=in action=block
remoteip=216.239.32.10,216.239.34.10,216.239.36.10,216.239.38.10 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleads_+_googletagservices_OUT" dir=out action=block
remoteip=216.239.32.10,216.239.34.10,216.239.36.10,216.239.38.10 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleadservices_IN" dir=in action=block
remoteip=172.253.62.154,142.251.167.156,142.250.185.130,142.251.167.156,142.251.163.103 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleadservices_OUT" dir=out action=block
remoteip=172.253.62.154,142.251.167.156,142.250.185.130,142.251.167.156,142.251.163.103 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_ads-google_IN" dir=in action=block remoteip=142.251.179.138 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_ads-google_OUT" dir=out action=block remoteip=142.251.179.138 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleanalytics_IN" dir=in action=block
remoteip=142.250.185.206,142.251.111.106 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleanalytics_OUT" dir=out action=block
remoteip=142.250.185.206,142.251.111.106 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleoptimize_IN" dir=in action=block
remoteip=142.250.185.142,142.250.186.132,172.253.122.101 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googleoptimize_OUT" dir=out action=block
remoteip=142.250.185.142,142.250.186.132,172.253.122.101 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googlesyndication_IN" dir=in action=block
remoteip=172.217.16.196,142.250.181.228,142.250.185.164,172.217.16.196,142.250.185.227,142.250.185.99,142.250.186.42,142.250.184.238,172.2
53.62.147 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googlesyndication_OUT" dir=out action=block
remoteip=172.217.16.196,142.250.181.228,142.250.185.164,172.217.16.196,142.250.185.227,142.250.185.99,142.250.186.42,142.250.184.238,172.2
53.62.147 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googletagmanager_IN" dir=in action=block
remoteip=142.251.16.97,216.58.206.72,142.251.16.103,142.251.163.97 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_googletagmanager_OUT" dir=out action=block
remoteip=142.251.16.97,216.58.206.72,142.251.16.103,142.251.163.97 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_tagmanager-google_IN" dir=in action=block
remoteip=142.250.27.84,142.251.111.101 enable=yes
NETSH.EXE advfirewall firewall add rule name="Block_Google_tagmanager-google_OUT" dir=out action=block
remoteip=142.250.27.84,142.251.111.101 enable=yes
:END
EXIT
------End cut & paste here------
Network Shell (NetSh) [NETSH.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually
C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
View all NetSh [NETSH.EXE] available command line options, switches + parameters:
NETSH.EXE /?
Reference:
Wikipedia: Dynamic Host Configuration Protocol (DHCP):
http://en.wikipedia.org/wiki/Dynamic_Host_Configuration_Protocol
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System
Wikipedia: Internet Protocol (IP):
http://en.wikipedia.org/wiki/Internet_Protocol
Wikipedia: Internet Protocol version 4 (IPv4):
http://en.wikipedia.org/wiki/IPv4
Wikipedia: Uniform Resource Locator (URL):
http://en.wikipedia.org/wiki/URL
```

Wikipedia: Transmission Control Protocol (TCP):
http://en.wikipedia.org/wiki/Transmission_Control_Protocol
Wikipedia: User Datagram Protocol (UDP):
http://en.wikipedia.org/wiki/User_Datagram_Protocol
Wikipedia: WHOIS:
http://en.wikipedia.org/wiki/WHOIS
See also GLOSSARY.TXT (included) for related terms, abbreviations, acronyms:
http://www.mdgx.com/glossary.htm

* *NEVER* block/disable/disallow/prevent/shut OFF/stop/terminate/turn OFF *any* of these
core/critical/essential/kernel/mandatory/required/vital Windows OS (Operating System) app(lication)s/EXEcutables
(.exe)/processes/programs/residents/services/tasks from accessing the internet and/or network(s) [if applicable]:
Process Name   Process Path
****
lsass.exe   %WinDir%\SYSTEM32\lsass.exe
services.exe   %WinDir%\SYSTEM32\services.exe
svchost.exe   %WinDir%\SYSTEM32\svchost.exe
wininit.exe   %WinDir%\SYSTEM32\wininit.exe
%WinDir% = usually C:\WINDOWS .
BEWARE:
****
If you do, Windows will *not* (re)boot/(re)start, become unusable, lose functionality, and/or you may even need to reinstall
or repair (install) your Windows Operating System (OS)!

* Windows 7/7 SP1 built-in/default/preinstalled/preset Windows (Defender) Firewall [(W(D)F] rules (examples):
http://technet.microsoft.com/network/bb545423/
http://technet.microsoft.com/library/ee126090/
http://www.sevenforums.com/tutorials/525-windows-firewall-restore-default-settings.html
http://www.thewindowsclub.com/reset-windows-firewall-settings/
http://www.howtogeek.com/201658/how-to-reset-the-windows-firewall-rules-to-default/
http://www.howtogeek.com/112564/how-to-create-advanced-firewall-rules-in-the-windows-firewall/
AET = Allow Edge Traversal
BET = Block Edge Traversal
Core Networking = INBOUND:
****
01. Destination Unreachable (ICMPv6) [AET]
02. Destination Unreachable Fragmentation Needed (ICMPv4) [BET]
03. DHCP [BET]
04. DHCP IPv6 (DHCPv6) [BET]
05. IGMP [BET]
06. TPHTTPS (TCP) = Allows IPHTTPS tunneling technology to provide connectivity across HTTP proxies + firewalls [BET]
07. IPv6 = Required to permit IPv6 traffic for ISATAP (intra site automatic tunnel addressing protocol) and 6-to-4
tunneling services [BET]
08. Multicast Listener Done (ICMPv6) [BET]
09. Multicast Listener Query (ICMPv6) [BET]
10. Multicast Listener Report (ICMPv6) [BET]
11. Multicast Listener Report v2 (ICMPv6) [BET]
12. Neighbor Discovery Advertisement (ICMPv6) [AET]
13. Neighbor Discovery Solicitation (ICMPv6) [AET]
14. Packet Too Big (ICMPv6) [AET]
15. Parameter Problem (ICMPv6) [AET]
16. Router Advertisement (ICMPv6) [BET]
17. Router Solicitation (ICMPv6) [BET]
18. Teredo (UDP) = Allows Teredo edge traversal. Provides address assignment + autotunneling for IPv6 traffic for
IPv6/IPv4 host located behind an IPv4 NAT [BET]
19. Time Exceeded (ICMPv6) [AET]
Core Networking = OUTBOUND:
****
01. DNS (UDP)
02. DHCP
03. DHCP IPv6 (DHCPv6)
04. Group Policy (LSASS) [DOMAIN ONLY]
05. Group Policy (NP) [DOMAIN ONLY]
06. Group Policy (TCP) [DOMAIN ONLY]
07. IGMP
08. TPHTTPS (TCP)
09. IPv6
10. Multicast Listener Done (ICMPv6)
11. Multicast Listener Query (ICMPv6)
12. Multicast Listener Report (ICMPv6)
13. Multicast Listener Report v2 (ICMPv6)
14. Neighbor Discovery Advertisement (ICMPv6)
15. Neighbor Discovery Solicitation (ICMPv6)
16. Packet Too Big (ICMPv6)
17. Parameter Problem (ICMPv6)
18. Router Advertisement (ICMPv6)
19. Router Solicitation (ICMPv6)
20. Teredo (UDP)
21. Time Exceeded (ICMPv6)
Reference:
Wikipedia: Dynamic Host Configuration Protocol (DHCP):
http://en.wikipedia.org/wiki/Dynamic_Host_Configuration_Protocol

Wikipedia: Hypertext Transfer Protocol Secure (HTTPS):
http://en.wikipedia.org/wiki/HTTPS
Wikipedia: Internet Control Message Protocol (ICMP):
http://en.wikipedia.org/wiki/Internet_Control_Message_Protocol
Wikipedia: Internet Protocol (IP):
http://en.wikipedia.org/wiki/Internet_Protocol
Wikipedia: Internet Protocol version 4 (IPv4):
http://en.wikipedia.org/wiki/IPv4
Wikipedia: Internet Protocol version 6 (IPv6):
http://en.wikipedia.org/wiki/IPv6
Wikipedia: Local Security Authority Subsystem Service (LSASS):
http://en.wikipedia.org/wiki/Local_Security_Authority_Subsystem_Service
Wikipedia: Transmission Control Protocol (TCP):
http://en.wikipedia.org/wiki/Transmission_Control_Protocol
Wikipedia: User Datagram Protocol (UDP):
http://en.wikipedia.org/wiki/User_Datagram_Protocol

* Fort Firewall (FFw) 64-bit for Windows 10/newer 64-bit (x64) + 32-bit for Windows 7/newer 32-bit (x86) + 64-bit (x64) controls network traffic, provides protective barrier against potential cyber threats, data breaches, malware, prevents unauthorized access, per app(lication)/executable/parent process/program/service + per address/port/protocol rules, file name/pathway wildcards, service name filters, blocklists, highly customizable:
http://github.com/tnodir/fort/
Download [Installer EXE]:
http://github.com/tnodir/fort/releases/latest/
Fort Firewall (FFw) requires Microsoft Visual C++ Runtime Redistributables:
http://www.mdgx.com/add.htm#VS6
Fort Firewall (FFw) Online Guide:
http://github.com/tnodir/fort/wiki/User-Guide/

* simplewall 32-bit + 64-bit GUI interface + DOS console command line tool for Windows 7/newer 32-bit (x86) + 64-bit (x64) configures Windows Filtering Platform (WFP) to allow/block incoming + outgoing traffic, creates, edits, enables/disables + (un)installs firewall rules + blocks Microsoft dangerous/deceptive/insecure/invasive/intrusive/spying/subversive/tracking/unsafe IPs based on blocklists [spying (auditing, fingerprinting, profiling, spyware, surveillance, telemetry, tracking), Windows Update (WU) + applications (apps, functions, programs, scripts, services, tasks, tools)], highly customizable:
http://www.henrypp.org/product/simplewall/
http://github.com/henrypp/simplewall/
Download [Portable 7z/ZIP]:
http://github.com/henrypp/simplewall/releases/latest/
simplewall Portable:
Place portable.dat in the program's main directory/folder and use Notepad/similar plain text editor
http://www.mdgx.com/toy.htm#TXT
to create (if absent) simplewall.ini in the program's [simplewall.exe] main directory/folder.
simplewall Rules Editor Guide:
http://github.com/henrypp/simplewall/#rules-editor
simplewall Anti-Spyware blocklist.xml (example):
http://github.com/crazy-max/WindowsSpyBlocker/blob/master/data/simplewall/spy/blocklist.xml

* Free Firewall 32-bit + 64-bit for Windows 7/newer enhanced firewall tool, highly customizable:
http://www.evorim.com/free-firewall/
File:
http://www.evorim.com/download/freefirewall-setup.exe

* Firewall App Blocker (FAB) 32-bit + 64-bit for Windows 7/newer allows/blocks inbound + outbound app(lication)s/EXEcutables (.exe)/programs, highly customizable:
http://www.sordum.org/8125/
File:
http://www.sordum.org/files/firewall-app-blocker/fab.zip

* Windows Firewall Control (WFC) 32-bit + 64-bit for Windows 7/newer extends Windows (Defender) Firewall [W(D)F] functionality + adds extra features, highly customizable:
http://www.binisoft.org/wfc.php
File:
http://www.binisoft.org/download/wfc6setup.exe
Requires Microsoft .NET Framework Redistributable (NFR) 4.5/newer:
http://www.mdgx.com/add.htm#NFR
Enable DNS Client (DNS Cache) service for WFC notifications:
-----Begin cut & paste here-----
```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
:: DNS Client caches Domain Name System names (DNS Cache service):
SC.EXE CONFIG DNSCache START= auto
ECHO Y|NET.EXE START DNSCache
:: DNS cache can be flushed ONLY if DNS Cache service is running!
START /WAIT IPCONFIG.EXE /flushdns
:END
EXIT
```
------End cut & paste here------
IPConfig [IPCONFIG.EXE] executable is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH

-> press Enter.
MDGx 10_BLOCK DNS Cache service batch CoMmanD (.CMD) files (both included),
STARTDNS.CMD
STOP!DNS.CMD
are also available online [renamed as TeXT = .TXT]:
http://www.mdgx.com/10BLK/STARTDNS.CMD.TXT
http://www.mdgx.com/10BLK/STOP!DNS.CMD.TXT
If you prefer -> download them both to your computer/device -> rename .TXT extension to .CMD for both files -> right-click on each 1 -> Run as Administrator.
STARTDNS.CMD + STOP!DNS.CMD = both detailed in 10_BLOCK.TXT (included):
http://www.mdgx.com/10BLK/10_BLOCK.php
http://www.mdgx.com/10BLK/10_BLOCK.TXT
MDGx "HOSTS Guide" -> "DNS Client Service":
http://www.mdgx.com/hosts.php#N2
Wikipedia: DNS caching:
http://en.wikipedia.org/wiki/Name_server#Caching_name_server

* Windows Privacy Dashboard (WPD) portable tool for Windows 7/newer configures/tweaks various privacy options/settings, blocks data collection/logging, diagnostic, telemetry ("phone home"), spying, surveillance, tracking apps, functions, services to enhance digital/internet/online privacy, safety + security:
http://wpd.app/
Download [ZIP Archive]:
http://wpd.app/download/

* PeerBlock [UNMAINTAINED!] Portable 32-bit + 64-bit for Windows XP/newer personal firewall blocks/filters incoming + outgoing dangerous/deceptive/insecure/invasive/intrusive/subversive/unsafe IPs + ports [IPv4 only] from frequently updated + user customized lists of blacklisted ad(ware)/malware/spying/surveillance/tracking hosts/IPs:
http://www.peerblock.com/
Download [Portable ZIP]:
http://code.google.com/archive/p/peerblock/downloads/
PeerBlock 64-bit for Windows Vista/newer 64-bit (x64):
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/peerblock/PeerBlock_r693__x64_Release_(Vista).zip
PeerBlock 32-bit for Windows Vista/newer 32-bit (x86):
http://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/peerblock/PeerBlock_r693__Win32_Release_(Vista).zip
PeerBlock Repository:
http://code.google.com/archive/p/peerblock/
http://sourceforge.net/projects/peerblock/
http://github.com/PeerBlock/peerblock/
I-Blocklist lists of blacklisted IPs [frequently updated]:
http://www.iblocklist.com/lists
Blocklists + Filterlists:
http://github.com/badmojr/1Hosts/
http://filterlists.com/
http://github.com/yokoffing/filterlists/
http://oisd.nl/
http://github.com/ShadowWhisperer/BlockLists/
http://www.fanboy.co.nz/filters.html
Wikipedia: PeerBlock:
http://en.wikipedia.org/wiki/PeerBlock

* Sans Institute (SANS) SEC505: Windows DNS Server Sinkhole Domains PowerShell Tool [archived]:
http://web.archive.org/web/20241212200323/https://www.sans.org/blog/windows-dns-server-sinkhole-domains-tool/
Download SEC505 [ZIP archive]:
http://raw.githubusercontent.com/SamuelArnold/SANS-SEC505/refs/heads/master/scripts.zip
SEC505 Repository:
http://github.com/SamuelArnold/SANS-SEC505/
Extract all files from ZIP above -> browse to + open [example using generic C:\Directory_Name]
C:\Directory_Name\Day6-Servers\DNS
subfolder/subdirectory -> open/view Sinkhole-DNS.ps1 (PowerShell script) using Unicode compatible Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to learn how to create + use a black(hole)list/blocklist plain text/ASCII file (.txt) acting as a sinkhole which blocks/filters/redirects/resolves a custom list of annoying, inappropriate, offensive, unwanted, dangerous, harmful ad(ware), malware, spyware, trackware IPv4 servers/domains/IPs to 0.0.0.0 [null] local host IP address over DNS (Domain Name System).
SEC505 requires PowerShell v2.0:
http://www.mdgx.com/xptoy.htm#PWS
PowerShell [PowerShell.exe] is located in %WinDir%\SYSTEM32\WindowsPowerShell\v1.0 folder [default location] = where %WinDir% usually C:\WINDOWS.
http://learn.microsoft.com/windows-server/administration/windows-commands/powershell/
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_exe/
http://learn.microsoft.com/powershell/module/microsoft.powershell.security/set-executionpolicy/
http://www.ss64.com/ps/powershell.html
http://www.ss64.com/ps/
http://www.ss64.com/ps/syntax-elevate.html
Windows PowerShell ISE (Integrated Scripting Environment) [PowerShell_ise.exe] is located in %WinDir%\SYSTEM32\WindowsPowerShell\v1.0 folder [default location] = where %WinDir% usually C:\WINDOWS.
http://learn.microsoft.com/powershell/module/microsoft.powershell.core/about/about_powershell_ise_exe/
Wikipedia: PowerShell:
http://en.wikipedia.org/wiki/PowerShell
Wikipedia: Domain Name System (DNS):
http://en.wikipedia.org/wiki/Domain_Name_System

Wikipedia: Internet Protocol (IP):
http://en.wikipedia.org/wiki/Internet_Protocol
Wikipedia: 0.0.0.0 IPv4 address:
http://en.wikipedia.org/wiki/0.0.0.0
_____

Turn OFF NVidia Telemetry

This applies to all Windows 7/newer builds/editions/releases/versions.

Turn OFF NVidia Telemetry, NVidia Data Collection + interconnected/interdependent/interrelated services bundled with NVidia graphics drivers:
Download + install Disable Nvidia Telemetry tool [free, open source]:
http://github.com/NateShoffner/Disable-Nvidia-Telemetry/
File:
http://github.com/NateShoffner/Disable-Nvidia-Telemetry/releases/latest/
Disable Nvidia Telemetry Guide:
http://www.ghacks.net/2016/11/07/nvidia-telemetry-tracking/
http://forum.palemoon.org/viewtopic.php?t=15686&start=20
Right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run these commands -> press Enter after each line:
- Disable NVidia telemetry scheduled tasks commands:
SCHTASKS.EXE /change /TN NvTmMon_{B2FE1952-0186-46C3-BAEC-A80AA35AC5B8} /disable
SCHTASKS.EXE /change /TN NvTmRep_{B2FE1952-0186-46C3-BAEC-A80AA35AC5B8} /disable
SCHTASKS.EXE /change /TN NvTmRepOnLogon_{B2FE1952-0186-46C3-BAEC-A80AA35AC5B8} /disable
- Uninstall NVidia telemetry service command:
RUNDLL32.EXE "%ProgramFiles%\NVIDIA Corporation\Installer2\InstallerCore\NVI2.DLL",UninstallPackage NvTelemetryContainer
RUNDLL32.EXE + SCHTASKS.EXE executable are located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS], listed in your system PATH.
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Add lines between Cut & Paste below to your %WinDir%\SYSTEM32\DRIVERS\ETC\HOSTS [and to your %WinDir%\SysWOW64\DRIVERS\ETC\HOSTS if using Windows NTx 64-bit (x64)] file -> edit HOSTS using Notepad/similar plain text editor:
http://www.mdgx.com/toy.htm#TXT
Edit HOSTS file in Windows 7/newer:
http://www.petri.com/edit-hosts-file-windows-7/
http://www.petri.com/edit-hosts-file-windows-8/
http://www.petri.com/easily-edit-hosts-file-windows-10/
http://www.petri.com/easily-edit-the-hosts-file-in-windows-11/
MDGx "HOSTS Files, Guides + Tools":
http://www.mdgx.com/hosts.php
-----Begin cut & paste here-----

```
###############################################################################
# MDGx HOSTS with > 290000 hostnames:
# http://www.mdgx.com/hosts.php
# HOSTS (plain text/ASCII ANSI encoded file) is located in %windir% [usually C:\WINDOWS] in Windows 9x or
# %windir%\SYSTEM32\DRIVERS\ETC in Windows NTx.
# Transmission Control Protocol/Internet Protocol (TCP/IP) maps Internet Protocol (IP) addresses (1st column) to
# corresponding hostnames (2nd column):
# http://en.wikipedia.org/wiki/Hosts_%28file%29
# Each entry must be on its own separate line. Columns must be separated by at least 1 space or tab.
# All lines starting with a pound/hash sign (#) are comments/remarks and are not processed.
# Domain Name System (DNS) itself handles localhost name resolution:
# http://en.wikipedia.org/wiki/Localhost
# All local host(s) lines must be listed at the top of the HOSTS file in this exact order:
# http://en.wikipedia.org/wiki/Multicast_address
# 1. Internet Protocol version 4 (IPv4).
# http://en.wikipedia.org/wiki/IPv4
# 2. Internet Protocol version 6 (IPv6).
# http://en.wikipedia.org/wiki/IPv6
# Lines below map IPv4 local protocols:
# http://en.wikipedia.org/wiki/Reserved_IP_addresses#IPv4
0.0.0.0 null
127.0.0.1 localhost
127.0.0.1 localhost.localdomain
127.0.0.1 localdomain
127.0.0.1 local
255.255.255.255 broadcasthost
# Lines below map IPv6 local protocols:
# http://en.wikipedia.org/wiki/Reserved_IP_addresses#IPv6
::0 null
::1 localhost
::1 ip6-localhost
::1 ip6-loopback
fe80::1%lo0 localhost
fe00::0 ip6-localnet
```

```
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
ff02::3 ip6-allhosts
# WARNING:
# Some of the disabled sites in this file will attempt to HACK/INFECT/INSTALL malware/spyware +/- PHISH/SPY on
# your computer(s)/device(s) the moment you ENABLE and ACCESS them!
# http://www.mdgx.com/hosts.php#AB
# IPv4 hostnames below are disabled -> redirected to 0.0.0.0 (null).
# http://en.wikipedia.org/wiki/0.0.0.0
# Alternatively can be redirected to 127.0.0.1 (localhost), but will take longer to process with large number of
# HOSTS entries.
# http://en.wikipedia.org/wiki/Hostname
# To (re)enable/disable/edit/customize -> open HOSTS file as Administrator in Notepad/similar/better free(ware)
# plain text/ASCII editor
# http://www.mdgx.com/toy.htm#TXT
# -> comment/remark (precede each line with # followed by 1 space) or delete desired line(s) -> save it as HOSTS
# (no extension) -> refresh (F5)/restart your app(s)/browser(s)/service(s)/device(s) or reboot/restart if needed.
# Edit HOSTS file in Windows 7/newer:
# http://www.petri.com/easily-edit-the-hosts-file-in-windows-11/
# http://www.petri.com/easily-edit-hosts-file-windows-10/
# http://www.petri.com/edit-hosts-file-windows-8/
# http://www.petri.com/edit-hosts-file-windows-7/
##############################################################################
# Lines below disable NVidia automatic updates, data collection, surveillance, telemetry, tracking:
0.0.0.0 accounts.nvgs.nvidia.com
0.0.0.0 activation.gfe.nvidia.com
0.0.0.0 api.gfe.nvidia.com
0.0.0.0 assets.nvidiagrid.net
0.0.0.0 download.gfe.nvidia.com
0.0.0.0 events.gfe.nvidia.com
0.0.0.0 gfe.geforce.com
0.0.0.0 gfe.nvidia.com
0.0.0.0 gfwsl.geforce.com
0.0.0.0 images.nvidiagrid.net
0.0.0.0 rds-assets.nvidia.com
0.0.0.0 services.gfe.nvidia.com
0.0.0.0 telemetry.nvidia.com
0.0.0.0 telemetry.gfe.nvidia.com
##############################################################################
------End cut & paste here------
```

Java No Java

This applies to all Windows 7/newer builds/editions/releases/versions.

* Oracle (Sun) Java Runtime Environment (JRE) Standard Edition (SE) 32-bit + 64-bit -> SOFTWARE.TXT (included):
http://www.mdgx.com/add.htm#JAVA

* Block/disable Java (out-of-date) prompts + automatic updates:
http://discussions.citrix.com/topic/363880-your-java-version-is-out-of-date-how-to-blockdisable/
http://www.itninja.com/question/can-t-suppress-java-1-8-upd-74-update-prompts/
Java network:
http://community.spiceworks.com/how_to/65130/
Java Auto Update:
http://www.java.com/en/download/help/java_update.xml
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain
text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK
to all prompts to register/merge/import its information into your registry.

```
-----Begin cut & paste here-----
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\AppDataLow\Software\JavaSoft\DeploymentProperties]
"deployment.security.sandbox.awtwarningwindow"="false"
"deployment.expiration.decision"="never"
"deployment.expiration.decision.locked"="false"
"deployment.expiration.decision.suppression"="false"
"deployment.expiration.decision.suppression.locked"="false"
"deployment.expiration.check.enabled"="false"
"deployment.expiration.check.enabled.locked"="false"
"deployment.security.mixcode"="HIDE_RUN"
"deployment.security.jsse.hostmismatch.warning"="false"
"deployment.security.jsse.hostmismatch.warning.locked"="false"
"deployment.roaming.profile"="false"
"deployment.system.tray.icon"="false"
```

```
"deployment.webjava.enabled"="false"
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\AppDataLow\Software\JavaSoft\DeploymentProperties]
"deployment.security.sandbox.awtwarningwindow"="false"
"deployment.expiration.decision"="never"
"deployment.expiration.decision.locked"="false"
"deployment.expiration.decision.suppression"="false"
"deployment.expiration.decision.suppression.locked"="false"
"deployment.expiration.check.enabled"="false"
"deployment.expiration.check.enabled.locked"="false"
"deployment.security.mixcode"="HIDE_RUN"
"deployment.security.jsse.hostmismatch.warning"="false"
"deployment.security.jsse.hostmismatch.warning.locked"="false"
"deployment.roaming.profile"="false"
"deployment.system.tray.icon"="false"
"deployment.webjava.enabled"="false"
[HKEY_LOCAL_MACHINE\SOFTWARE\Oracle\JavaDeploy]
"WebDeployJava"="disabled"
"deployment.modified.timestamp"="9999999999999"
"deployment.webjava.enabled"="false"
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Oracle\JavaDeploy]
"WebDeployJava"="disabled"
"deployment.modified.timestamp"="9999999999999"
"deployment.webjava.enabled"="false"
[HKEY_LOCAL_MACHINE\SOFTWARE\JavaSoft]
"RegDeployStatus"="0"
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\JavaSoft]
"RegDeployStatus"="0"
[HKEY_LOCAL_MACHINE\SOFTWARE\JreMetrics]
"DisableSponsors"="Y"
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\JreMetrics]
"DisableSponsors"="Y"
[HKEY_LOCAL_MACHINE\SOFTWARE\JavaSoft\Java Update\Policy]
"EnableAutoUpdateCheck"=dword:0
"EnableJavaUpdate"=dword:0
"NotifyDownload"=dword:0
"NotifyInstall"=dword:0
"UpdateSchedule"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\JavaSoft\Java Update\Policy\jucheck]
"EnableAutoUpdateCheck"=dword:0
"EnableJavaUpdate"=dword:0
"NotifyDownload"=dword:0
"NotifyInstall"=dword:0
"UpdateSchedule"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\JavaSoft\Java Update\Policy]
"EnableAutoUpdateCheck"=dword:0
"EnableJavaUpdate"=dword:0
"NotifyDownload"=dword:0
"NotifyInstall"=dword:0
"UpdateSchedule"=dword:0
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\JavaSoft\Java Update\Policy\jucheck]
"EnableAutoUpdateCheck"=dword:0
"EnableJavaUpdate"=dword:0
"NotifyDownload"=dword:0
"NotifyInstall"=dword:0
"UpdateSchedule"=dword:0
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run]
"SunJavaUpdateSched"=-
; WOW6432Node registry subkey exists only in Windows NTx 64-bit (x64):
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Windows\CurrentVersion\Run]
"SunJavaUpdateSched"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Run]
"SunJavaUpdateSched"=-
[HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Run]
"SunJavaUpdateSched"=-
;
------End cut & paste here------

* Customize (see above) deployment.properties plain text/ASCII file located in:
%UserProfile%\AppData\LocalLow\Sun\Java\Deployment
C:\Users\%UserName%\AppData\LocalLow\Sun\Java\Deployment
TIP:
****
Windows NTx built-in/default/pre-installed/preset machine/system (apply to all managed/registered users on the same machine)
+ local/user (apply only to current/logged on/signed in user) environment variables used for target system/user
directories/folders:
http://www.ss64.com/nt/syntax-variables.html
```

http://pureinfotech.com/list-environment-variables-windows-10/
http://www.computerhope.com/issues/ch000549.htm
- %UserProfile% = usually C:\Users\%UserName% .
- %WinDir% = usually C:\WINDOWS [same as %SystemRoot%].
View the list of all your Windows operating system (OS) environment variables from a DOS console command prompt
[%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
SET
-> press Enter.
Right-click deployment.properties (see above) -> Open with... -> Notepad/similar/better free(ware) plain text/ASCII
editor/viewer
http://www.mdgx.com/toy.htm#TXT
-> Run as Administrator -> add/change/delete desired lines/values/strings -> save file.

* Add Java environment variable(s) to the list of SET commands (example):
http://www.ss64.com/nt/set.html
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below
-> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it ->
Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST %WinDir%\SYSTEM32\SETX.EXE GOTO END
SETX.EXE deployment.expiration.check.enabled "false" /M
:END
EXIT
```
------End cut & paste here------
_____

Convert Audio + Video The Easy Way

This applies to all Windows 7/newer builds/editions/releases/versions.

Automate/run unattended/speed up converting/remuxing/transcoding almost any audio + video media/multimedia file
container/format/type/extension into almost any other alternative/correspondent/matching/similar/supported
compliant/supported audio/video file container/format/type/extension with only 1 mouse/pointer click/key press/touch in
File/Windows Explorer [+ other file management app(lication)s/programs/tools with support for right-click context menu]
http://www.mdgx.com/toy.htm#ENH
when you right-click (shell context menu) on desired file and select to convert it by using dedicated highly customizable
free(ware)/open source DOS console command line tools (examples):
aften.exe,
http://github.com/wieslawsoltes/AftenWindowsBuilds/
eac3to.exe,
http://forum.doom9.org/showthread.php?t=125966
EncWAVtoAC3.exe,
http://wieslawsoltes.github.io/wavtoac3encoder/
FFmpeg.exe.
http://www.ffmpeg.org/download.html#build-windows
I use such custom made (File/Windows) Explorer time saving shortcuts to convert/remux/transcode audio + video various
media/multimedia file containers/formats/types/extensions (examples): aac, ac3, avi, eac, eac3, divx, dts, flac, m4a, m4v,
mka, mkv, mov, mp3, mp4, mpeg, mpg, ogg, ogv, opus, ts, wav, webm among others.
Step-by-step guides on how to convert different video multimedia file containers/formats/types/extensions using FFmpeg.exe
from a higher (downconvert) or from a lower (upconvert) video resolution to another:
1080p -> 720p with least quality loss:
http://www.superuser.com/questions/714804/
1080p/720p -> 480p:
http://gist.github.com/blacklee/49cd6ae5cf6fbfc8651c/
http://www.linuxquestions.org/questions/linux-software-2/how-do-i-convert-1080p-720p-video-to-480p-using-ffmpeg-4175523803/
http://trac.ffmpeg.org/wiki/Encode/H.264
Step-by-step guides on how to convert/remux/transcode different audio multimedia file containers/formats/types/extensions
using FFmpeg.exe with or without changing (downconvert) the number of audio channels [example: from 5.1 (surround) to 2.0
(stereo)]:
Digital AC3 2.0/5.1 -> Analog AAC 2.0/5.1:
http://www.superuser.com/questions/1018563/
http://www.stackoverflow.com/questions/39403378/
http://www.reddit.com/r/ffmpeg/comments/9dzzpy/
http://trac.ffmpeg.org/wiki/Encode/AAC
http://trac.ffmpeg.org/wiki/Encode/HighQualityAudio
http://www.superuser.com/questions/684955/
http://forum.videohelp.com/threads/386011/
http://www.hydrogenaud.io/index.php/topic,116222.0.html
Digital AC3/DTS 5.1 -> Digital AC3 2.0:
http://www.superuser.com/questions/852400/
OGG 2.0/5.1 -> Compressed AC3 2.0/5.1:
http://linuxconfig.org/ffmpeg-audio-format-conversions/#h2-4-ogg-to-ac3
Analog/Digital AAC/AC3/DTS/WAV 5.1/7.1 -> Analog/Digital AC3/M4A 5.1:

http://forum.videohelp.com/threads/381720/
http://forum.videohelp.com/threads/333743/
http://forum.videohelp.com/threads/377639/
http://forum.videohelp.com/threads/394507/
Uncompressed DTS/AAC 2.0/5.1 -> Compressed AC3 2.0/5.1:
http://gdion.wordpress.com/2016/06/12/simple-dts-to-ac3-using-ffmpeg/
Analog/Digital AAC/MP4/AC3/DTS 5.1 -> Analog AAC 2.0:
http://forum.videohelp.com/threads/345323/
http://www.superuser.com/questions/852400/
Analog/Digital AAC/AC3/DTS/MP4/OGG/WAV 2.0/5.1 -> Analog MP3 2.0:
http://www.stackoverflow.com/questions/3255674/
Analog/Digital AAC/AC3/DTS/MP4 7.1 -> MP4/MP3/AAC/AC3 2.0:
http://www.reddit.com/r/PleX/comments/9rc7sp/
Convert 2.0 flac -> mp3 + keep all metadata:
http://stackoverflow.com/questions/26109837/
Frequently used sound standards (examples):
5.1 = surround = 6 audio channels:
http://en.wikipedia.org/wiki/5.1_surround_sound
- center (C),
- front left (L),
- front right (R),
- rear/side left (Ls),
- rear/side right (Rs) +
- low frequency effects (LFE) bass/subwoofer.
2.0 = stereo = 2 audio channels:
http://en.wikipedia.org/wiki/Stereophonic_sound
- left (L) +
- right (R).
Other free(ware) tools I use to adjust/correct/realign/repair/synchronize, convert, crop/cut, demux/remux/transmux, encode/decode/recode/transcode, view/play most audio + video multimedia file containers/formats/types/extensions -> see "FREE Windows 9x/NTx Media Players + Recorders" section in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#MED
Examples:
- K-Lite Codec Pack (KLCP) Mega + Media Player Classic Home Cinema (MPC-HC) Lite:
http://www.codecguide.com/download_k-lite_codec_pack_mega.htm
- MKVToolNix [mkvmerge.exe]:
http://www.mkvtoolnix.download/
- gMKVExtractGUI:
http://forum.doom9.org/showthread.php?t=170249
- HandBrake Portable 64-bit [HandBrakeCLI.exe]:
http://handbrake.fr/downloads.php
http://handbrake.fr/old.php
- Pazera Free Audio + Video Conversion Pack Portable [using FFmpeg.exe]:
http://www.pazera-software.com/products/free-audio-video-pack/
- MKV Cutter [using FFmpeg.exe + mkvmerge.exe]:
http://www.videohelp.com/software/MKV-Cutter
For more similar useful free(ware) tools see "AUDIO" + "VIDEO" sections in TOOLS.TXT (included):
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
Free MKV [Matroska (.mkv)] video format online editing tools:
- Cut MKV:
http://online-video-cutter.com/cut-mkv/
- Cut MKV Video:
http://www.veed.io/tools/video-cutter/cut-mkv/
- MKV Video Cutter:
http://flixier.com/tools/cut-videos/mkv-video-cutter/
- MKV Cutter:
http://clideo.com/mkv-cutter/
See also MDGx "Calculate, Convert, Decipher, Decode, Decrypt" free online tools:
http://www.mdgx.com/links.htm#GDV
FYI:
For a list of 3rd party/independent (File/Windows) Explorer better/enhanced/improved alternatives/replacements with support for right-click context menu [free(ware)] see "FREE(ware) WINDOWS 9x/NTx SYSTEM ENHANCERS" section in SOFTWARE.TXT (included):
http://www.mdgx.com/toy.htm#ENH
More info:
- Wikipedia: Transcoding:
http://en.wikipedia.org/wiki/Transcoding
- Wikipedia: List of Video Transcoding Software:
http://en.wikipedia.org/wiki/List_of_video_transcoding_software
- Wikimedia: Converting Video:
http://commons.wikimedia.org/wiki/Help:Converting_video#Common_editing
- Wikipedia: Category -> Free Video Conversion Software:
http://en.wikipedia.org/wiki/Category:Free_video_conversion_software
- Wikipedia: Comparison of Video Converters:
http://en.wikipedia.org/wiki/Comparison_of_video_converters
- Wikipedia: Audio Converter:
http://en.wikipedia.org/wiki/Audio_converter
- Wikipedia: List of Audio Conversion Software:
http://en.wikipedia.org/wiki/List_of_audio_conversion_software
- Wikipedia: Category -> Audio Format Converters:

http://en.wikipedia.org/wiki/Category:Audio_format_converters
A. Video conversion automation step-by-step:
****
1. Example of registry (.reg) script I use to convert/remux/transcode 360p, 480p (upconvert), 1080p, 1440p or 2160p (downconvert) resolution .avi, .divx, .dts, .mkv, .mov, .mp4, .ts into 720p resolution .mkv (Matroska container format) video files by using FFmpeg.exe versatile, highly customizable DOS console command line tool [FFmpeg.exe located in the C:\TOOLS directory/folder in these examples]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\VID_2_720p]
@="# Video [AVI/DIVX/DTS/MKV/MOV/MP4/TS] •---> MKV = 720p"
"Extended"=-
"NoWorkingDirectory"=""
"SuppressionPolicy"=dword:0
"Icon"="wmplayer.exe,1"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\VID_2_720p\command]
@="CMD.EXE /C C:\\TOOLS\\FFMPEG.EXE -i \"%1\" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy \"%1_720p.mkv\" && EXIT"
"IsolatedCommand"=-
;
```

------End cut & paste here------
2. Example of DOS console BATch (.bat) file [VID2720.BAT] I use to convert any video resolution AVI/DIVX/DTS/MKV/MOV/MP4/TS files into 720p video resolution MKV (Matroska container format) files using FFmpeg.exe [located in the C:\TOOLS directory/folder in these examples]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----

```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST C:\TOOLS\FFmpeg.exe GOTO END
TITLE "FFmpeg.exe = Convert Video AVI/DIVX/DTS/MKV/MOV/MP4/TS to MKV 720p"
ECHO.
ECHO ############################################################################
ECHO FFmpeg.exe = AVI/DIVX/DTS/MKV/MOV/MP4/TS to MKV 720p conversion...
ECHO.
ECHO *MUST* type file name withOUT extension after VID2720.BAT at DOS prompt!
ECHO ############################################################################
ECHO Press a key to exit...
PAUSE >NUL 2>&1
ECHO.
IF EXIST "*.avi" C:\TOOLS\FFmpeg.exe -i "%1.avi" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
IF EXIST "*.divx" C:\TOOLS\FFmpeg.exe -i "%1.divx" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
IF EXIST "*.dts" C:\TOOLS\FFmpeg.exe -i "%1.dts" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
IF EXIST "*.mkv" C:\TOOLS\FFmpeg.exe -i "%1.mkv" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
IF EXIST "*.mov" C:\TOOLS\FFmpeg.exe -i "%1.mov" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
IF EXIST "*.mp4" C:\TOOLS\FFmpeg.exe -i "%1.mp4" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
IF EXIST "*.ts" C:\TOOLS\FFmpeg.exe -i "%1.ts" -vf scale=-1:720 -c:v libx264 -crf 16 -preset veryslow -c:a copy "%1_720p.mkv"
:END
EXIT
```

------End cut & paste here------
You can add more file extensions to the BATch (.bat) file above, or/and make desired changes according to your needs/preferences by using Notepad/similar/better free(ware) plain text/ASCII editor/viewer.
http://www.mdgx.com/toy.htm#TXT
3. From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE = where %WinDir% is usually C:\WINDOWS] you must type desired video file name without extension [video_1.mp4 in this example] after BATch file name without extension [see above] [VID2720.BAT -> located in the C:\TOOLS directory/folder] followed by a space [ ] (example):
VID2720 video_1
VID2720.BAT must be located somewhere in a directory/folder listed on your system PATH, OR you must type its name [without extension] to include drive/partition/volume letter followed by directory/folder name where VID2720.BAT resides (example):
C:\TOOLS\VID2720 C:\VIDEO\video_1
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Converted/transcoded video file (output) with same name as source audio file (input) will be the result of the conversion from 1 format to another. In these examples I have used: .avi, .divx, .dts, .mkv, .mov, .mp4 + .ts.
FYI:
DOS console command line EXEcutables (.exe) [listed above] command line arguments, flags, options, parameters + switches and how to use + customize them to your needs/preferences:
- Aften:
http://aften.sourceforge.net/longhelp.html
- Eac3to:
http://en.wikibooks.org/wiki/Eac3to/How_to_Use#Command_Line_Syntax

- FFmpeg:
http://gist.github.com/tayvano/6e2d456a9897f55025e25035478a3a50/
http://ffmpeg.org/ffmpeg.html#Options
- HandBrakeCLI:
http://handbrake.fr/docs/en/latest/cli/command-line-reference.html
- Mkvmerge:
http://mkvtoolnix.download/doc/mkvmerge.html#mkvmerge.usage
B. Audio conversion automation step-by-step:
****
1. Example of registry (.reg) script I use to convert/remux/transcode stereo (2.0)/surround (5.1) sound .aac, .dts, .eac, .eac3, .m4a, .mka, .opus into .ac3 audio files with same number of audio channels [stereo (2.0) or surround (5.1)] by using FFmpeg.exe versatile, highly customizable DOS console command line tool [FFmpeg.exe located in the C:\TOOLS directory/folder in these examples]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----
```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\AUD_2_AC3]
@="# Audio [AAC/DTS/EAC(3)/M4A/MKA/OPUS] •---> AC3 = 384 kb/sec"
"Extended"=-
"NoWorkingDirectory"=""
"SuppressionPolicy"=dword:0
"Icon"="SndVol.exe,1"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\AUD_2_AC3\command]
@="CMD.EXE /C C:\\TOOLS\\FFmpeg.exe -i \"%1\" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k \"%1.ac3\" && EXIT"
"IsolatedCommand"=-
;
```
------End cut & paste here------
FYI:
In these examples I have used 384 kb/sec average bit rate (bandwidth) depth/range/resolution, but the AC3 (Audio Codec 3) digital compressed lossy multichannel codec + format supports all these options:
- 256 kb/sec [lowest/minimum -> available/supported ONLY by AC3 stereo (2.0); NOT supported by AC3 surround (5.1)];
- 384 kb/sec [lowest/minimum -> available/supported ONLY by AC3 surround (5.1); supported by BOTH AC3 stereo (2.0) + AC3 surround (5.1)];
- 448 kb/sec [average -> available/supported by BOTH AC3 stereo (2.0) + AC3 surround (5.1)];
- 640 kb/sec [highest/maximum -> available/supported by BOTH AC3 stereo (2.0) + AC3 surround (5.1)].
You can change the command line bit rate parameter numeric value [in these examples 384k] to any of the supported values, and also in your registry (.reg) and/or BATch (.bat)/CoMmanD (.cmd) script files (if any) to whatever best suits your needs/preferences.
More info:
Wikipedia: Advanced Audio Coding (AAC):
http://en.wikipedia.org/wiki/Advanced_Audio_Coding
Wikipedia: Audio Codec 3 (AC3):
http://en.wikipedia.org/wiki/Dolby_Digital#Dolby_AC-3
Wikipedia: Enhanced Audio Codec 3 (EAC3):
http://en.wikipedia.org/wiki/Dolby_Digital_Plus
Wikipedia: DTS (Digital Theater Systems) Digital Surround:
http://en.wikipedia.org/wiki/DTS,_Inc.#DTS_Digital_Surround
Wikipedia: MPEG-4 Audio File Format (M4A):
http://en.wikipedia.org/wiki/MP4_file_format#Filename_extensions
2. Example of DOS console BATch (.bat) file [AUD2AC3.BAT] I use to convert stereo (2.0)/surround (5.1) audio AAC/DTS/EAC(3)/M4A/MKA into AC3 audio files using FFmpeg.exe [located in the C:\TOOLS directory/folder in these examples]:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text BATch (.bat) or CoMmanD (.cmd) script file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the BAT (.bat) or CMD (.cmd) extension -> right-click it -> Run as Administrator -> wait for completion.
-----Begin cut & paste here-----
```
@ECHO OFF
IF NOT "%OS%"=="Windows_NT" GOTO END
IF NOT EXIST C:\TOOLS\FFmpeg.exe GOTO END
TITLE "FFmpeg.exe = Convert Audio AAC/DTS/EAC(3)/M4A/MKA/OPUS 2.0 (stereo)/5.1 (surround) to AC3 2.0/5.1 384 kb/sec"
ECHO.
ECHO ############################################################################
ECHO FFmpeg.exe = AAC/DTS/EAC(3)/M4A/MKA/OPUS 2.0/5.1 to AC3 2.0/5.1 384 kb/sec conversion...
ECHO.
ECHO *MUST* type file name withOUT extension after AUD2AC3.BAT at DOS prompt!
ECHO ############################################################################
ECHO Press a key to exit...
PAUSE >NUL 2>&1
ECHO.
IF EXIST "*.aac" C:\TOOLS\FFmpeg.exe -i "%1.aac" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
IF EXIST "*.dts" C:\TOOLS\FFmpeg.exe -i "%1.dts" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
IF EXIST "*.eac3" C:\TOOLS\FFmpeg.exe -i "%1.eac3" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
IF EXIST "*.eac" C:\TOOLS\FFmpeg.exe -i "%1.eac" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
IF EXIST "*.m4a" C:\TOOLS\FFmpeg.exe -i "%1.m4a" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
IF EXIST "*.mka" C:\TOOLS\FFmpeg.exe -i "%1.mka" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
```

```
IF EXIST "*.opus" C:\TOOLS\FFmpeg.exe -i "%1.opus" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
:END
EXIT
------End cut & paste here------
```
You can add more file extensions to the BATch (.bat) file above, or/and make desired changes according to your needs/preferences by using Notepad/similar/better free(ware) plain text/ASCII editor/viewer.
http://www.mdgx.com/toy.htm#TXT
3. From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE = where %WinDir% is usually C:\WINDOWS] you must type desired audio file name without extension [audio_1.aac in this example] after BATch file name without extension [see above] [AUD2AC3.BAT -> located in the C:\TOOLS directory/folder] followed by a space [ ] (example):
AUD2AC3 audio_1
AUD2AC3.BAT must be located somewhere in a directory/folder listed on your system PATH, OR you must type its name [without extension] to include drive/partition/volume letter followed by directory/folder name where AUD2AC3.BAT resides (example):
C:\TOOLS\AUD2AC3 C:\AUDIO\audio_1
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]:
right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
Converted/transcoded audio file (output) with same name as source audio file (input) will be the result of the conversion from 1 format to another. In these examples I have used: .aac, .dts, .eac3, .eac, .m4a + .mka.
FYI:
DOS console command line EXEcutables (.exe) [listed above] command line arguments, flags, options, parameters + switches and how to use + customize them to your needs/preferences:
- Aften:
http://aften.sourceforge.net/longhelp.html
- Eac3to:
http://en.wikibooks.org/wiki/Eac3to/How_to_Use#Command_Line_Syntax
- FFmpeg:
http://gist.github.com/tayvano/6e2d456a9897f55025e25035478a3a50/
http://ffmpeg.org/ffmpeg.html#Options
- HandBrakeCLI:
http://handbrake.fr/docs/en/latest/cli/command-line-reference.html
- Mkvmerge:
http://mkvtoolnix.download/doc/mkvmerge.html#mkvmerge.usage
Other similar examples of customized command lines I use in my BATch (.bat) files with DOS console command line EXEcutables (.exe) listed above in order to convert/transcode various audio + video multimedia files:
```
C:\TOOLS\FFmpeg.exe -i "%1.mkv" -vf scale=1280:720 -c:v libx264 -crf 20 -c:a copy "%1_720p.mkv"
C:\TOOLS\FFmpeg.exe -i "%1.mp4" -vf scale=1280:720 -c:v libx264 -crf 20 -c:a copy "%1_720p.mkv"
C:\TOOLS\aften.exe -acmod 7 -dnorm 31 -readtoeof 1 -v 0 -q 640 "%1.wav" "%1.ac3"
C:\TOOLS\eac3to.exe "%1.eac3" "%1.ac3" -log=nul -640
C:\TOOLS\FFmpeg.exe -i "%1.dts" -map 0 -vcodec copy -scodec copy -acodec ac3 -b:a 384k "%1.ac3"
C:\TOOLS\FFmpeg.exe -i "%1.ac3" -c:v copy -c:a aac -strict -2 -b:a 384k "%1.aac"
C:\TOOLS\FFmpeg.exe -y -i "%1.flac" -ab 320k -map_metadata 0 -id3v2_version 3 -write_id3v1 1 "%1.mp3"
FOR %%f IN (*.flac) DO (C:\TOOLS\FFmpeg.exe -y -i "%%f" -ab 320k -map_metadata 0 -id3v2_version 3 -write_id3v1 1 "%%f.mp3")
C:\TOOLS\HandBrakeCLI.exe" -i "%1.mp4" -t 1 -c 1-4 -o "%1.mkv" -f mkv --deinterlace="fast" --denoise="weak" -e x264 -q 20 -a 1 -E faac -6 dpl2 -R 48 -B 160 -D 0.0 -x ref=2:bframes=2:subq=6:mixed-refs=0:weightb=0:8x8dct=0:trellis=0 -v 1
C:\TOOLS\FFmpeg.exe -i "%1.aac" -acodec libmp3lame -vn -ar 48000 -ac 2 -b:a 320k "%1.mp3"
C:\TOOLS\FFmpeg.exe -i "%1.mp3" -c:v copy -c:a aac -strict -2 -b:a 384k "%1.aac"
C:\TOOLS\FFmpeg.exe -i "%1.mp4" -vcodec copy -acodec copy "%1.mkv"
C:\TOOLS\mkvmerge.exe -o "%1.mkv" "-S" "-T" "--no-global-tags" "--title" "" "%1.mp4"
```
———————————————————————————————————————

Save Files List -> Text

This applies to all Windows 7/newer builds/editions/releases/versions.

Create, view, save, print, etc the list of all the files inside the drive/partition/volume or directory/folder of your choice, and all their (sub)directories/(sub)folders, in descending Latin based alphabetical order,
http://en.wikipedia.org/wiki/Latin-script_alphabet
ordered by logical numeric value [0 -> 9 + A -> Z]:
https://web.archive.org/web/20150429091622/http://www.computing.net/answers/programming/log-file-date-and-time/18190.html
https://web.archive.org/web/20210506121738/http://www.intelliadmin.com/index.php/2007/02/create-a-date-and-time-stamp-in-your-batch-files/
http://www.serverfault.com/questions/16706/
http://www.techrepublic.com/forums/questions/dos-command-help/
http://www.ss64.com/nt/syntax-getdate.html
Usage:
1. Example: Highlight/select all (sub)folders and file(s), if more than 1 -> hold down Shift and left-click the 1st and then the last (sub)folder/file on the list without releasing the Shift key.
NOTE:
In case you highlight/select more than 1 (sub)folder(s)/file(s) a separate text (.txt) file with different date + time stamp(s) will be created in each of the selected (sub)folder(s), if more than 1.
2. Right-click on highlight/selection above -> select "Files &List ---> Text File: MM-DD-YYYY_(h)h-mm-ss.txt" -> go to the (sub)directory/(sub)folder selected above, or to each of them if more than 1 -> now you can see a newly created text (.txt) file -> right-click on it -> select Open or Edit -> will open in your Notepad/similar/better plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
associated with text (.txt) files as default program.
3. View/edit, rename, copy/move, print & save/delete this text file.
Explanation:

In Windows NTx time displays by default in 24 hours format.
Before 10:00 AM the hour display uses only 1 position to hold numbers from 0 to 9.
This is what it looks like by running the built-in DOS console TIME command (example):
1:14:16.57
with only 10 total available positions, as 1st 0 doesn't display.
After 10:00 AM time display increases to 11 total available positions (example):
11:15:18:33
with 2 positions for hour display.
For hours between 0 and 9 you need to use this TIME command:
%time:~1,1%.
For hours between 0 and 9 you need to use this text (.txt) file naming format (example):
File_Name_%date:~4,2%%date:~7,2%%date:~10,4%%time:~1,1%%time:~3,2%%time:~6,2%%time:~9,2%.txt
Where:
%time:~1,1% = hours
%time:~3,2% = minutes
%time:~6,2% = seconds
%time:~9.2% = milliseconds
From 10:00 AM to 24:00 [00:00 AM], when hour display occupies 2 positions, time display has 11 positions, in which case you need to use this TIME command:
%time:~0,2%
Final code for file name display from 10:00 AM to 24:00 [00:00 AM] looks like this (example):
File_Name_%date:~4,2%%date:~7,2%%date:~10,4%%time:~0,2%%time:~3,2%%time:~6,2%%time:~9,2%.txt
The built-in DOS console DATE command displays in "Day mm/dd/yyyy" format, so current date looks like this (example):
Wed 07/07/2077
for a total of 14 positions, including spaces and demarcations/forward slashes.
DATE command format:
%date:~4,2% = month display with 2 digits
%date:~6,2% = day display with 2 digits
%date:~10,4% = year display with 4 digits
In case you prefer year display with only 2 digits use this format:
%date:~12,2%,
You can move any part of the DATE command around to customize presentation format to your liking/needs.
Example: if moving year section [%date:10,4%] up front, format changes to [yyyyddmm], and so on.
Example of BATch (.bat)/CoMmanD (.cmd) file used for time of day reference, or/and for BATch/CoMmanD job(s) to be scheduled at different time(s) of day, say before and/or after 10:00 AM (example):
COPY /Y Old_File_Name.txt New_File_Name_%time:~0,2%%time:~3,2%%time:~6,2%_%date:~-10,2%%date:~-7,2%%date:~-4,4%.txt
You can also customize the built-in DOS console DIR command to list files in a different order (example):
DIR "%1" /A:-D /B /O:GNE /-P /S
View all available DIR command line options, switches + parameters -> type this command
DIR /?
-> press Enter.
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; Reorder files + directories/folders names alphabetically by logical numeric value -> see further above, also online:
; http://www.mdgx.com/7.php
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer]
"NoStrCmpLogical"=dword:1
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory\shell\Files_List_2_Text]
@="Files &List ---> Text File: MM-DD-YYYY_(h)h-mm-ss.txt"
"Extended"=-
"NoWorkingDirectory"=""
"SuppressionPolicy"=dword:0
"Icon"="SHELL32.DLL,19"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Directory\shell\Files_List_2_Text\command]
@="CMD.EXE /C DIR \"%1\" /A:-D /B /O:GNE /-P /S>\"%1\"\\\"%%date:~-10,2%%-%%date:~-7,2%%-%%date:~-4,4%%_%%time:~1,1%%-%%time:~3,2%%-
%%time:~6,2%%.txt\""
"IsolatedCommand"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Drive\shell\Files_List_2_Text]
@="Files &List ---> Text File: MM-DD-YYYY_(h)h-mm-ss.txt"
"Extended"=-
"NoWorkingDirectory"=""
"SuppressionPolicy"=dword:0
"Icon"="SHELL32.DLL,19"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Drive\shell\Files_List_2_Text\command]
@="CMD.EXE /C DIR \"%1\" /A:-D /B /O:GNE /-P /S>\"%1\"\\\"%%date:~-10,2%%-%%date:~-7,2%%-%%date:~-4,4%%_%%time:~1,1%%-%%time:~3,2%%-
%%time:~6,2%%.txt\""
"IsolatedCommand"=-
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\Files_List_2_Text]
@="Files &List ---> Text File: MM-DD-YYYY_(h)h-mm-ss.txt"
"Extended"=-
"NoWorkingDirectory"=""
"SuppressionPolicy"=dword:0
"Icon"="SHELL32.DLL,19"
[HKEY_LOCAL_MACHINE\SOFTWARE\Classes\*\shell\Files_List_2_Text\command]
@="CMD.EXE /C DIR \"%1\" /A:-D /B /O:GNE /-P /S>\"%1\"\\\"%%date:~-10,2%%-%%date:~-7,2%%-%%date:~-4,4%%_%%time:~1,1%%-%%time:~3,2%%-
%%time:~6,2%%.txt\""
```

"IsolatedCommand"=-
;
------End cut & paste here------
_____

Maximize Your Internet/Network Traffic Speed = MTU

This applies to all Windows 7/newer builds/editions/releases/versions.

Tweak optimal Maximum Transmission Unit (MTU) used by your Internet Service Provider (ISP)/network host/provider to maximize your internet/network connection/interface traffic speed in Windows 7/newer:
http://learn.microsoft.com/troubleshoot/windows-client/networking/change-default-mtu-size-for-ppp-vpn-connection/
http://learn.microsoft.com/answers/questions/535814/
http://www.maketecheasier.com/3-ways-to-increase-network-speed-via-registry-editor-windows/
http://myrandomtechblog.com/cryptomining/change-mtu-size-in-windows-10/
http://answers.microsoft.com/en-us/windows/forum/all/how-to-change-mtu-settings-in-windows-10/5c36c250-a0e8-47ee-b01c-de22139dc297/
http://www.networkworld.com/article/2224654/
http://www.techtarget.com/searchnetworking/definition/maximum-transmission-unit/
http://en.wikipedia.org/wiki/Maximum_transmission_unit
* Method 1 [the easiest way ;-/]:
****
Test your MTU optimal numeric value [measured in bytes (octets)] in 1 step -> type a server IP in the IPv4 box (using google.com IP: 142.250.69.238 in this example):
http://www.wikihow.com/Find-Proper-MTU-Size-for-Network
http://www.comparitech.com/net-admin/determine-mtu-size-using-ping/
http://www.tp-link.com/us/support/faq/190/
http://faq.draytek.com.au/2020/06/24/tools-available-to-detect-mtu-size/
In case you already have the optimal value of 1500 [the built-in/preset default/standard in Windows NTx OSes and most ISPs + IPv4 networks] your MTU is already configured for maximum speed, and you don't need to do anything else, you're all set. ;-/
* Method 2 [the hard way ;-/]:
****
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command to view your Maximum Transmission Unit (MTU) value [the built-in/preset default/standard in Windows NTx OSes and most ISPs + IPv4 networks] for your active internet/network Internet Protocol version 4 (IPv4) interface -> press Enter:
NETSH.EXE interface ipv4 show subinterfaces
In my case: Interface = "Ethernet" (direct broadband modem connection).
Other typical examples: "LAN" or "Local Area Network" (LAN = direct router connection), or "Wi-Fi" (high speed wireless connection).
Network Shell (NetSh) [NETSH.EXE] executable DOS console command line tool is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
NETSH:
http://www.ss64.com/nt/netsh.html
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command by replacing "Ethernet" with the actual name of your active interface in order to set permanently the value of your interface MTU parameter to 1472 (using same interface name from example above: Ethernet) -> press Enter:
NETSH.EXE interface ipv4 set subinterface Ethernet mtu=1472 store=persistent
Substitute Ethernet with your actual interface name revealed by running previous NetSh "show subinterfaces" command above.
1472 [bytes (octets)] actually translates to MTU=1500, because the "missing" 28 bytes are used by the Internet Control Message Protocol (ICMP) header [8 bytes (octets)] + the Internet Protocol (IP) [20 (octets)]:
http://community.arubanetworks.com/browse/articles/blogviewer?blogkey=75a5f030-1e9e-49bd-82d2-9a7f99c5aa82
In case you see this message
Ok.
you already have the optimal value of 1500 [the built-in/preset default/standard in Windows NTx OSes and most ISPs + IPv4 networks], your MTU is already configured for maximum speed, and you don't need to do anything else, you're all set. ;-/
In case you see any other message your MTU value is other than 1472 [which corresponds to MTU=1500 -> see above] (in rare cases, depending on certain internet/network providers/hosts), and therefore you need to determine its actual value, and set it accordingly in your registry in order to maximize your connection/interface speed.
From a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> run this command -> press Enter:
PING.EXE google.com -f -l 1472
wait a few seconds, and view the received message.
Ping [PING.EXE] executable DOS console command line tool is located in the %WinDir%\SYSTEM32 directory/folder [%WinDir% = usually C:\WINDOWS].
View all directories/folders listed in your system PATH from a DOS console command prompt [%WinDir%\SYSTEM32\CMD.EXE]: right-click CMD shortcut/CMD.EXE -> Run as Administrator -> type this command
PATH
-> press Enter.
PING:
http://www.ss64.com/nt/ping.html
If you have received a "Reply" message (example):
Reply from 142.250.69.238: bytes=68 (sent 1472) time=14ms TTL=112
followed by
Packets: [...] Lost = 0 (0% loss),

then your MTU value is 1472 [which corresponds to MTU=1500 -> see above] [the built-in/preset default/standard in Windows NTx OSes and most ISPs + IPv4 networks], and your MTU is already configured for maximum speed, and you don't need to do anything else, you're all set. ;-/
Values for bytes (octets), time [measured in milliseconds = ms] + Time To Live (TTL) [measured in seconds] can be different depending on many changing factors (examples): location, distance (number of hops) from pinged server, type of connection/service, server, latency (lag), traffic health/status.
In case you receive a "fragmented" message
Packet needs to be fragmented but DF set
followed by (example)
Packets: [...] Lost = 4 (100% loss),
you should re-test again (a few more times if necessary) by lowering your MTU numeric value in small increments [2, 3, 4, 6] until the result is replaced by a normal "Reply" message (example):
Reply from 142.250.69.238: bytes=68 (sent 1472) time=14ms TTL=112
In case the returned value is 1472 [which corresponds to MTU=1500 -> see above], then you already have the optimal value of 1500 [the built-in/preset default/standard in Windows NTx OSes and most ISPs + IPv4 networks], and your MTU is already configured for maximum speed, and you don't need to do anything else, you're all set. ;-/
In case your returned value is other than 1472 [which corresponds to MTU=1500 -> see above], then you can determine and set your optimal MTU value -> see "* Method 1 [the easiest way ;-/]:" further above.
You can set the optimal MTU value for your active internet/network connection type/connectoid/interface:
- by runing the NetSh "store=persistent" command -> see further above.
- OR by tweaking your registry -> see below:
TIP:
Use Notepad/similar/better free(ware) plain text/ASCII editor/viewer
http://www.mdgx.com/toy.htm#TXT
to create a plain text Registry file containing the lines between Cut & Paste delimiters below -> save it as plain text/ASCII file (Encode: -> ANSI) with the REG extension (.reg) -> right-click it -> Run as Administrator -> answer Yes/OK to all prompts to register/merge/import its information into your registry.
-----Begin cut & paste here-----

```
REGEDIT4
; In this example MTU [32-bit DWORD (REG_DWORD) value] = 5dc [hexadecimal (base 16)] = 1500 [decimal (numeric) (base 10)],
; which is the built-in/preset default/standard in Windows NTx OSes and most ISPs + IPv4 networks:
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{00000000-AAAA-1111-BBBB-222222222222}]
"MTU"=dword:5dc
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\Tcpip\Parameters\Interfaces\{00000000-AAAA-1111-BBBB-222222222222}]
"MTU"=dword:5dc
[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet002\Services\Tcpip\Parameters\Interfaces\{00000000-AAAA-1111-BBBB-222222222222}]
"MTU"=dword:5dc
;
```

------End cut & paste here------
You need to substitute all "00000000-AAAA-1111-BBBB-222222222222" (generic) instances with your actual Decentralized IDentifier (DID) (hard link) string which corresponds to your active internet/network connection/interface present in your registry under the "CurrentControlSet" Hive Key Local Machine (HKLM) subkey above.
See "* Link Directory IDentifier (LDID)/DIRectory IDentifier (DIRID)/Decentralized IDentifier (DID)" topic further above:
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.TXT
http://www.mdgx.com/WINDOWS7.pdf
More info:
Wikipedia: Time To Live (TTL):
http://en.wikipedia.org/wiki/Time_to_live
Wikipedia: Ping:
http://en.wikipedia.org/wiki/Ping_(networking_utility)
Wikipedia: NetSh:
http://en.wikipedia.org/wiki/Netsh
MDGx "Comprehensive Windows Registry Guide" chapter in RegGuide.txt (included):
http://www.mdgx.com/reg.htm
http://www.mdgx.com/RegGuide.pdf
http://www.mdgx.com/RegGuide.txt
MTU tweaking tool [free(ware)]:
TCP Optimizer 32-bit tweaks TCP/IP parameters to maximize Internet performance:
http://www.speedguide.net/tcpoptimizer.php
File:
http://www.speedguide.net/files/TCPOptimizer.exe
TCP Optimizer Documentation:
http://www.speedguide.net/articles.php?category=99

Windows 7/newer Reference, Resources + Free eBooks + Documentation

These apply to Windows 7, 8, 8.1, 10, 11 builds/editions/releases/versions.

FYI:
In case any of these online eBooks/documents become(s) unavailable you can always retrieve an archived/preserved/saved copy from the Internet Archive (Wayback Machine):
https://www.archive.org/
Guides + tools:
- Use Internet Archive (Wayback Machine):
http://help.archive.org/help/using-the-wayback-machine/
- Download files from Internet Archive (Wayback Machine):

http://help.archive.org/help/downloading-a-basic-guide/
- Download an entire archived/saved web site + all its files from Wayback Machine:
Wayback Machine Downloader downloads a snapshot of an entire archived/saved web site + all its files from Internet Archive (Wayback Machine):
http://github.com/hartator/wayback-machine-downloader/
Wayback Machine Downloader [ZIP archive]:
http://github.com/hartator/wayback-machine-downloader/archive/master.zip
Requires RubyInstaller for Windows [EXE installer]:
http://rubyinstaller.org/downloads/
RubyInstaller FAQ:
http://github.com/oneclick/rubyinstaller2/wiki/FAQ/

* Windows 7/newer eBooks, Guides, Tutorials + Documentation in PDF format [free, English]:
****
- Internet Archive (Wayback Machine): The Complete Windows 11 User Manual - 9th Edition (2023) [PDF]:
http://archive.org/details/the-complete-windows-11-user-manual-9th-edition/
http://archive.org/download/the-complete-windows-11-user-manual-9th-edition/The%20Complete%20Windows%2011%20User%20Manual%20-%209th_Edition.pdf
- Windows 11 for Dummies (2022) [PDF]:
https://web.archive.org/web/20240917124554/https://lgs.ly/books/%D9%88%D9%8A%D9%86%D8%AF%D9%88%D8%B2%2011.pdf
- Thiel College: Windows 10 Step by Step - 2nd Edition (2018) [PDF]:
http://www.thiel.edu/ee2assets/Win_10_Training_v1.pdf
- MS Press: Windows 10 IT Pro Essentials - Support Secrets (2016) [PDF]:
http://download.microsoft.com/download/9/3/7/937D982C-7697-4076-99FE-6856DA30B253/Microsoft_Press_ebook_Windows_10_Support_Secrets_PDF.PDF
- MS Press: Windows 10 IT Pro Essentials - Top 10 Tools (2016) [PDF]:
http://download.microsoft.com/download/7/3/8/7381E0E8-CE72-4366-9849-13B2BAFBBA3C/Microsoft_Press_ebook_Windows_10_Tools_8.5x11.pdf
- MS Press: Introducing Windows Server 2016 - Technical Preview (2016) [PDF]:
http://download.microsoft.com/download/7/1/B/71B9C665-6D2B-4154-AB7E-9CDC40647B57/697737_ebook_mobile_TechPreview.pdf
- MS Press: Introducing Windows 10 for IT Professionals - Technical Preview (2016) [PDF]:
http://download.microsoft.com/download/F/4/2/F42AE0AD-A9CB-4EE7-A209-D9A399604A72/Microsoft_Press_eBook_Introducing_Windows_10_PDF.pdf
- MS Press: Introducing Windows 10 for IT Professionals - Preview Edition (2015) [PDF]:
http://download.microsoft.com/download/D/2/B/D2B18586-8C4F-4F40-828D-99D96489152A/Microsoft_Press_eBook_Introducing_Windows_10_Preview_PDF.pdf
- Champlain College: Windows 10 Forensics (2015) [PDF]:
http://www.champlain.edu/documents/lcdi/windows%2010%20forensics.pdf
- Carnegie Mellon University - School of Computer Science: Getting to Know Windows 10 (2016) [PDF]:
http://computing.cs.cmu.edu/desktop/resources/gettoknow-w10.pdf
- ZDNet: 12 Tips to Get More Out of Windows 10 (2016) [PDF]:
http://s3.lightboxcdn.com/vendors/a1583f50-579b-41d0-8c4e-1cd1790d945c/uploads/5757229a-43fa-4abd-829c-254689aaedaf/12windows_tips_zd.pdf
- Sports Authority of India: Quick Start Guide to Windows 10 (2019) [PDF]:
http://nis-ir.tiss.co.in/nis/bitstream/123456789/98/29/windows%2010%20guide.pdf
- MDGx "Windows 10/2016/2019/2022/11/2025 Tweaks, Fixes, Guides, Downloads + Links" (2025) (included) [PDF]:
http://www.mdgx.com/10.php
http://www.mdgx.com/WIN10.pdf
- MDGx "Windows 8/2012/8.1/2012 R2 Tweaks, Fixes, Guides, Downloads + Links" (2025) (included) [PDF]:
http://www.mdgx.com/8.php
http://www.mdgx.com/WINDOWS8.pdf
- MDGx "Windows 7/7 SP1/2008 R2/newer Tweaks, Fixes, Guides, Downloads + Links" (2025) (this file) [PDF]:
http://www.mdgx.com/7.php
http://www.mdgx.com/WINDOWS7.pdf
- MS Press: Windows 7 Step by Step (2010) [PDF]:
http://www.spumonte.com/files/PDFs/_PC%20Books_/Windows%207/MS%20Press%20-%20Windows%207%20Step%20by%20Step.pdf
- Windows Guides: Windows 7 The Pocket Guide (RC1) (2009) [PDF]:
http://www.spumonte.com/files/PDFs/_PC%20Books_/Windows%207/Windows%207%20-%20The%20Pocket%20Guide.pdf
- QUE: Learn Windows 7 (2011) [PDF]:
http://www.pearsoned.co.uk/media/learn_win_7_download.pdf
- WindowsVJ: Windows 7 Tips & Tricks (2009) [PDF]:
http://www.windowsvj.com/wpblog/downloads/Windows%207%20%20Tips%20&%20Trics%20%5BVasu%20Jain%5D.pdf
- Wiley: Windows 7 Secrets (2009) [PDF]:
http://muricmilorad.wordpress.com/wp-content/uploads/2012/03/windows-7-secrets.pdf
- Freebox: Windows 7 - The Definitive Guide (2010) [PDF]:
http://emfr.free.fr/index/WIN7/OReilly.Windows.7.The.Definitive.Guide.The.Essential.Resource.for.Professionals.and.Power.Users.pdf
- MakeUseOf (MUO): The Windows 7 Guide (2009) [PDF]:
http://manuals.makeuseof.com.s3.amazonaws.com/for-mobile/makeuseof_Windows_7_Guide_r2.pdf
- UDM: Windows 7 Quick Reference Guide (2008) [PDF]:
http://www.udmercy.edu/about/its/help/files/windows7.pdf
- TheLongClimb: Windows 7 Power Users Guide (2009) [PDF]:
https://web.archive.org/web/20111110041616/http://www.thelongclimb.com/books/win7powerfree.pdf
- MS Press: Windows 7 Resource Kit (2009) [PDF]:
http://jacermeno.files.wordpress.com/2010/06/microsoft-press-windows-7-resource-kit-oct-2009.pdf
- TheWindowsClub: Windows 7 A Beginner's Guide (2009) [ZIPped PDF]:
http://www.thewindowsclub.com/downloads/W7ebookpdf.zip
- Pegaso: Microsoft Windows Registry Guide - 2nd Edition (2005) [PDF]:
http://lira.epac.to/DOCS-TECH/Sistemi%20Operativi/Windows/Microsoft%20Windows%20Registry%20Guide%20-%202nd%20Edition%20(2005).pdf
- The Internal Structure of Windows Registry (2009) [PDF format]:
https://web.archive.org/web/20190819040818/http://amnesia.gtisc.gatech.edu/~moyix/suzibandit.ltd.uk/MSc/Registry%20Structure%20-%20Main%20V4.pdf
- The Windows NT Registry File Format (2009) [PDF format]:
http://www.sentinelchicken.com/data/TheWindowsNTRegistryFileFormat.pdf
- Windows Registry Forensics (2011) [PDF format]:
http://paper.bobylive.com/Security/Windows%20Registry%20Forensics%20%20Advanced%20Digital%20Forensic%20Analysis%20of%20the%20Windows%20Registry.pdf

* Windows 7/newer Reference + Resources [English]:
****
- Windows 11:
http://en.wikipedia.org/wiki/Windows_11
- Category -> Windows 11:
http://en.wikipedia.org/wiki/Category:Windows_11
- Windows 11 Editions + Versions:
http://en.wikipedia.org/wiki/Windows_11#Versions
- Windows 11 Version History:
http://en.wikipedia.org/wiki/Windows_11_version_history
- List of features removed in Windows 11:
http://en.wikipedia.org/wiki/List_of_features_removed_in_Windows_11
- Criticism of Windows 11:
http://en.wikipedia.org/wiki/Windows_11#Reception
- Windows 10:
http://en.wikipedia.org/wiki/Windows_10
- Category -> Windows 10:
http://en.wikipedia.org/wiki/Category:Windows_10
- Windows 10 Editions + Versions:
http://en.wikipedia.org/wiki/Windows_10_editions
- Windows 10 Version History:
http://en.wikipedia.org/wiki/Windows_10_version_history
- List of features removed/missing in Windows 10:
http://en.wikipedia.org/wiki/List_of_features_removed_in_Windows_10
- Features + functionality removed in Windows 10:
http://learn.microsoft.com/windows/deployment/planning/windows-10-removed-features/
- Windows 10 features no longer developed:
http://learn.microsoft.com/windows/deployment/planning/windows-10-deprecated-features/
- Criticism of Windows 10:
http://en.wikipedia.org/wiki/Criticism_of_Windows_10
- Fix the Most Annoying Things in Windows 10:
http://www.pcmag.com/how-to/how-to-fix-the-most-annoying-things-in-windows-10/
- All the Useless Windows 10 Features Microsoft Should Remove:
http://www.howtogeek.com/437942/all-the-useless-windows-10-features-microsoft-should-remove/
- List of features removed or deprecated in Windows 10:
http://www.thewindowsclub.com/features-removed-in-windows-10/
- Windows 10 Problems, Issues with Solutions and Fixes:
http://www.thewindowsclub.com/windows-10-known-issues/
- Windows 10 Creators Update: new and removed features:
http://www.ghacks.net/2017/03/28/windows-10-creators-update-new-and-removed-features/
- List of features removed/missing in Windows 8/8.1:
http://en.wikipedia.org/wiki/List_of_features_removed_in_Windows_8
- Features and options removed/missing in Windows 8:
http://www.msfn.org/board/index.php?showtopic=156585
- 8 Features Microsoft Removed in Windows 8.1:
http://www.howtogeek.com/167610/8-features-microsoft-removed-in-windows-8.1/
- 5 core criticisms of Windows 8:
http://www.zdnet.com/article/five-core-criticisms-of-windows-8/
- Windows 8.1:
http://en.wikipedia.org/wiki/Windows_8.1
- Windows 8:
http://en.wikipedia.org/wiki/Windows_8
- Category -> Windows 8/8.1:
http://en.wikipedia.org/wiki/Category:Windows_8
- Windows 8 Editions + Versions:
http://en.wikipedia.org/wiki/Windows_8_editions
- Windows 7:
http://en.wikipedia.org/wiki/Windows_7
- Category -> Windows 7:
http://en.wikipedia.org/wiki/Category:Windows_7
- Features new to Windows 7:
http://en.wikipedia.org/wiki/Features_new_to_Windows_7
- List of features removed/missing in Windows 7:
http://en.wikipedia.org/wiki/List_of_features_removed_in_Windows_7
- List of software that doesn't support Windows 7 -> but you can make them work:
http://www.msfn.org/board/index.php?showtopic=181987
- Disadvantages of Windows 7:
http://www.techulator.com/resources/3311-Disadvantages-windows.aspx
- What are the disadvantages of Windows 7:
http://ostoday.org/windows/quick-answer-what-are-the-disadvantages-of-windows-7.html
- Windows NT [NTx]:
http://en.wikipedia.org/wiki/Windows_NT
- Comparison of Windows versions:
http://en.wikipedia.org/wiki/Comparison_of_Microsoft_Windows_versions
- List of Windows versions:
http://en.wikipedia.org/wiki/List_of_Microsoft_Windows_versions
- List of Windows NT [NTx] family codenames:
http://en.wikipedia.org/wiki/List_of_Microsoft_codenames#Windows_NT_family
_____

Free(ware), Open Source + Portable Software + Games @ MDGx.com

This applies to all Windows 7/newer builds/editions/releases/versions.

* MDGx text files (all included) + web pages:
- "650+ Useful Windows NTx [XP/newer] Tools [99.9% free(ware)]" in TOOLS.TXT:
http://www.mdgx.com/tools.php
http://www.mdgx.com/TOOLS.TXT
http://www.mdgx.com/TOOLS.pdf
- "Windows NTx Power Toys" section in SOFTWARE.TXT:
http://www.mdgx.com/toy.htm
- "Power Toys on the Internet" section in SOFTWARE.TXT:
http://www.mdgx.com/toy.htm#PTL
- "Windows NTx Tools" section in SOFTWARE.TXT:
http://www.mdgx.com/xptoy.htm
- "Internet Power Toys" section in SOFTWARE.TXT:
http://www.mdgx.com/nettoys.htm
- "Firewalls + Network Toys" section in SOFTWARE.TXT:
http://www.mdgx.com/fw.htm
- "Free Online Privacy, Safety + Security Scanners" (online only):
http://www.mdgx.com/safety.htm
- "List of Digital Photography, Imaging + Video Tools for Windows NTx":
http://www.mdgx.com/photo.php
http://www.mdgx.com/PHOTO.TXT
- "Speed-Up + Benchmark Tools" section in SOFTWARE.TXT:
http://www.mdgx.com/speed.htm
- "Disk Partitioning, Formatting, Backup + Recovery Tools" section in SECRETS.TXT:
http://www.mdgx.com/secrets.htm#FDPT
- "Free(ware) WinDOwS Games" section in SOFTWARE.TXT:
http://www.mdgx.com/g.htm#GC
- "PC + Online Games" (online only):
http://www.mdgx.com/game.htm
- "WWW/FTP, HTML + Image Publishing Tools" (online only):
http://www.mdgx.com/html.htm
- "FREEbies: Software Sites" (online only):
http://www.mdgx.com/free.htm

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