

Maskinvare

Ping Edition

- For å ping din egen PC/switch og ansatte 0 må du åpne terminal i begge skjermen.
- Bruke den kommando: ipconfig for å finne ut din IP-adresse.

```
Windows PowerShell
PS C:\Users\Blaze_Ryu> ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:
  Media State . . . . . : Media disconnected
  Connection-specific DNS Suffix . :

Ethernet adapter vEthernet (Default Switch):
  Connection-specific DNS Suffix . :
  Link-local IPv6 Address . . . . . : fe80::8b2:5e61:5986:ba72%36
  IPv4 Address . . . . . : 172.26.208.1
  Subnet Mask . . . . . : 255.255.240.0
  Default Gateway . . . . . :

Ethernet adapter vEthernet (Switch0):
  Connection-specific DNS Suffix . : Kuben.it
  Link-local IPv6 Address . . . . . : fe80::614f:e2cb:93f7:d198%59
  IPv4 Address . . . . . : 10.2.1.10
  Subnet Mask . . . . . : 255.0.0.0
  Default Gateway . . . . . : fe80::215:5dff:fe0a:c03%59
                                         10.0.0.1

Wireless LAN adapter Local Area Connection* 1:
  Media State . . . . . : Media disconnected
```

Bilder viser Default Switch og Switch0:

Default Switch:

- IPv4 Adress: 172.26.208.1

Switch0 --> Kuben.it

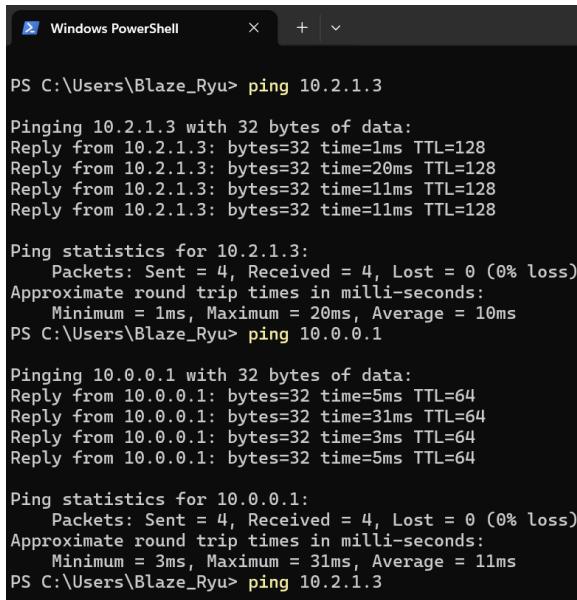
- IPv4 Andress: 10.2.1.10

For å ping fra din egen PC til ansatte 0 bruker du IPv4 adresse nummer.

- Ansatte 0 IPv4 adresse var 10.2.1.3

Skrive: ping 10.2.1.3 i terminalen og klikke 'enter'.

- Hvis ping fungere skal det ser ut:



A screenshot of a Windows PowerShell window titled "Windows PowerShell". The command "ping 10.2.1.3" is run, followed by two more pings to 10.0.0.1. The output shows four replies from 10.2.1.3 with TTL=128 and round-trip times between 1ms and 20ms. The second part shows four replies from 10.0.0.1 with TTL=64 and round-trip times between 3ms and 31ms.

```
PS C:\Users\Blaze_Ryu> ping 10.2.1.3

Pinging 10.2.1.3 with 32 bytes of data:
Reply from 10.2.1.3: bytes=32 time=1ms TTL=128
Reply from 10.2.1.3: bytes=32 time=20ms TTL=128
Reply from 10.2.1.3: bytes=32 time=11ms TTL=128
Reply from 10.2.1.3: bytes=32 time=11ms TTL=128

Ping statistics for 10.2.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 20ms, Average = 10ms
PS C:\Users\Blaze_Ryu> ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: bytes=32 time=5ms TTL=64
Reply from 10.0.0.1: bytes=32 time=31ms TTL=64
Reply from 10.0.0.1: bytes=32 time=3ms TTL=64
Reply from 10.0.0.1: bytes=32 time=5ms TTL=64

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 31ms, Average = 11ms
PS C:\Users\Blaze_Ryu>
```

Pinging 10.2.1.3 with 32 bytes of data:

Reply from 10.2.1.3: bytes=32 time=1ms TTL=128

Reply from 10.2.1.3: bytes=32 time=20ms TTL=128

Reply from 10.2.1.3: bytes=32 time=11ms TTL=128

Reply from 10.2.1.3: bytes=32 time=11ms TTL=128

Ping statistics for 10.2.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 20ms, Average = 10ms

PS C:\Users\Blaze_Ryu>

På den sammen måtte skrevet jeg ping 10.2.1.10 på ansatte 0 i terminal.

Resultatene:

Egen PC og Switch0 kan bli ping med ansatte 0 i begge terminalen.

Jeg prøvde å ping Ujala's PC/switch:

IPv4 address: 10.2.2.4

ping 10.2.2.4

```
PS C:\Users\Blaze_Ryu> ping 10.2.2.4

Pinging 10.2.2.4 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.2.2.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PS C:\Users\Blaze_Ryu>
```

Pinging 10.2.2.4 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 10.2.2.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PS C:\Users\Blaze_Ryu>

Men det fungerte ikke as bare komme 'timed out'.

- Det var en lik effekt når vi studenter var i en gruppe å prøve å ping hver andre PC av våre lærlingspartner med manual og statistisk IP adresse, tror jeg.