# Windows commands

## Ipconfig

**Syntax: ipconfig**

**Function:** cmd to show the NIC ip config and basic details.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/ipconfig)

### Ipconfig /all

**Syntax: ipconfig /all**

**Function:** cmd to show the all NIC details.

### Ipconfig /flushdns

**Syntax: ipconfig /all**

**Function:** cmd to clear the DNS cache.

## Ping

**Syntax: ping [ip address]**

**Function:** cmd to check weather the destination computer is reachable or not.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/ping)

## Path ping

**Syntax: pathping [ip address]**

**Function:** cmd to check the packet loss and no of hops between source and destination.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/pathping)

## Tracert

**Syntax: tracert [ip address]**

**Function:** cmd to check the hops and no of router between source and destination.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/tracert)

## Nslookup

**Syntax: nslookup**

**Syntax: nslookup [domain name]**

**Function:** cmd to resolve the dns name to ip.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/nslookup)

## Wifi Qrcode genetrator

**Syntax: new-qrcodewifiaccess -SSID "111" -Password "12345678" -outpath "C:/wifi.png"**

**Function:** cmd to genetrate wifi qrcode in powershell

**Installation cmds:** Install-Module -Name QRCodeGenerator

Import-Module QRCodeGenerator

**More details:** [Refer Generate QR Code with PowerShell in Windows 10](https://winaero.com/generate-qr-code-powershell-windows-10/)