Windows CMD Commands - Networking & System Management
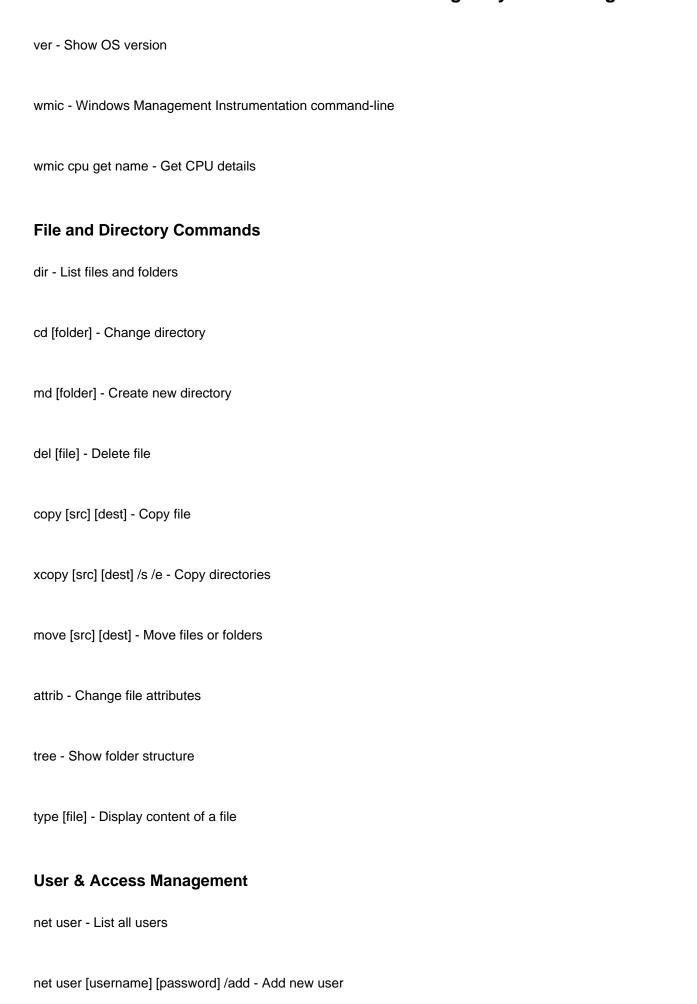
Networking CMD Commands

ipconfig - Show IP address, subnet mask, and default gateway

ipconfig /all - Detailed network configuration

ipconfig /release - Release current IP address

ipconfig /renew - Request new IP address

ipconfig /flushdns - Clear DNS cache

ping [hostname/IP] - Test network connectivity

tracert [hostname/IP] - Trace route to host

nslookup [domain] - Get DNS info for a domain

netstat - Display network connections

netstat -an - Show all connections and listening ports

netstat -r - Display routing table

arp -a - Show ARP table

route print - View routing table

nbtstat -n - View NetBIOS local name table

nbtstat -A [IP] - Get NetBIOS names for a remote IP

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telnet [IP/hostname] [port] - Test access to ports

ftp [hostname] - FTP client

netsh wlan show profiles - Show saved Wi-Fi profiles

netsh wlan show profile name="[profile]" key=clear - Show Wi-Fi password

net use - Connect to shared resources

net share - Manage shared folders

net view - View shared resources on network

System Information and Control

systeminfo - Detailed system info

hostname - Display computer name

tasklist - List all running processes

taskkill /PID [pid] /F - Force kill a process

sfc /scannow - Scan and repair system files

chkdsk - Check disk for errors

driverquery - Show installed drivers

msinfo32 - Opens detailed system information GUI

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ver - Show OS version

wmic - Windows Management Instrumentation command-line

wmic cpu get name - Get CPU details

File and Directory Commands

dir - List files and folders

cd [folder] - Change directory

md [folder] - Create new directory

del [file] - Delete file

copy [src] [dest] - Copy file

xcopy [src] [dest] /s /e - Copy directories

move [src] [dest] - Move files or folders

attrib - Change file attributes

tree - Show folder structure

type [file] - Display content of a file

User & Access Management

net user - List all users

net user [username] [password] /add - Add new user

Windows CMD Commands - Networking & System Management

net localgroup - Show local groups

net localgroup administrators [user] /add - Add user to admin group

net accounts - Set password policies

Advanced & Miscellaneous CMD Commands

shutdown /s /t 0 - Shutdown PC

shutdown /r /t 0 - Restart PC

cls - Clear screen

pause - Pause script execution

echo [text] - Print text

set - Show environment variables

title [text] - Set CMD window title

color 0A - Change text and background color