

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 |