

# An A-Z Index of the **Windows CMD** command line

**ADDUSERS** Add or list users to/from a CSV file  
**ADmodcmd** Active Directory Bulk Modify  
**ARP** Address Resolution Protocol  
**ASSOC** Change file extension associations•  
**ASSOCIAT** One step file association  
**AT** Schedule a command to run at a specific time  
**ATTRIB** Change file attributes

b

**BCDBOOT** Create or repair a system partition  
**BCDEDIT** Manage Boot Configuration Data  
**BITSADMIN** Background Intelligent Transfer Service  
**BOOTCFG** Edit Windows boot settings  
**BROWSTAT** Get domain, browser and PDC info

c

**CACLS** Change file permissions  
**CALL** Call one batch program from another•  
**CERTREQ** Request certificate from a certification authority  
**CERTUTIL** Utility for certification authority (CA) files and services  
**CD** Change Directory - move to a specific Folder•  
**CHANGE** Change Terminal Server Session properties  
**CHKDSK** Check Disk - check and repair disk problems  
**CHKNTFS** Check the NTFS file system  
**CHOICE** Accept keyboard input to a batch file  
**CIPHER** Encrypt or Decrypt files/folders  
**CleanMgr** Automated cleanup of Temp files, recycle bin  
**CLIP** Copy STDIN to the Windows clipboard  
**CLS** Clear the screen•  
**CMD** Start a new CMD shell  
**CMDKEY** Manage stored usernames/passwords  
**COLOR** Change colors of the CMD window•  
**COMP** Compare the contents of two files or sets of files  
**COMPACT** Compress files or folders on an NTFS partition  
**COMPRESS** Compress one or more files  
**CONVERT** Convert a FAT drive to NTFS  
**COPY** Copy one or more files to another location•  
**Coreinfo** Show the mapping between logical & physical processors  
**CSCcmd** Client-side caching (Offline Files)  
**CSVDE** Import or Export Active Directory data

d

**DATE** Display or set the date•  
**DEFRAG** Defragment hard drive  
**DEL** Delete one or more files•  
**DELPROF** Delete user profiles  
**DELTREE** Delete a folder and all subfolders  
**DevCon** Device Manager Command Line Utility  
**DIR** Display a list of files and folders•  
**DIRQUOTA** File Server Resource Manager Disk quotas  
**DIRUSE** Display disk usage  
**DISKPART** Disk Administration  
**DISKSHADOW** Volume Shadow Copy Service  
**DISKUSE** Show the space used in folders  
**DOSKEY** Edit command line, recall commands, and create macros  
**DriverQuery** Display installed device drivers  
**DSACLs** Active Directory ACLs  
**DSAdd** Add items to active directory (user group computer)  
**DSGet** View items in active directory (user group computer)  
**DSQuery** Search for items in active directory (user group computer)  
**DSMod** Modify items in active directory (user group computer)  
**DSMove** Move an Active directory Object  
**DSRM** Remove items from Active Directory

e

**ECHO** Display message on screen.  
**ENDLOCAL** End localisation of environment changes in a batch file.  
**ERASE** Delete one or more files.  
**EVENTCREATE** Add a message to the Windows event log  
**EXIT** Quit the current script/routine and set an errorlevel.  
**EXPAND** Uncompress CAB files  
**EXTRACT** Uncompress CAB files

**f**
  
**FC** Compare two files  
**FIND** Search for a text string in a file  
**FINDSTR** Search for strings in files  
**FOR /F** Loop command: against a set of files.  
**FOR /F** Loop command: against the results of another command.  
**FOR** Loop command: all options Files, Directory, List.  
**FORFILES** Batch process multiple files  
**FORMAT** Format a disk  
**FREEDISK** Check free disk space  
**FSUTIL** File and Volume utilities  
**FTP** File Transfer Protocol  
**FTYPE** File extension file type associations.

**g**
  
**GETMAC** Display the Media Access Control (MAC) address  
**GOTO** Direct a batch program to jump to a labelled line.  
**GPRESULT** Display Resultant Set of Policy information  
**GPUUPDATE** Update Group Policy settings

**h**
  
**HELP** Online Help  
**HOSTNAME** Display the host name of the computer

**i**
  
**icacls** Change file and folder permissions  
**IEXPRESS** Create a self extracting ZIP file archive  
**IF** Conditionally perform a command.  
**IFMEMBER** Is the current user a member of a group  
**IPCONFIG** Configure IP  
**INUSE** Replace files that are in use by the OS

**l**
  
**LABEL** Edit a disk label  
**LOGMAN** Manage Performance Monitor logs  
**LOGOFF** Log a user off  
**LOGTIME** Log the date and time in a file

**m**
  
**MAKECAB** Create .CAB files  
**MAPISEND** Send email from the command line  
**MBSAcli** Baseline Security Analyzer  
**MEM** Display memory usage  
**MD** Create new folders.  
**Mklink** Create a symbolic link (linkd) .  
**MODE** Configure a system device COM/LPT/CON  
**MORE** Display output, one screen at a time  
**MOUNTVOL** Manage a volume mount point  
**MOVE** Move files from one folder to another.  
**MOVEUSER** Move a user from one domain to another  
**MSG** Send a message  
**MSIEXEC** Microsoft Windows Installer  
**MSINFO32** System Information  
**MSTSC** Terminal Server Connection (Remote Desktop Protocol)

**n**
  
**NET** Manage network resources  
**NETDOM** Domain Manager  
**NETSH** Configure Network Interfaces, Windows Firewall & Remote access  
**NBTSTAT** Display networking statistics (NetBIOS over TCP/IP)  
**NETSTAT** Display networking statistics (TCP/IP)  
**NLSINFO** Display locale information (reskit).  
**NLTEST** Network Location Test (AD)

NOW Display the current Date and Time  
NSLOOKUP Name server lookup  
NTBACKUP Backup folders to tape  
NTDSUtil Active Directory Domain Services management  
NTRIGHTS Edit user account rights  
NVSPBIND Modify network bindings

o

OPENFILES Query or display open files

p

PATH Display or set a search path for executable files.  
PATHPING Trace route plus network latency and packet loss  
PAUSE Suspend processing of a batch file and display a message.  
PERMS Show permissions for a user  
PERFMON Performance Monitor  
PING Test a network connection  
POPD Return to a previous directory saved by PUSHHD.  
PORTQRY Display the status of ports and services  
POWERCFG Configure power settings  
PRINT Print a text file  
PRINTBRM Print queue Backup/Recovery  
PRNCNFG Configure or rename a printer  
PRNMNGR Add, delete, list printers and printer connections  
ProcDump Monitor an application for CPU spikes  
PROMPT Change the command prompt.  
PsExec Execute process remotely  
PsFile Show files opened remotely  
PsGetSid Display the SID of a computer or a user  
PsInfo List information about a system  
PsKill Kill processes by name or process ID  
PsList List detailed information about processes  
PsLoggedOn Who's logged on (locally or via resource sharing)  
PsLogList Event log records  
PsPasswd Change account password  
PsPing Measure network performance  
PsService View and control services  
PsShutdown Shutdown or reboot a computer  
PsSuspend Suspend processes  
PUSHHD Save and then change the current directory.

q

QGREP Search file(s) for lines that match a given pattern  
Query Process / QPROCESS Display processes  
Query Session / QWinsta Display all sessions (TS/Remote Desktop)  
Query TermServer / QAppSrv List all servers (TS/Remote Desktop)  
Query User / QUSER Display user sessions (TS/Remote Desktop)

r

RASDIAL Manage RAS connections  
RASPHONE Manage RAS connections  
RECOVER Recover a damaged file from a defective disk  
REG Registry: Read, Set, Export, Delete keys and values  
REGEDIT Import or export registry settings  
REGSVR32 Register or unregister a DLL  
REGINI Change Registry Permissions  
REM Record comments (remarks) in a batch file.  
REN Rename a file or files.  
REPLACE Replace or update one file with another  
Reset Session Delete a Remote Desktop Session  
RD Delete folder(s).  
RMTSHARE Share a folder or a printer  
ROBOCOPY Robust File and Folder Copy  
ROUTE Manipulate network routing tables  
RUN Start | RUN commands  
RUNAS Execute a program under a different user account  
RUNDLL32 Run a DLL command (add/remove print connections)

s

SC Service Control  
SCHTASKS Schedule a command to run at a specific time  
SET Display, set, or remove session environment variables.  
SETLOCAL Control the visibility of environment variables.  
SetSPN Edit Service Principal Names  
SETX Set environment variables  
SFC System File Checker  
SHARE List or edit a file share or print share  
ShellRunAs Run a command under a different user account  
SHIFT Shift the position of batch file parameters.  
SHORTCUT Create a windows shortcut (.LNK file)  
SHUTDOWN Shutdown the computer  
SLEEP Wait for x seconds  
SLMGR Software Licensing Management (Vista/2008)  
SORT Sort input  
START Start a program, command or batch file.  
STRINGS Search for ANSI and UNICODE strings in binary files  
SUBINACL Edit file and folder Permissions, Ownership and Domain  
SUBST Associate a path with a drive letter  
SYSMON Monitor and log system activity to the Windows event log  
SYSTEMINFO List system configuration

t

TAKEOWN Take ownership of a file  
TASKLIST List running applications and services  
TASKKILL End a running process  
TELNET Communicate with another host using the TELNET protocol  
TIME Display or set the system time.  
TIMEOUT Delay processing of a batch file  
TITLE Set the window title for a CMD.EXE session.  
TLIST Task list with full path  
TOUCH Change file timestamps  
TRACERT Trace route to a remote host  
TREE Graphical display of folder structure  
TSDISCON Disconnect a Remote Desktop Session  
TSKILL End a running process  
TSSHUTDN Remotely shut down or reboot a terminal server  
TYPE Display the contents of a text file.  
TypePerf Write performance data to a log file  
TZUTIL Time Zone Utility

v

VER Display version information.  
VERIFY Verify that files have been saved.  
VOL Display a disk label.

w

W32TM Time Service  
WAITFOR Wait for or send a signal  
WEVTUTIL Clear event logs, enable/disable/query logs  
WHERE Locate and display files in a directory tree  
WHOAMI Output the current UserName and domain  
WINDIFF Compare the contents of two files or sets of files  
WINRM Windows Remote Management  
WINRS Windows Remote Shell  
WMIC WMI Commands  
WUAUCLT Windows Update

x

XCACLS Change file and folder permissions  
XCOPY Copy files and folders  
:: Comment / Remark.

Commands marked • are *Internal* commands only available within the CMD shell.

All other commands (not marked with •) are *external* commands.

External commands may be used under the CMD shell, [PowerShell](#), or directly from [START-RUN](#).