



Basic Windows Command

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Network Commands

Command	Description
<code>ipconfig</code>	Displays IP address, subnet mask, and default gateway.
<code>ipconfig /all</code>	Shows detailed network configuration (MAC, DNS, DHCP, etc.).
<code>ipconfig /all findstr IPv4</code>	Filters to show only IPv4 addresses.
<code>getmac /v</code>	Displays MAC addresses of all network interfaces with additional info.
<code>net share</code>	Lists shared resources on the local system.

User & System Identity

Command	Description
<code>net user</code>	Lists all local user accounts.
<code>hostname</code>	Shows the system's network name.
<code>whoami</code>	Displays the current logged-in user.

System Utilities (Run via `Win + R` or Command Prompt)

Command	Description
<code>ncpa.cpl</code>	Opens Network Connections window.
<code>firewall.cpl</code>	Opens Windows Firewall settings.
<code>appwiz.cpl</code>	Opens Programs and Features (uninstall programs).
<code>sysdm.cpl</code>	Opens System Properties.

<code>optionalfeatures</code>	Opens Windows Features dialog (enable/disable features).
<code>lusrmgr.msc</code>	Opens Local Users and Groups Manager (Not in Home edition).

Licensing & Version

Command	Description
<code>winver</code>	Shows Windows version and build number.
<code>slmgr /xpr</code>	Displays Windows activation status (expiration info).



netstat – Network Statistics

Command	Description
<code>netstat</code>	Lists active TCP connections.
<code>netstat -a</code>	Shows all connections and listening ports.
<code>netstat -n</code>	Displays addresses and ports in numeric form.
<code>netstat -an</code>	Combines <code>-a</code> and <code>-n</code> to show all active/listening ports in numeric format.
<code>netstat -b</code>	Shows which executable created each connection (requires admin).
<code>netstat -o</code>	Displays the Process ID (PID) using each connection.
<code>netstat -ano</code>	Full details: all connections, numeric, with PID (commonly used in troubleshooting).



telnet – Remote Connectivity Tool

Command	Description
<code>telnet [host] [port]</code>	Attempts to connect to a specific host and port (e.g., <code>telnet 192.168.1.1 80</code>).
<code>telnet</code>	Launches Telnet interactive prompt (if installed).

Note:

Telnet is not installed by default on modern Windows systems.

To install it:

```
dism /online /Enable-Feature /FeatureName:TelnetClient
```