ANTI-FORENSIC TOOLS (UPDATED)

Tool Name	Short Description
AbsoluteTelnet	Hiding tool. Network-based, Telnet emulator, Windows, up-to-date, commercial, http://www.celestialsoftware.net/.
Ace encrypt	Encryption. Windows and Linux, up-to-date, both freeware and commercial, no site available.
Acid Cryptofiler	Encryption. Windows, outdated (2008), http://acid-cryptofiler.software.informer.com/7.1/.
AdvFS	Encryption. File-system level, Open-sourced, up-to-date.
AES Crypt*	Encryption. Windows, Linux, MacOS, mobile platforms. Open-source, up-to-date, file-based encryption support, https://www.aescrypt.com/.
Aloaha Crypt Disk	Encryption. Full-disk, Windows, up-to-date, http://www.aloaha.com/aloaha-crypt-disk/.
Aloaha PKCS #7 Crypter	Encryption. Windows, up-to-date, http://www.aloaha.com/aloaha-security-solutions/aloaha-crypt-sign-and-zip/aloaha-pkcs-7-crypter/.
Aloaha USB Endpoint Security	Several features.. Partially uses data hiding, partly implements data-loss-protection. http://www.aloaha.com/aloaha-security-solutions/aloaha-usb-monitor/.
Android Privacy Guard	Encryption. Latest version is 2014, https://github.com/thialfihar/apg.
AxCrypt	Encryption. Windows, MAC, IOS, Android. free and commercial, up-to-date https://www.axcrypt.net/.
Bcrypt	Encryption. Open-source, old, not practical http://bcrypt.sourceforge.net/.
BestCrypt Container Encryption	Encryption. Commercial, up-to-date, Windows https://www.jetico.com/.
BestCrypt Volume Encryption	Encryption. Commercial, up-to-date, Windows https://www.jetico.com/.
Bitlocker	Encryption. Windows.
Bmap*	Slack space hiding tool. Linux, open-source, obsolete. https://packetstormsecurity.com/files/17642/bmap-1.0.17.tar.gz.html.
Boringssl	Encryption. Data-in-transit, Forked Google developed SSL library.
Botan	Encryption. Cross-platform, up-to-date, https://botan.randombit.net/.
Bouncy Castle	Encryption. C#, open-source, cross-platform https://www.bouncycastle.org/.
Burneye	Encryption. https://github.com/packz/binary-encryption/blob/master/binary-encryption/burneye-stripped/src/burneye.c.
Ccrypt	Encryption. Files and streams. Outdated, Windows and Linux, http://ccrypt.sourceforge.net/.

Tool Name	Short Description
*Challenger**	Encryption. Files, portable and local usage, secure deletion, Windows, up-to-date, freeware and commercial, http://www.encryption-software.de/challenger/en/index.html.
CipherShed	Encryption. Project forked from TrueCrypt, community failed to get support, cross platform, https://ciphershed.org/.
CloudFogger	Encryption. Files, cloud storage services, background working, cross platform, freeware, up-to-date, https://cloudfogger.en.softonic.com/?ex=REG-60.2.
*CrossCrypt**	Encryption. CD/DVD encryption property is interesting, old, Windows, http://www.softpedia.com/get/Security/Encrypting/Cross-Crypt.shtml.
Cryptainer	Encryption. Windows, Up-to-date, freeware and commercial, https://www.cypherix.com/cryptainerle/.
Cryptarchiver	Encryption. Folders and disks. Windows, up-to-date, commercial.
*Cryptmount**	Encryption. Mounts encrypted file systems without privileged user accounts, Linux, up-to-date, library, http://cryptmount.sourceforge.net/.
*CryptoCat**	Encryption. Chat program, cross-platform, non-commercial, up-to-date, https://crypto.cat/.
*Cypherix**	Encryption. Splits hard drive into small containers and encrypts them, Windows, up-to-date, commercial, https://www.cypherix.com/cryptainerpe/.
DiskCryptor	Encryption. Drives, Windows, freeware, https://diskcryptor.net/wiki/Main_Page.
Dropbear	Encryption. SSH-based server, data-on-transit encryption, Linux, up-to-date, https://matt.ucc.asn.au/dropbear/dropbear.html.
eCryptfs	Encryption. Drives and folders, Linux, up-to-date, open-source, http://ecryptfs.org/.
Encrypted File System on AIX	Encryption. Files, Linux, up-to-date, open-source.
Ergosecure	Wiping and encryption. Cross-platform, up-to-date, commercial. https://egosecure.com/en/.
EncFS	Encryption. Files, open-source, Linux, up-to-date, https://github.com/vgough/encfs.
EncryptStick	Encryption. Cross-platform, commercial, up-to-date, https://www.encryptstick.com/.
GPG	Encryption. Open-source, Linux, up-to-date, https://gnupg.org/, similar applications are Gpg4win and GPGmail.
*Hcovert**	Steganography. Covert channel network data hiding tool, https://sourceforge.net/projects/hcovert/.
HICCUPS (Hidden communication system for corrupted networks)	Steganography. Link layer, requires CSMA/CD or CA channel access to read all the sent messages to retrieve hidden secret, http://krzysiek.tele.pw.edu.pl/pdf/acs2003-hiccups.pdf.
Hushmail	Encryption and safe deletion. Cross platform, commercial, up-to-date, https://www.hushmail.com/.

Tool Name	Short Description
Hydan	Steganography. Hides data into program executables, it is old but still works, Linux and Windows, http://www.crazyboy.com/hydan/.
I.CX	Encryption. Network, works on a web browser, https://i.cx/?icx.screen=home&convoId=0.
IAI-JCE	Encryption. Cross-platform, commercial, https://jce.iaik.tugraz.at/.
Imagespyer G2*	Steganography. Windows, freeware, up-to-date, http://qpdownload.com/imagespyer-g2/.
Invisible Secrets	Encryption and steganography. Windows, commercial, up-to-date, http://www.invisiblesecrets.com/.
Keepass	Encryption. Passwords, Cross-platform, up-to-date, open-source, https://keepass.info/.
Lastpass	Encryption. Passwords and files, Cross-platform, up-to-date, freeware and commercial, https://www.lastpass.com/.
Libressl	Encryption. OpenBSD and cross-platform, up-to-date, forked from OpenSSL, https://www.libressl.org/.
Loop AES	Encryption. Drives, open-source, Linux, up-to-date, https://sourceforge.net/projects/loop-aes/.
LUKS manager	Encryption. Drives, Linux, up-to-date, open source, https://sourceforge.net/projects/luks-manager/.
MagicFS*	Steganography with encryption. Data hiding in a ext2/3 file systems, Linux, up-to-date, open-source, http://magikfs.sourceforge.net/.
Mail1Click	Encryption. Web-based, cross platform, commercial and freeware, https://www.mail1click.com.
MatrixSSL	Encryption. Cross-platform, up-to-date, small fingerprint, https://github.com/matrixssl/matrixssl.
Mbed TLS	Encryption. Cross-platform, written in C, up-to-date, https://tls.mbed.org/.
metFS	Encryption. File system, UNIX and OpenBSD, http://www.enderunix.org/metfs/.
Mitto Password Manager	Encryption. Passwords, cross-platform, up-to-date, freeware, http://download.cnet.com/windows/mitto-password-manager/3260-20_4-10097870-1.html.
Mobistego	Steganography. Android, LSB-based, freeware and commercial, https://sourceforge.net/projects/mobistego/.
Mujahideen Secrets	Encryption. Windows, old, freeware, https://www.schneier.com/blog/archives/2008/02/mujahideen_secr_1.html .
NetPGP	Encryption. OpenBSD, cross-platform, http://netpgp.com/.
One big cloud (CloudZ)	Encryption. For cloud file-sharing applications like Google Drive, Dropbox, freeware and commercial, https://cloudz.io/.
OpenPuff	Steganography. Open-source, cross-platform, up-to-date, http://www.embeddedsw.net/OpenPuff_Steganography_Home.html.
OpenSSH	Encryption. SSH traffic, OpenBSD, cross-platform, up-to-date, https://www.openssh.com/.
OpenSSL	Encryption. For TLS and SSL, open-source, cross platform, up-to-date, https://www.openssl.org/.
OurSecret	Steganography. Windows, http://steganography.findmysoft.com/.

Tool Name	Short Description
Password Safe	Password encryption. Freeware, Windows, https://www.pwsafe.org/.
Peerio	Encryption. Chat and cloud, freeware and commercial, web based, https://www.peerio.com/.
PEFS (Private encrypted file system) on FreeBSD	Encryption. File systems for UNIX/Linux, open-source, up-to-date, PEFS (Private encrypted file system) on FreeBSD.
Private Disk	Disk encryption. Windows, commercial, https://www.dekart.com/products/encryption/private_disk/.
Proxy Crypt	File encryption. Windows, up-to-date, open source, https://sourceforge.net/projects/proxycrypt/.
Quick Crypto	Steganography and encryption. Windows, commercial, up-to-date, http://quickcrypto.com/download.html.
Red JPEG XT	Steganography. Windows, https://totalcmd.net/plugring/redjpeg.html.
Rohos mini drive*	Encryption. USB drive files,Windows, up-to-date, freeware https://www.rohos.com/products/rohos-disk-encryption/rohos-mini-drive/.
Sbwave	Encryption. Email, freeware, Windows, http://www.sbwave.com/enkryptor/home.html.
Scramdisk	Disk encryption. Linux, open-source, http://www.securiteam.com/tools/5VP011F0BY.html.
SecureDoc	Encryption. Holographic data hiding, watermarking, commercial, cross-platform, https://www.winmagic.com/.
SypproofVPN	Encryption. Data-in-transit, commercial, cross-platform, http://spyproof.net/.
StegFS	Steganography. Linux and FreeBSD, open-source, https://sourceforge.net/projects/stegfs/.
strongSwan	Encryption. Linux, open-source, https://strongswan.org/.
Stunnel*	Encryption. Data-in-transit, Linux, Windows, open-source, https://www.stunnel.org/.
Symantec Endpoint Protection	Drive encryption. Windows, commercial, https://www.symantec.com/products/endpoint-encryption.
TrueCrypt	Encryption. Cross-platform, open-source, obsolete, http://truecrypt.sourceforge.net/.
USBCrypt	Encryption. Flash drives, commercial, Windows, http://www.usbcrypt.com/.
Vera Crypt*	Encryption. Cross-platform, forked from True Crypt, up-to-date, https://www.veracrypt.fr/en/Home.html.
ViPNet Office	Encryption. VPN, data-in-transit, Windows, http://vipnet-office.download3000.com/.
Win PT	Encryption. Windows, open-source, up-to-date, http://winpt.wald.intevation.org/.
WolfSSL	Encryption. Internet of things, TLS support, light weight library for C programming language, up-to-date, Gnu License, https://www.wolfssl.com/.
Zfone	Encryption. Data-in-transit, VoIP, open-source, http://zfoneproject.com/

Tool Name	Short Description
ZFS	Encryption. Linux and UNIX, open-source, http://zfsonlinux.org/.
Artifact Wiping Tools	
ACleaner	Browser, application, and Windows registry data cleaner, up-to-date, freeware, http://www.cleanersoft.com/cleaner/privacy_registry_cleaner.htm.
Active Cleaner	Disk wiping, Windows, http://download.cnet.com/Active-Eraser/3000-2092_4-10199620.html.
Advanced System care Free*	PC Cleaner, freeware, Windows, up-to-date, https://www.iobit.com/en/advancedsystemcarefree.php.
Aevita Erase Hard Drive	Hard disk cleaner, wiping tool, Windows, beta version, http://aevita-erase-hard-drive.en.lo4d.com/.
Aevita Wipe & Delete	File and folder deletion tool, Windows, http://aevita-wipe-and-delete.en.lo4d.com/.
Aomei Partition Assistant	Disk wiping, Windows, commercial, https://www.disk-partition.com/free-partition-manager.html.
Argente Utilities*	Registry fixing, disk wiping, shredding, Windows, freeware, https://argenteutilities.com/.
Ashampoo WinOptimizer	Registry fixing, disk wiping, browser data cleaning, Windows, up-to-date, freeware, https://www.ashampoo.com/en/usd/pin/3606/system-software/winoptimizer-free.
Auslogics Registry Cleaner	Registry wiping, Windows, freeware, up-to-date, https://www.auslogics.com/en/software/registry-cleaner/.
Baidu PC Faster	Generic wiping tool, Windows, up-to-date, http://www.pcfaster.com/en/.
BCWipe	Data wiping, cross-platform, up-to-date, commercial, https://www.jetico.com/downloads/data-wiping.
BitKiller	Data wiping, Windows, freeware, not very new, relatively basic tool, http://www.snapfiles.com/get/bitkiller.html.
Blancoo Tools	Comprehensive data wiping tools for cross platform, commercial, up-to-date, https://www.blancco.com/.
CBL Data Shredder	Data wiping, Windows, up-to-date, freeware, http://www.cbldatarecovery.com/data-shredder/.
CCleaner*	Generic data cleaner, wiping tool, freeware and commercial, suitable for home-use, up-to-date, https://www.ccleaner.com/ccleaner.
Cleanersoft Registry Fix	Registry wiping, Windows, freeware, up-to-date, http://www.cleanersoft.com/registry_fix/free_registry_fix.htm.
CyberScrub	Firm provides wiping tool for generic data wiping, Windows, commercial, http://www.cyberscrub.com/.
DBAN*	Hard disk wiping tool, cross-platform, freeware, up-to-date, https://dban.org/.
Dclasfy	Disk wiping, Windows, command-line tool, not new, http://www.dmares.com/maresware/html/declasfy.htm.

Tool Name	Short Description
Delete Files Permanently	Small size file deletion tool, Windows, commercial, http://download.cnet.com/Delete-Files-Permanently/3000-2248_4-10790111.html.
DP Secure Wiper	File wiping, Windows, freeware, up-to-date, https://www.ghacks.net/2008/05/09/dp-secure-wiper-removes-files-securely-from-your-system/.
East-tec Eraser	Generic data wiper, Windows, commercial, up-to-date, https://www.east-tec.com/eraser/.
Eraser	File and disk wiping, Windows, up-to-date, commercial, https://eraser.heidi.ie/.
Eusing Registry Cleaner	Registry wiping, fixing tool, Windows, freeware, not new, http://www.eusing.com/free_registry_cleaner/registry_cleaner.htm.
FCleaner	Generic data wiping, Windows, freeware, not new, http://www.fcleaner.com/.
Free Easis Data Eraser	Data wiping tool, Windows, freeware, obsolete, http://download.cnet.com/EASIS-Data-Eraser/3000-2092_4-75452799.html.
Free Window Registry Repair	Registry wiping, Windows, freeware, not new, http://download.cnet.com/Free-Window-Registry-Repair/3000-2086_4-10606555.html.
Freeraser	File wiping, Windows, freeware, not new, http://www.freeraser.com/
Glary Utilities	Generic data wiping, registry cleaning tools, windows, freeware, up-to-date, https://www.glarysoft.com/.
Hard Disk Scrubber	Disk cleaning tool, Windows, freeware, not new, http://summitcn.com/hdscrub.html.
Hard Drive Eraser	Complete hard disk wiping, Windows, freeware, http://www.harddriveeraser.org/.
Hardwipe	Disk wiping, Windows, freeware, up-to-date, http://hardwipe.com/.
HDDerase	Bootable disk wiping tool, cross-platform, not new, https://www.lifewire.com/hdderase-review-2619137.
JetClean	Generic clean tool, Windows, freeware, not new, http://www.majorgeeks.com/files/details/jetclean.html.
Macrorit Data Wiper	Disk wiper, Windows, freeware, up-to-date, https://macrorit.com/free-data-wiper.html.
Mini Tool Drive Wipe	Drive wiping, Windows, up-to-date. freeware, https://www.minitool.com/free-tools/minitool-drivewipe.html.
Ontrack Eraser Degausser	Disk Destruction, Degaussing, https://www.ontrack.com/products/data-erasure/degausser/.
Pointstone Registry Cleaner	Registry wiping, fixing, commercial, up-to-date, https://www.pointstone.com/download/.
Powertools Lite	Generic wiping, disk wiping, registry fixing, up-to-date, Windows, commercial, https://www.macecraft.com/download/.
PrivaZer	Cleaner and wiping tool, Windows, up-to-date, freeware,

Tool Name	Short Description
	https://privazer.com/.
Protect Star Data Shredder	Data wiping, Windows, commercial, up-to-date, https://www.protectstar.com/en/products/data-shredder.
Registry Life	Registry fixing, Windows, up-to-date, freeware, https://www.chemtable.com/RegistryLife.htm.
Registry Recycler	Registry wiping, freeware, Windows, up-to-date, https://www.registryrecycler.com/.
Registry Repair	Registry fixing, Windows, freeware, up-to-date, http://download.cnet.com/Free-Window-Registry-Repair/3000-2086_4-10606555.html.
RegSeeker	Generic erasing, registry fixing, tuning, Windows, up-to-date, http://www.hoverdesk.net/index.php.
Remo Drive Wipe	Drive wiping, Windows, freeware and commercial, up-to-date, https://www.remosoftware.com/remo-drive-wipe.
Remo File Eraser	File deletion tool, Windows, freeware and commercial, up-to-date, https://www.remosoftware.com/remo-file-eraser.
R-Wipe & Clean	Wiping tool for files, Windows, commercial, up-to-date, http://www.r-wipe.com/.
Sdelete	System Internals tool from Windows, Wiping, Windows, freeware, up-to-date, https://docs.microsoft.com/en-us/sysinternals/downloads/sdelete.
Secure Clean	Wiping tool, Windows, commercial, up-to-date, https://www.whitecanyon.com/home-products/secureclean.
Secure Eraser	Wiping, Windows, freeware and commercial, up-to-date, http://www.secure-eraser.com/.
Securely File Shredder	File eraser, Windows, freeware, up-to-date, http://www.securely.co/.
SlimCleaner Free	Wiping and generic file deletion, Windows, up-to-date, freeware, http://download.cnet.com/SlimCleaner-Free/3000-18512_4-75279939.html.
System Mechanic Free	Generic wiping, Windows, up-to-date, freeware and commercial, http://www.iolo.com/downloads/download-system-mechanic/.
Timestomp*	Metadata wiping, Windows and Linux, open-source, https://sourceforge.net/projects/timestomp-gui/.
TweakNow RegCleaner	Registry cleaner, Windows, freeware, up-to-date, http://www.tweaknow.com/RegCleaner.php.
TweakNow SecureDelete	Disk wiping tool. Windows, freeware, up-to-date, http://www.tweaknow.com/SecureDelete.php.
Wise Care 365	Generic wiping tool, Windows, freeware and commercial. Up-to-date, http://www.wisecleaner.com/wise-care-365.html.
XT File Shredder Lizard	File removal tool. Windows, freeware, up-to-date, http://www.lizard-labs.com/xt_file_shredder_lizard.aspx.
Ya- wipe	Disk degaussing, cross-platform, obsolete, http://freshmeat.sourceforge.net/projects/ya-wipe.
Trail Obfuscation Tools	
Attention-	Memory obfuscation, https://code.google.com/archive/p/attention-deficit-

Tool Name	Short Description
deficit disorder (ADD)	disorder/.
Bitblinder	Anonymous P2P, https://bitblinder.en.uptodown.com/windows.
Fake Location	GPS data obfuscation for mobile, http://download.cnet.com/Fake-Location/3000-12941_4-75463190.html.
Filetopia	P2P sharing, cross-platform, http://www.filetopia.org/.
GNUnet	Secure P2P, https://gnunet.org/.
I2P*	Anonymous networking, cross-platform, https://geti2p.net/en/.
I2P-bote	Anonymous email service using I2P network, https://github.com/i2p/i2p.i2p-bote.
IMule	Anonymous P2P, https://imule.en.softonic.com/.
JonDonym	Anonymous proxy and web surfing, https://anonymous-proxy-servers.net/en/index2.html.
Marabunta	Anonymous free-net P2P, http://marabunta.laotracara.com/english.php.
MUTE	Anonymous P2P network, file sharing, https://sourceforge.net/projects/mute-net/.
Netsukuku	Anonymous P2P, free-net project, https://github.com/Netsukuku/netsukuku.
OFFSystem	Highly connected P2P network, http://offsystem.sourceforge.net/.
OneSwarm	Private P2P sharing, http://www.oneswarm.org/.
Perfect Dark	P2P file sharing, http://kasumi.moe/pd/.
Retroshare	Encrypted chat, mail, share using Tor / I2P, http://retroshare.net/.
StealthNet	Anonymous file sharing, http://www.stealthnet.de/en_index.php.
Stego Share	File sharing using steganography, http://stegoshare.sourceforge.net/.
Tribler	Anonymous, Tor-based P2P, https://www.tribler.org/.
Attacks against forensic tools and methods	
7-zip	Program packer, hard to analyze, initially archive needs unpacking, http://www.7-zip.org/.
BitCrypter	Program Packet, commercial, https://www.crypter.com/download.html.
PECompact*	Program packer, https://bitsum.com/portfolio/PECompact/.
UPX (Ultimate Packer for eXecutables)	Executable packer, cross-platform, open-source, up-to-date, https://github.com/upx/upx/releases/tag/v3.94.