| SS64 | CMD › | How-to › | m | Search |

An A-Z Index of Windows CMD commands.

ADDUSERS Add or list users to/from a CSV file
ADmodcmd Active Directory Bulk Modify
ARP   Address Resolution Protocol
ASSOC   Change file extension associations•
ATTRIB Change file attributes
b
BCDBOOT Create or repair a system partition
BCDEDIT Manage Boot Configuration Data
BITSADMIN Background Intelligent Transfer Service
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 Manage certification authority (CA) files and services
CD   Change Directory - move to a specific Folder•
CHANGE   Change Terminal Server Session properties
CHANGEPK Upgrade device Edition/Product Key
CHCP   Change the active console Code Page
CHDIR   Change Directory - move to a specific Folder•
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
CON   Console input
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
CURL   Transfer data from or to a server
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
DISM   Deployment Image Servicing and Management
DisplaySwitch Specify which display to use and how to use it
DNSCMD Manage DNS servers
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 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
Dsmgmt   Directory Service Management
e
ECHO   Display message on screen•

```
    ENDLOCAL End localisation of the environment 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
    EXPLORER Open Windows Explorer
    EXTRACT  Uncompress CAB files
f
    FC       Compare two files
    FIND     Search for a text string in a file
    FINDSTR  Search for strings in files
    FLTMC    Manage MiniFilter drivers
    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
    GPUPDATE 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
    LGPO     Local Group Policy Object utility
    LODCTR   Load PerfMon performance counters
    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
    Manage-BDE BitLocker Drive Encryption
    MBSAcli  Baseline Security Analyzer
    MD       Create a new Directory •
    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(RDP)
n
    NET      Manage network resources
    NETDOM   Domain Manager
    NETSH    Configure Network Interfaces, 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)
    NMBIND   Manage Hyper-V network bindings
    NOW      Display the current Date and Time
    NSLOOKUP Name server lookup
    NTBACKUP Windows 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•
    PERMS   Show permissions for a user
    PING   Test a network connection
    PKTMON   Monitor internal packet propagation and packet drop reports
    POPD   Return to a previous directory saved by PUSHD•
    PORTQRY   Display the status of ports and services
    POWERCFG Configure power settings
    PRINT   Print a text file
    PRINTBRM Print queue Backup/Recovery
    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
    PUSHD   Save and then change the current directory•
q
    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
    RD   Delete a Directory •
    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
    RMDIR   Delete a Directory •
    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
    ScriptRunner Run one or more scripts
    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
    SIGCHECK Display file version no. VirusTotal status & timestamp
    SLEEP   Wait for x seconds
    SLMGR   Software Licensing Management
    SORT   Sort input

```
    SSH       OpenSSH remote login client
    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
    TAR       Store, list or extract files in an archive
    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/command
    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
    TYPE      Display the contents of a text file•
    TypePerf  Write Performance Monitor data to a log file
    TZUTIL    Time Zone Utility
v
    VER       Display version information•
    VERIFY    Verify that files have been saved•
    VMConnect Connect to a Hyper-V Virtual Machine
    VOL       Display a disk label•
    VSSADMIN  Display volume shadow copy backups + writers/providers.
w
    W32TM     Time Service
    WAITFOR   Wait for or send a signal
    WBADMIN   Windows Backup Admin
    WECUTIL   Windows Event Collector Utility
    WEVTUTIL  Clear event logs, enable/disable/query logs
    WHERE     Locate and display files in a directory tree
    WHOAMI    Output the current UserName and domain
    WHOIS     Lookup the registration record for a domain
    WINDIFF   Compare the contents of two files or sets of files
    WINGET    Windows Package Manager (coming May 2021)
    WINRM     Windows Remote Management
    WINRS     Windows Remote Shell
    WMIC      WMI Commands
    WPEUTIL   Run WinPE commands
    WPR       Windows Performance Recorder
    WT        Windows Terminal
    WUSA      Windows Update Standalone Installer
    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.

See also:

A categorized list of Windows CMD commands.
Microsoft Help pages: Windows Commands 8.1-10 / Windows Server 2012-2019
Discussion forum
Links to other sites, books etc...