

Dokumentasjon nettverk

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Oppgave: Endre default gateway på routeren

- Jeg endra default gateway fra 192.168.0.1 til 192.168.0.2
- Alt funka som normalt ved byte av ip adressen.

MAC Address: B0:4E:26:01:9D:26

IP Address: 192.168.0.2

Subnet Mask: 255.255.255.0

Save

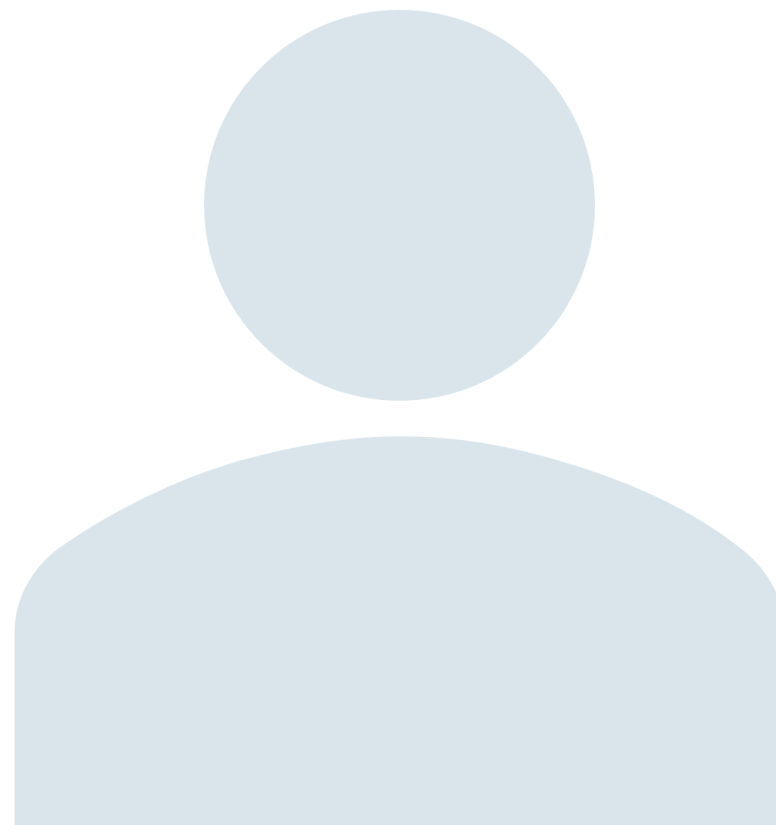
Wireless LAN adapter Wi-Fi:

```
Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . . : fe80::c616:ae8f:ab18:7f3e%18  
IPv4 Address. . . . . : 192.168.0.100  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.0.2
```



Endring av router login info

Jeg endret passordet og
brukernavnet til router login fra
admin / admin til Jan / Abc12345



Oppgave: Endre DHCP range

- Jeg endra DHCP range fra 100-199 til 100-101 noe som burde bare tillate to personer til å koble seg til nettverket.
- Når jeg prøvde å koble mobilen til nettverket som tredje enhet ville den ikke koble seg til.

DHCP Server:	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Start IP Address:	<input type="text" value="192.168.0.100"/>
End IP Address:	<input type="text" value="192.168.0.101"/>
Lease Time:	<input type="text" value="120"/> minutes (1~2880 minutes, the default value is 120)
Default Gateway:	<input type="text" value="192.168.0.1"/> (optional)
Default Domain:	<input type="text"/> (optional)
DNS Server:	<input type="text" value="0.0.0.0"/> (optional)
Secondary DNS Server:	<input type="text" value="0.0.0.0"/> (optional)

Save

Laptop og mobiltelefon kobla til nettverket

ARP List

<input type="checkbox"/>	MAC Address	IP Address	Status
<input type="checkbox"/>	D4:D8:53:B5:BF:8F	192.168.0.100	Unloaded
<input type="checkbox"/>	16:31:C9:02:BA:D8	192.168.0.101	Unloaded

Load Selected

Delete Selected

Refresh

Ping av annen enhet

- Jeg prøvde å pinge læringspartneren som var på samme nettverk men jeg fikk request timed out.
- Etter jeg endra på noen firewall rules klarte jeg å fikse problemet.

```
Pinging 192.168.0.101 with 32 bytes of data:  
Reply from 192.168.0.101: bytes=32 time=3ms TTL=128  
Reply from 192.168.0.101: bytes=32 time=111ms TTL=128  
Reply from 192.168.0.101: bytes=32 time=122ms TTL=128  
Reply from 192.168.0.101: bytes=32 time=131ms TTL=128  
  
Ping statistics for 192.168.0.101:  
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
    Approximate round trip times in milli-seconds:  
        Minimum = 3ms, Maximum = 131ms, Average = 91ms
```

```
Pinging 192.168.0.101 with 32 bytes of data:  
Request timed out.  
Request timed out.  
Request timed out.  
Request timed out.  
  
Ping statistics for 192.168.0.101:  
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Oppgave: Lagre konfigurasjonsfil

- Jeg laste opp en backup fil så gjorde jeg reset på routeren, videre lasta jeg opp filen etter reset og alle mine settings ble lagret.
- Når jeg prøvde å bruke denne filen på en asus router ble den ikke akseptert av routeren.

Recent download history

 **conf.bin**
5.5 KB • 2 minutes ago

Full download history

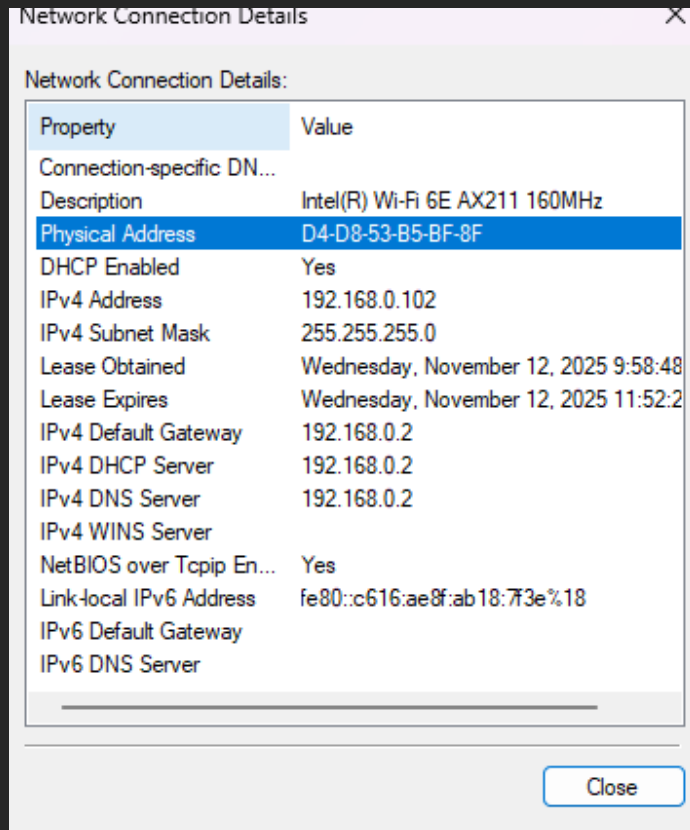
Backup & Restore

Backup

You can restore a previously saved configuration bin file.

Configuration File: No file chosen

Oppgave: Reservering av ip adresser



Jeg reserverte den første ip adressen som var i dhcp rangen 100-101 til min laptop.

Wireless LAN adapter Wi-Fi:

```
Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . . : fe80::c616:ae8f:ab18:7f3e%18  
IPv4 Address. . . . . : 192.168.0.100  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.0.2
```

DHCP Address Reservation

The static IP address of the DHCP Server can be configured on this page.

Group: Default
MAC Address: D4:D8:53:B5:BF:8F
IP Address: 192.168.0.100
Status: Enabled

Save

Back

Oppgave: Nettverk for gjester

Guest Network

Allow Guests To Access My Local Network:

Guest Network Isolation:

Guest Network Bandwidth Control:

Band Select:

Guest Network: ☒ Enable ☐ Disable

Network Name:

Max Guests number:

Security:

Access Time:

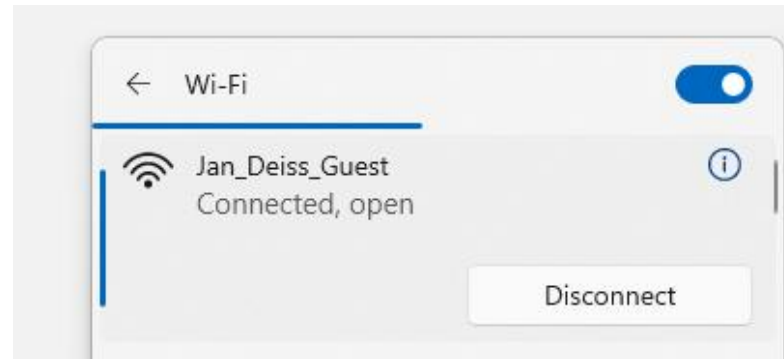
Click the schedule table or use the "Add" button to choose the period on which you need the guest network off automatically!
The Schedule is based on the time of the Router. The time can be set in "System Tools -> Time Settings".

Wireless Schedule: ☐ Enable ☒ Disable

Apply To:

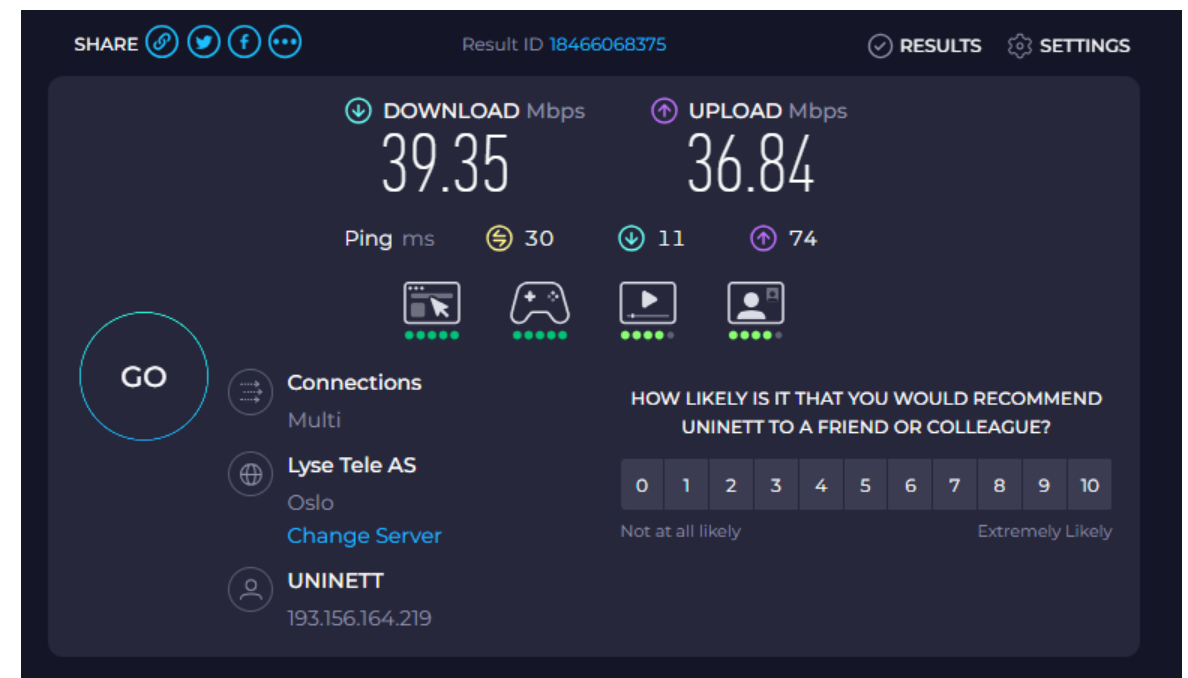
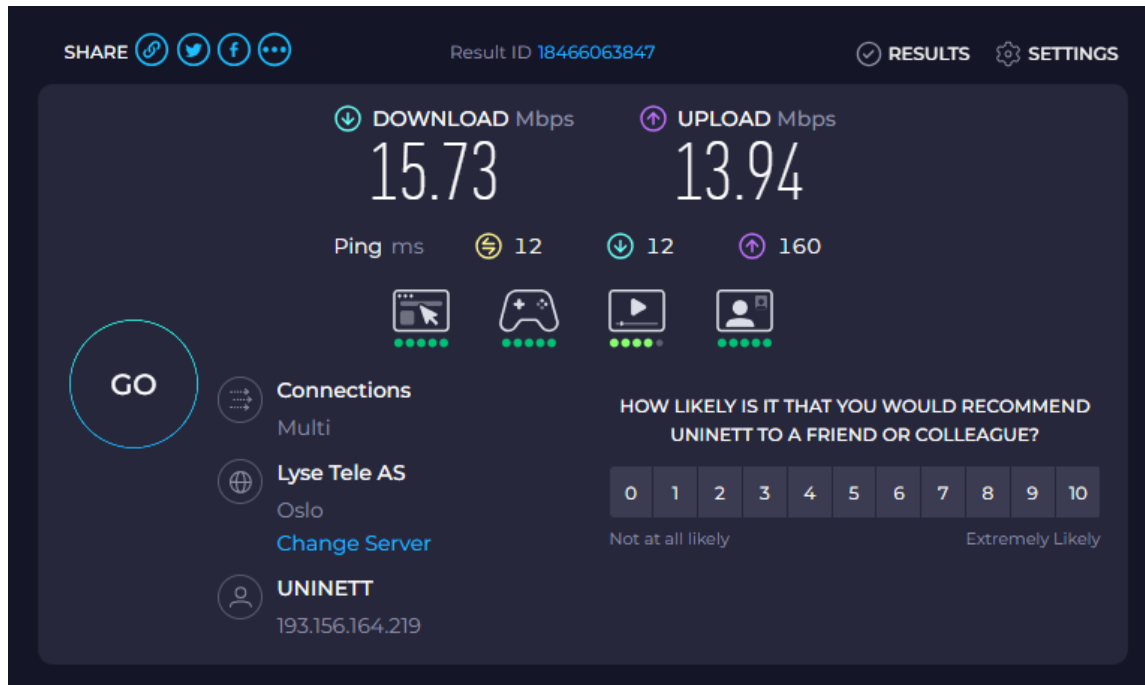
Start Time: End Time:

Time	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00
Sun.															
Mon.															
Tues.															
Wed.															
Thur.															
Fri.															
Sat.															



```
Wireless LAN adapter Wi-Fi:

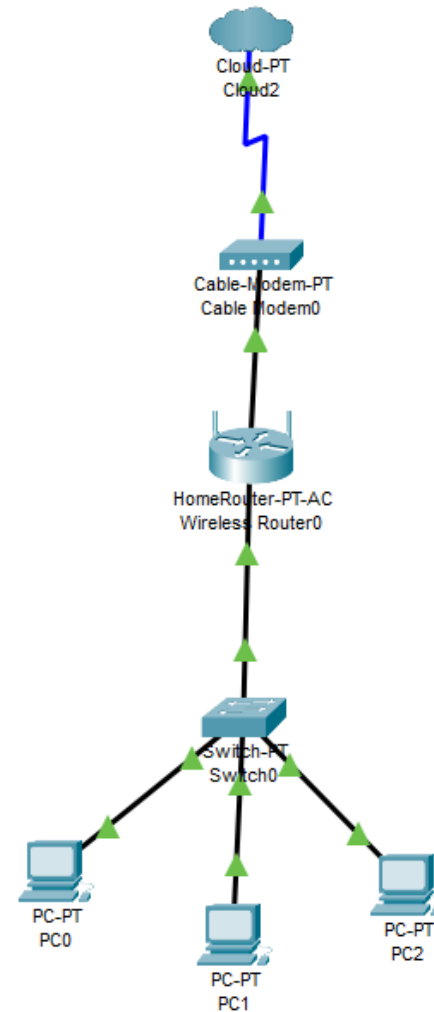
Connection-specific DNS Suffix  . : 
Link-local IPv6 Address . . . . . : fe80::c616:ae8f:ab18:7f3e%18
IPv4 Address. . . . . : 192.168.0.102
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.0.2
```

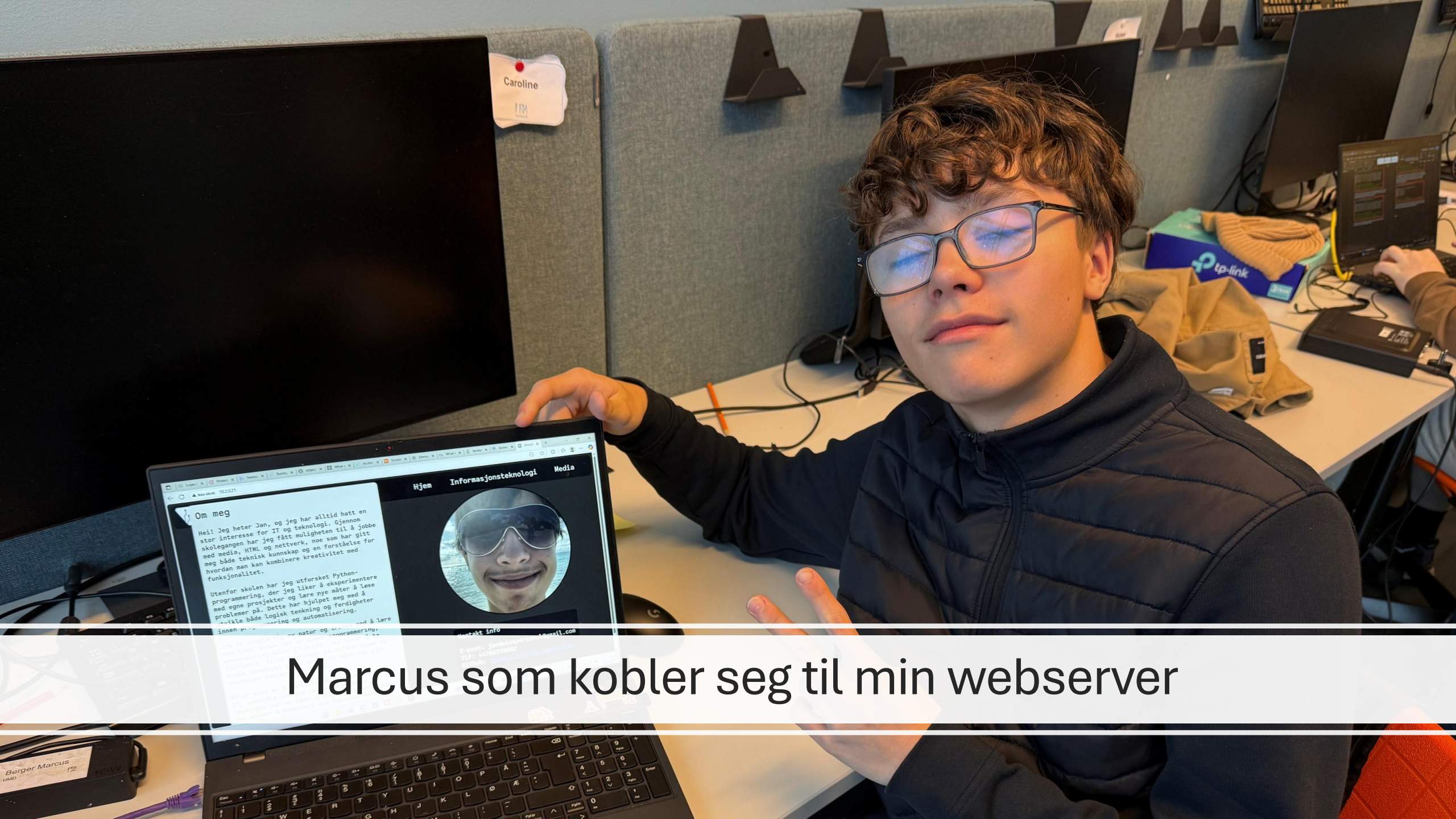


Endringer på 5G

- Jeg bytta channel width fra auto til 80 MHz og channel fra auto til 36 som er en av de som blir brukt minst. Dette førte til raskere speeds i average.

Nettverksdiagram jeg lagde i cisco packet tracer





Marcus som kobler seg til min webserver