

Windows 11 Command Line Cheat Sheet

System Information	
msinfo32	Opens the System Information tool
whoami	Show current username
WinVer	Shows the current Windows version
Resetting Network Adapter	
Winsock reset command restarts the communication required between your device and the network. (Run as administrator in Command Prompt (CMD))	
1. Type netsh winsock reset and select Enter	
2. Type netsh int ip reset and select Enter .	
3. Type ipconfig /release and select Enter .	
4. Type ipconfig /renew and select Enter .	
5. Type ipconfig /flushdns and select Enter .	
Ipconfig	
Ipconfig displays all current TCP/IP network configuration values and refreshes Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) settings. Used without parameters, ipconfig displays IPv4 and IPv6 addresses, subnet mask, and default gateway for all adapters. Flushes and resets the contents of the DNS client resolver cache.	
ipconfig	To display the basic TCP/IP configuration
ipconfig /all	To display the full TCP/IP configuration
ipconfig /flushdns	To flush the DNS resolver cache
ipconfig /release & ipconfig /renew	To release and renew IP address
ipconfig /displaydns	To display DNS settings
ipconfig /registerdns	To resolve DNS conflicts
Networking (Powershell)	
Get-NetIPConfiguration -All	Get all IP configuration details
Get-NetIPConfiguration	Get-NetIPConfiguration gets IP network configuration.
Get-NetIPConfiguration	Get the IP configuration
Find Windows Licence Key	
wmic path softwareLicensingService get OA3xOriginalProductKey	Find Windows Licence Key within the Command Prompt
powershell "(Get-WmiObject -query 'select * from SoftwareLicensingService').OA3xOriginalProductKey"	Find Windows Licence Key within the PowerShell
How to find serial number on Windows	
wmic bios get serialnumber	Run in command prompt

How to reveal Wi-Fi Passwords	
Netsh wlan show profile	A list of Wi-Fi networks will appear
Netshlan show profile name="XXXXXXXX" key=clear	Find Wi-Fi password
How to ping a Website	
Ping allows a user to test and verify if a particular destination IP address exists and can accept requests in computer network administration.	
ping google.com	Ping Google website
ping 8.8.8.8	Ping Google website (via IP address)
Tracert Diagnostic Utility	
The TRACERT diagnostic utility determines the route to a destination by sending Internet Control Message Protocol (ICMP) echo packets to the destination.	
tracert -d google.com	
tracert /4/d www.microsoft.com	
DiskPart	
The diskpart command helps one manage computer's drive (disk, partitions, volumes, or virtual hard disks. Here is the Microsoft link.	
Windows Package Manager (winget)	
The winget command-line tool is a power tool for managing software packages. For more information, visit Microsoft here . Winget normally comes preinstalled on Windows 11. It can be downloaded via the Microsoft Store or Github .	
winget list	Shows list of all applications
winget search <app_name>	Search for an application
winget install <app_name>	Install an application
winget uninstall <app_name>	Uninstall an application
winget upgrade <app_name>	Upgrade an application
winget upgrade -all	Upgrade all applications
Restart into the BIOS	
Shutdown /r /f /t 0	Reboot the computer into the system bios
System File Checker	
sfc /scannow	Scan all protected system files and replace corrupted files.
Name Server Lookup	
Nslookup is used to obtain domain name or IP address information	
nslookup www.example.com	Query a domain
nslookup 8.8.8.8	Query an IP address
nslookup www.example.com 8.8.4.4	Set DNS Server