

Dokumentasjon nettverk

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Oppgave: Endre default gateway på routeren

MAC Address: B0:4E:26:01:9D:26
IP Address: 192.168.0.2
Subnet Mask: 255.255.255.0

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

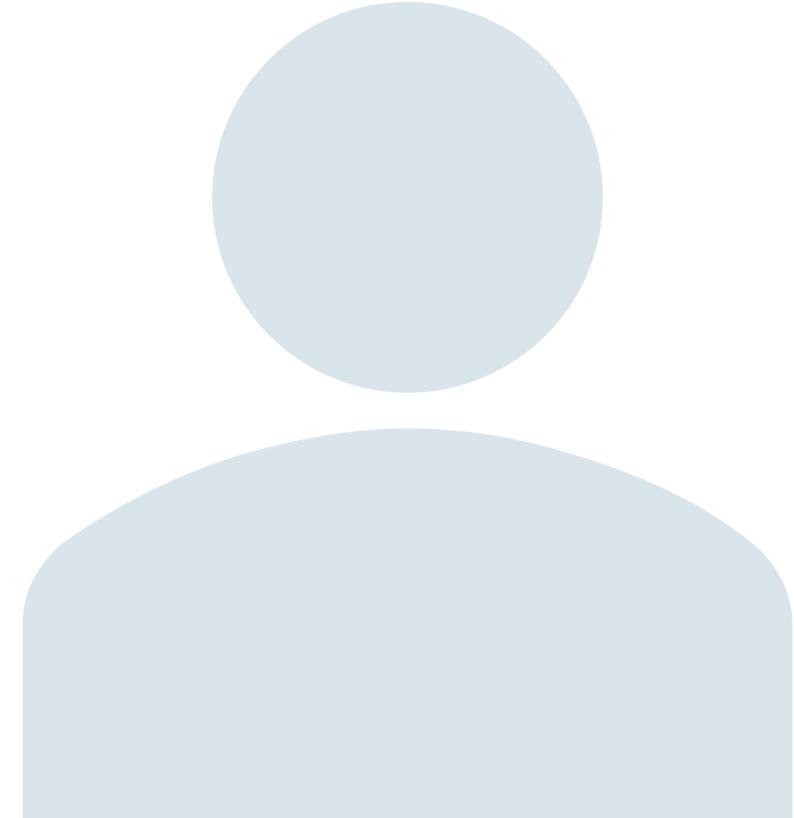
Save

```
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: Disable Enable

Start IP Address:

End IP Address:

Lease Time: minutes (1~2880 minutes, the default value is 120)

Default Gateway: (optional)

Default Domain:

DNS Server: (optional)

Secondary DNS Server: (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.

The screenshot shows a user interface for managing configuration files. At the top right, there is a "Recent download history" section with a single entry: "conf.bin" (5.5 KB, 2 minutes ago). A blue "X" icon is next to the title. Below it is a "Full download history" section with a blue square icon. At the bottom left is a "Backup & Restore" section with a "Backup" button, a note about restoring from a saved file, and a "Choose File" input field with "No file chosen". A "Restore" button is at the bottom right.

Recent download history

conf.bin
5.5 KB • 2 minutes ago

Full download history

Backup & Restore

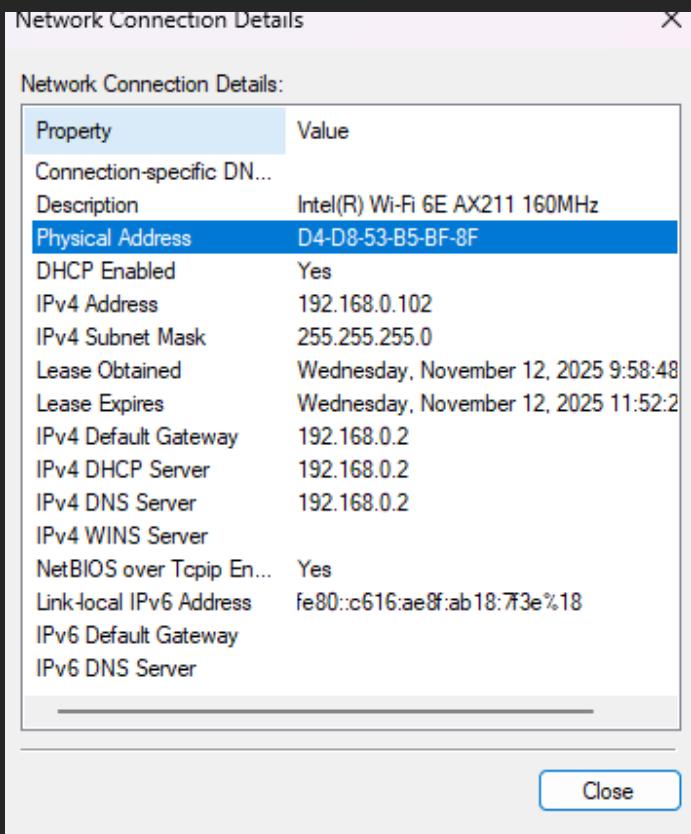
Backup

You can restore a previously saved configuration bin file.

Configuration File: Choose File No file chosen

Restore

Oppgave: Reservering av ip adresser



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

The screenshot shows a "DHCP Address Reservation" configuration page. It displays connection-specific details for a Wireless LAN adapter. Below this, it shows a table for a new reservation with fields for MAC Address, IP Address, and Status. At the bottom are "Save" and "Back" buttons.

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

Guest Network

Allow Guests To Access My Local Network:

Guest Network Isolation:

Guest Network Bandwidth Control:

Band Select:

Guest Network: Enable Disable

Network Name: Jan_Deiss_Guest

Max Guests number: 32

Security:

Click the schedule table or use the 'Add' button to choose the period on which you need the guest network off automatically!

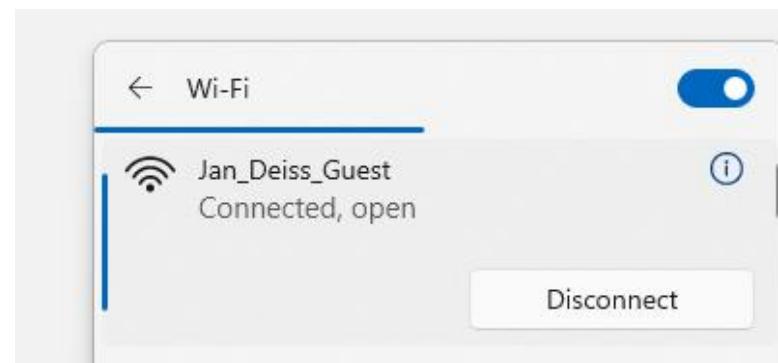
The Schedule is based on the time of the Router. The time can be set in "System Tools -> Time Settings".

Wireless Schedule: Enable Disable

Start Time: 00:00 End Time: 24:00

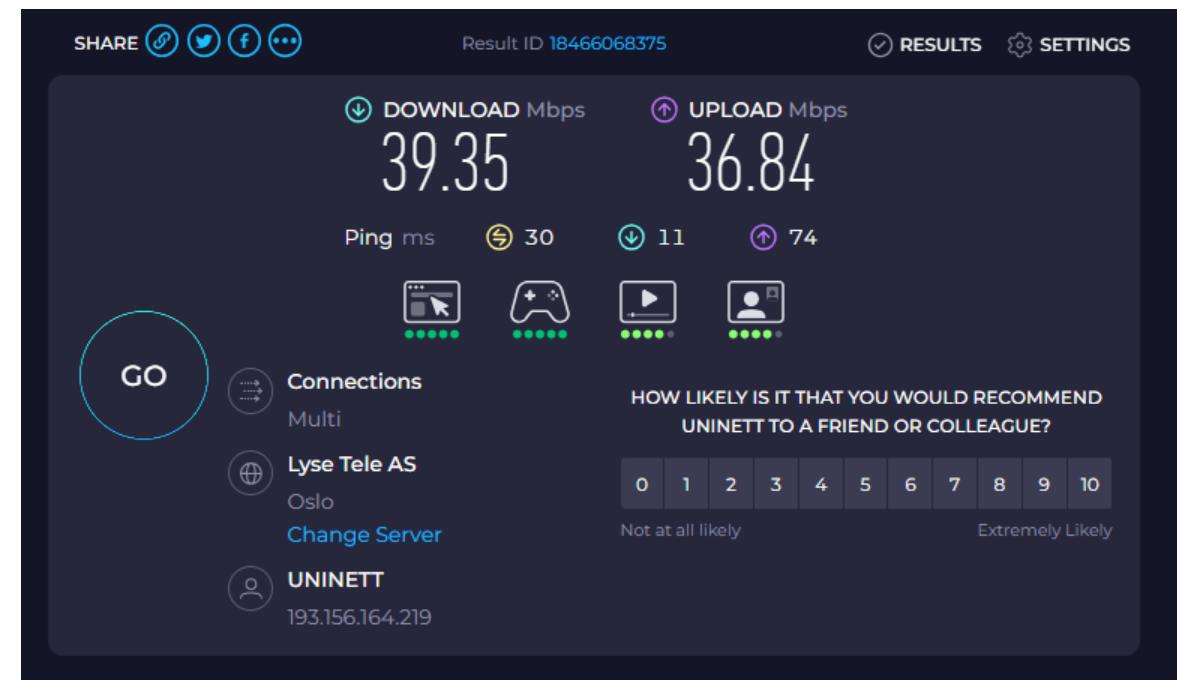
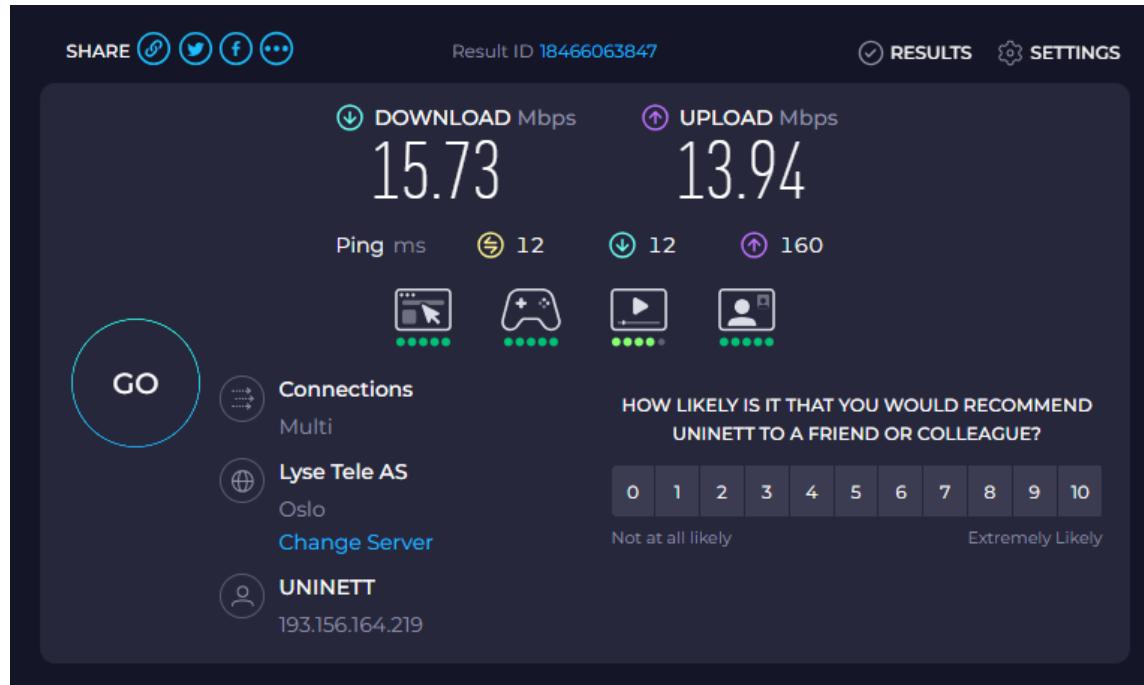
Apply To:

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:

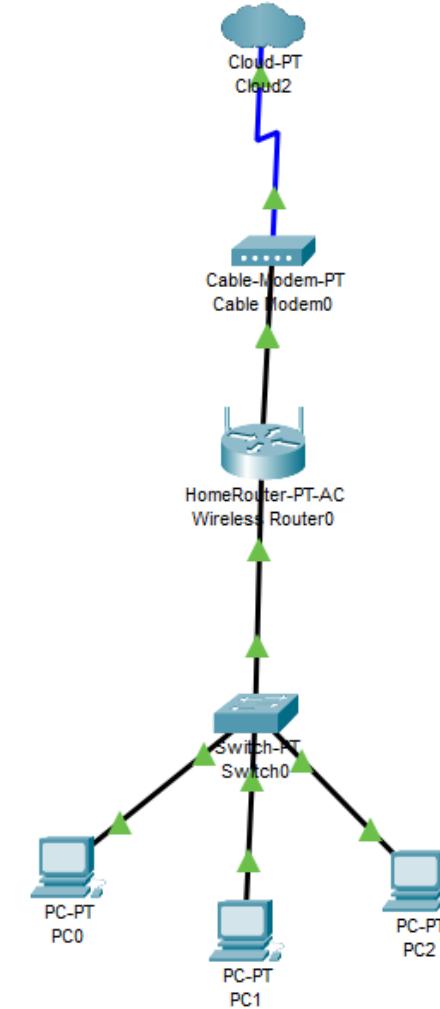
```
Connection-specific DNS Suffix . . . . . : fe80::c616:ae8f:ab18:7f3e%18
Link-local IPv6 Address . . . . . : 192.168.0.102
IPv4 Address . . . . . : 192.168.0.2
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.0.2
```

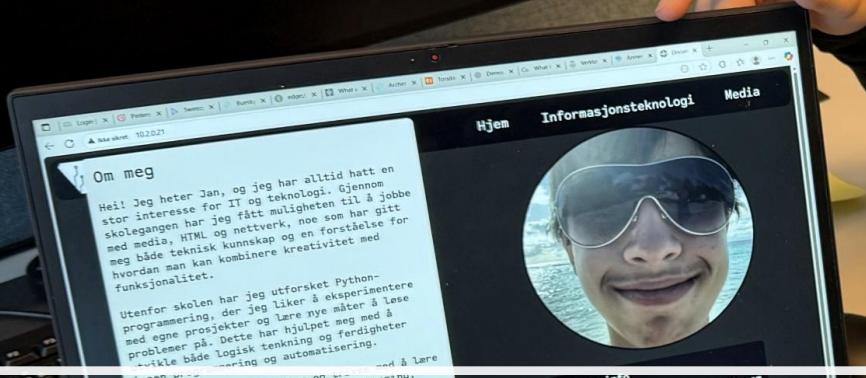


Endringer på 5G

- 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