

Useful Windows Commands for Technical Support.

1. systeminfo

- Description: Displays detailed system information like OS version, installation date, BIOS version, and more.

- Example:
systeminfo

2. ping

- Description: Verifies network connectivity between the current computer and another device.

- Example:
ping google.com

3. tracert

- Description: Traces the path to a remote system and shows the number of hops and their IP addresses.

- Example:
tracert google.com

4. traceroute

- Description: Similar to tracert, used for network debugging to locate slow servers.

- Example:
traceroute google.com

5. nslookup

- Description: Queries DNS to diagnose domain name resolution issues.

- Example:
nslookup google.com

6. netstat

- Description: Provides information about network connections, ports in use, and statistics.

- Example:
netstat

7. netstat -an

- Description: Displays a list of all open network connections and their status.

- Example:
netstat -an

8. arp

- Description: Displays or modifies the ARP table (IP-to-MAC address mappings).

- Example:
arp -a

9. hostname

- Description: Displays the computer's name.

- Example:
hostname

10. `ipconfig`
 - Description: Displays the computer's IP configuration.
 - Example:
`ipconfig`
11. `ipconfig /all`
 - Description: Displays detailed IP configuration, including MAC addresses and DNS.
 - Example:
`ipconfig /all`
12. `ipconfig /release`
 - Description: Releases the current IP address.
 - Example:
`ipconfig /release`
13. `ipconfig /renew`
 - Description: Renews the IP address.
 - Example:
`ipconfig /renew`
14. `ipconfig /flushdns`
 - Description: Clears the DNS cache to refresh DNS records.
 - Example:
`ipconfig /flushdns`
15. `pathping`
 - Description: Combines `tracert` and `ping` to identify network issues.
 - Example:
`pathping google.com`
16. `getmac`
 - Description: Displays the MAC address of the computer.
 - Example:
`getmac`
17. `tasklist`
 - Description: Displays a list of running applications and services.
 - Example:
`tasklist`
18. `taskkill`
 - Description: Ends a specified running task.
 - Example:
`taskkill /im notepad.exe /f`
19. `shutdown -s`
 - Description: Shuts down the computer.
 - Example:
`shutdown -s`
20. `shutdown -r`
 - Description: Restarts the computer.

- Example:
shutdown -r

21. shutdown -s -t [seconds]

- Description: Sets a timer to shut down the computer.
- Example:
shutdown -s -t 3600

22. shutdown -i

- Description: Shuts down remote computers via a graphical interface.
- Example:
shutdown -i

23. time

- Description: Displays or sets the system time.
- Example:
time

24. ver

- Description: Displays the Windows version.
- Example:
ver

25. chkdsk

- Description: Checks the disk for errors.
- Example:
chkdsk C:

26. finger

- Description: Retrieves information about a user on a network.
- Example:
finger username

27. sfc /scannow

- Description: Scans and repairs corrupted system files.
- Example:
sfc /scannow

28. mkdir

- Description: Creates a new directory.
- Example:
mkdir newfolder

29. convert

- Description: Converts a FAT or FAT32 partition to NTFS.
- Example:
convert D: /fs:ntfs

30. where

- Description: Locates files matching a specified pattern.
- Example:
where notepad.exe