

Essential CMD commands for IT support

# 25+ CMD Commands Every IT Support Pro Needs in 2025

Stay ahead in tech support: Learn the must-know command-line tools for diagnostics, networking, security, and remote management.

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# System Info & Diagnostics

Diagnose and gather real-time system data:

**systeminfo** - *View OS & hardware specs*

- **hostname** - *Identify current computer's name*
- **ipconfig /all** - Inspect network configuration
- **tasklist** - *See all active processes*
- **taskkill /PID /F** - Force stop frozen processes
- **DISM /Online /Cleanup-Image /ScanHealth** - *Analyze Windows image health*

**Efficiency starts with visibility.**



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# Network Troubleshooting



Isolate and resolve network issues fast:

- `ping <IP>` - Test basic connectivity
- `tracert <IP>` - *Follow the packet's route*
- `nslookup <domain>` - Verify DNS resolution
- `netstat -ano` - *List ports in use*
- `arp -a` - *Display IP↔MAC map*
- `netsh winsock reset` - Reset network stack

Spot, diagnose, and act swiftly.



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# Security & File Management

Secure users, policies, and data:

User & Security:

- .net user - *List user accounts*
- .net localgroup administrators  
    <user> /add - *Grant admin rights*
- .whoami - *Identify session account*
- .gpupdate /force - Refresh group policies

File & Disk Tasks:

- .chkdsk C: /F - Fix disk errors
- .sfc /scannow - Repair critical system files
- .robocopy <src> <dest> /MIR - *Copy directories efficiently*
- .tree - *Display file structure*



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## Remote Access & Fast Actions



Command sessions from anywhere:

- **mstsc** - *Launch Remote Desktop*
- **shutdown /r /t 0** - Restart instantly
- **logoff** - Sign out current session
- **qwinsta** - Query active RDP sessions

These commands speed up remote fixes and active management.



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# Master These 25+ Commands and Boost Your IT Skills

Using these commands daily builds confidence and results. Sharpen your troubleshooting speed and support quality.

Which command is your go-to? Comment below and share your experience!

Save & share with your IT squad



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