

Chapter 1 Windows commands

1. Ipconfig

Syntax: ipconfig

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

More details: [Refer Microsoft Learn](#)

1.1. Ipconfig /all

Syntax: ipconfig /all

Function: cmd to show the all NIC details.

1.2. Ipconfig /flushdns

Syntax: ipconfig /all

Function: cmd to clear the DNS cache.

2. Ping

Syntax: ping [ip address]

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

More details: [Refer Microsoft Learn](#)

3. 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](#)

4. Tracert

Syntax: tracert [ip address]

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

More details: [Refer Microsoft Learn](#)

5. Nslookup

Syntax: nslookup

Syntax: nslookup [domain name]

Function: cmd to resolve the dns name to ip.

More details: [Refer Microsoft Learn](#)

6. 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](#)