

Command Prompt Cheat Sheet

System Operations

```
C:\>hostname
```

Displays the name of the computer/server.

```
C:\>systeminfo
```

Displays detailed system information.

```
C:\>set
```

Displays all defined environment variables.

```
C:\>tasklist
```

Lists all running processes.

Network Operations

```
C:\>ipconfig
```

Displays network configuration details.

```
C:\>ipconfig /all
```

Displays extra network configuration details.

```
C:\>ping [hostname/IP]
```

Checks network connectivity to a host.

```
C:\>ping -a [hostname/IP]
```

Connectivity check and return hostname/IP.

```
C:\>ping -t [hostname/IP]
```

Continuously checks connectivity to a host.

```
C:\>netstat
```

Shows active network connections.

```
C:\>tracert [hostname/IP]
```

Traces the route packets take to reach host.

File and Directory Operations

```
C:\>dir
```

Lists the contents of the current directory.

```
C:\>cd
```

Displays the current working directory.

```
C:\>cd "C:\path\to\directory"
```

Changes the current directory.

```
C:\>mkdir [folder_name]
```

Creates a new folder.

File Compare

```
C:\>fc "C:\path\to\first\file" "C:\path\to\second\file"
```

Compares the contents of the two specified files.

Filter Output

```
C:\>set | findstr /I "domain"
```

Output results from 'set' command that contain the "domain".

Export to a Text File

```
C:\>ipconfig /all > "C:\path\to\output.txt"
```

Exports network configuration information to a text file.

```
C:\>systeminfo > "C:\path\to\output.txt"
```

Exports system info to a specified text file.

Time Synchronization

```
C:\>sc query w32time
```

Displays the status of the Windows time service.

```
C:\>w32tm /query /status
```

Displays details information about the Windows time service.

```
C:\>w32tm /stripchart /computer:<NTP_Server/DC> /dataonly /samples:3
```

Checks time synchronization with a specified NTP server or Domain Controller by displaying a three round-trip time samples.

Policy and User Account

```
C:\>gpresult /r
```

Displays the Resultant Set of Policy (RSoP) information for the current user and PC.

```
C:\>whoami
```

Shows current user, including domain and user name.

Echo

```
C:\>echo %date% %time%
```

Displays the current system date and time.



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