

Nettverk, Apache og webhosting

Internett instillinger

- Først bruker jeg kubens nettverket og åpner opp instillinger, dermed endrer jeg ip adressen, nettmask, gateway og dns.

Internett instillinger

Cancel

Kuben.it

Apply

Details

Identity

IPv4

IPv6

Security

IPv4 Method

☐ Automatic (DHCP)

☐ Link-Local Only

☒ Manual

☐ Disable

☐ Shared to other computers

Addresses

Address	Netmask	Gateway	
10.200.14.14	255.0.0.0	10.0.0.1	

DNS

Automatic ☒

10.0.0.10

Separate IP addresses with commas

Routes

Automatic ☒

Address	Netmask	Gateway	Metric	

☐ Use this connection only for resources on its network

Wi-Fi

Connected

Wi-Fi ☒

Saved Networks >

Connect to Hidden Network... >

Turn On Wi-Fi Hotspot... >

Airplane Mode

Disables Wi-Fi, Bluetooth and mobile broadband

☐

Visible Networks

Kuben.it Connected

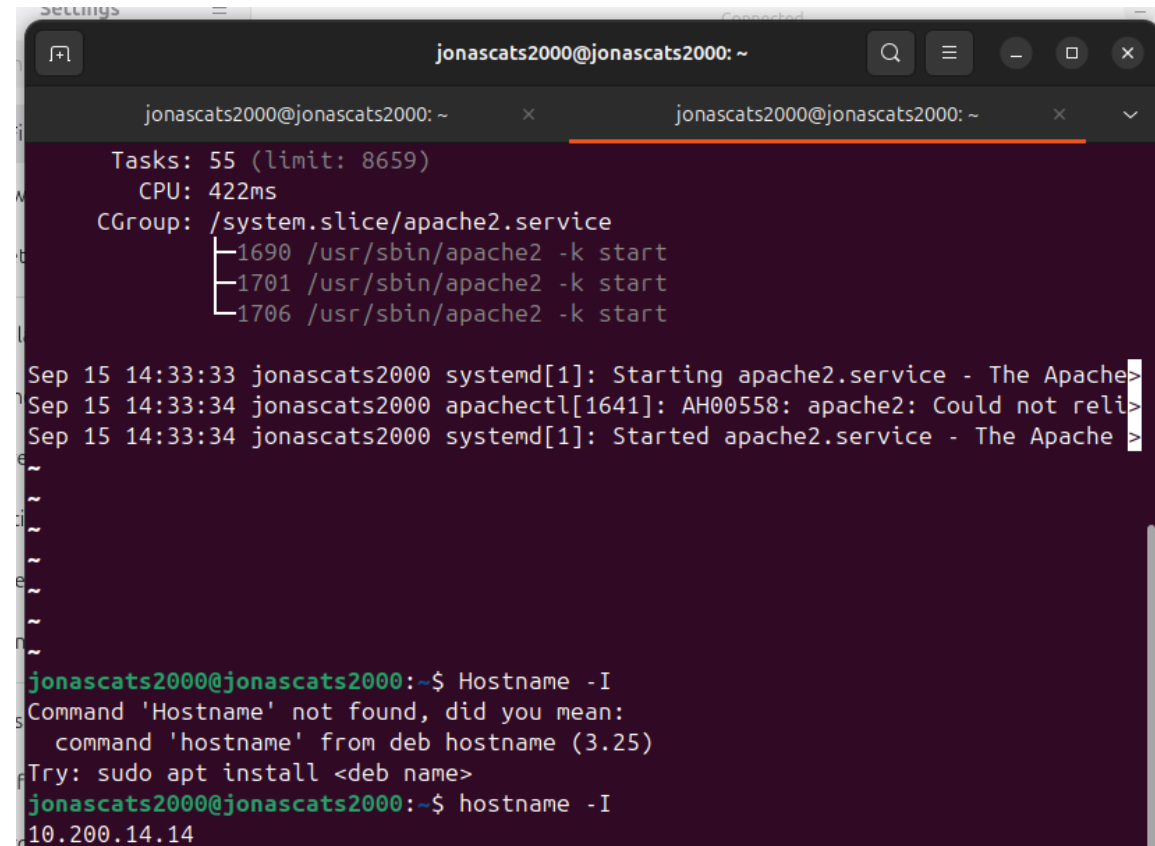
2IMI

Osloskolen-Gjest

Osloskolen

Sjekker om det virker

- Jeg sjekker at ip adresseen har endret seg ved bruk av ip a eller hostname. Her brukte jeg hostname og så at min ip hadde blitt endret seg riktig.



```
jonascats2000@jonascats2000: ~  
Tasks: 55 (limit: 8659)  
CPU: 422ms  
CGroup: /system.slice/apache2.service  
├─1690 /usr/sbin/apache2 -k start  
├─1701 /usr/sbin/apache2 -k start  
└─1706 /usr/sbin/apache2 -k start  
Sep 15 14:33:33 jonascats2000 systemd[1]: Starting apache2.service - The Apache>  
Sep 15 14:33:34 jonascats2000 apachectl[1641]: AH00558: apache2: Could not reli>  
Sep 15 14:33:34 jonascats2000 systemd[1]: Started apache2.service - The Apache >  
~  
~  
~  
~  
~  
~  
~  
jonascats2000@jonascats2000:~$ Hostname -I  
Command 'Hostname' not found, did you mean:  
  command 'hostname' from deb hostname (3.25)  
Try: sudo apt install <deb name>  
jonascats2000@jonascats2000:~$ hostname -I  
10.200.14.14
```

Pinging

Her pinger jeg Pi med
laptopen min og laptopen
med pi.

```
Connection-specific DNS Suffix . : Ruben.it
Link-Local IPv6 Address . . . . . : fe80::5f4:9082:4829:13c1%4
IPv4 Address. . . . . : 10.2.1.240
Subnet Mask . . . . . : 255.0.0.0
Default Gateway . . . . . : 10.0.0.1

Ethernet adapter Bluetooth Network Connection:

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

Ethernet adapter Ethernet:

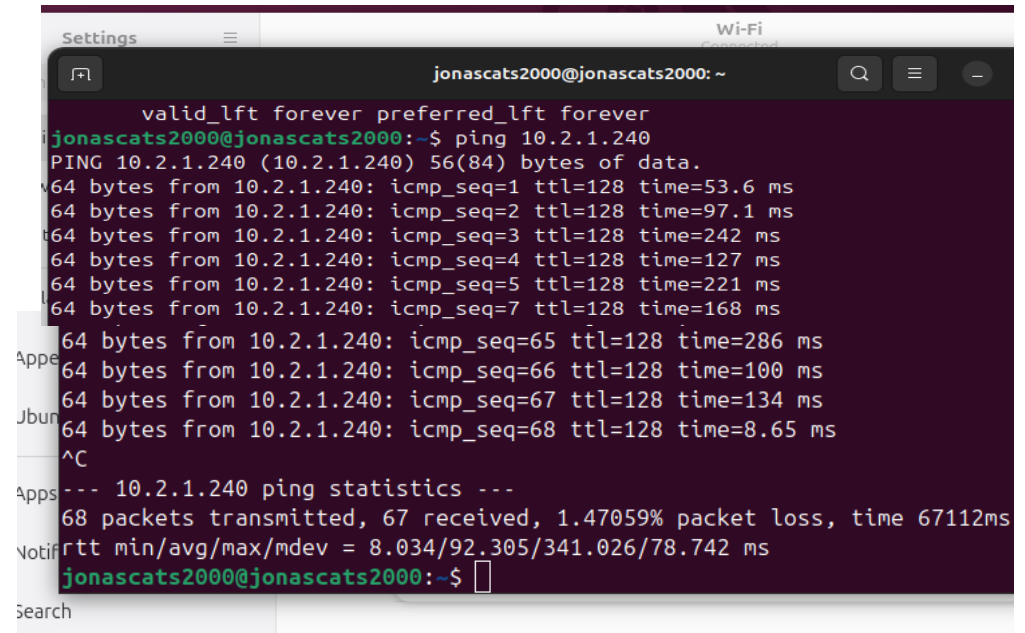
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

C:\Users\Jonas Baekkelund>ping 10.200.14.14

Pinging 10.200.14.14 with 32 bytes of data:
Reply from 10.200.14.14: bytes=32 time=1107ms TTL=64
Reply from 10.200.14.14: bytes=32 time=10ms TTL=64
Reply from 10.200.14.14: bytes=32 time=16ms TTL=64
Reply from 10.200.14.14: bytes=32 time=39ms TTL=64

Ping statistics for 10.200.14.14:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 10ms, Maximum = 1107ms, Average = 293ms

C:\Users\Jonas Baekkelund>
```

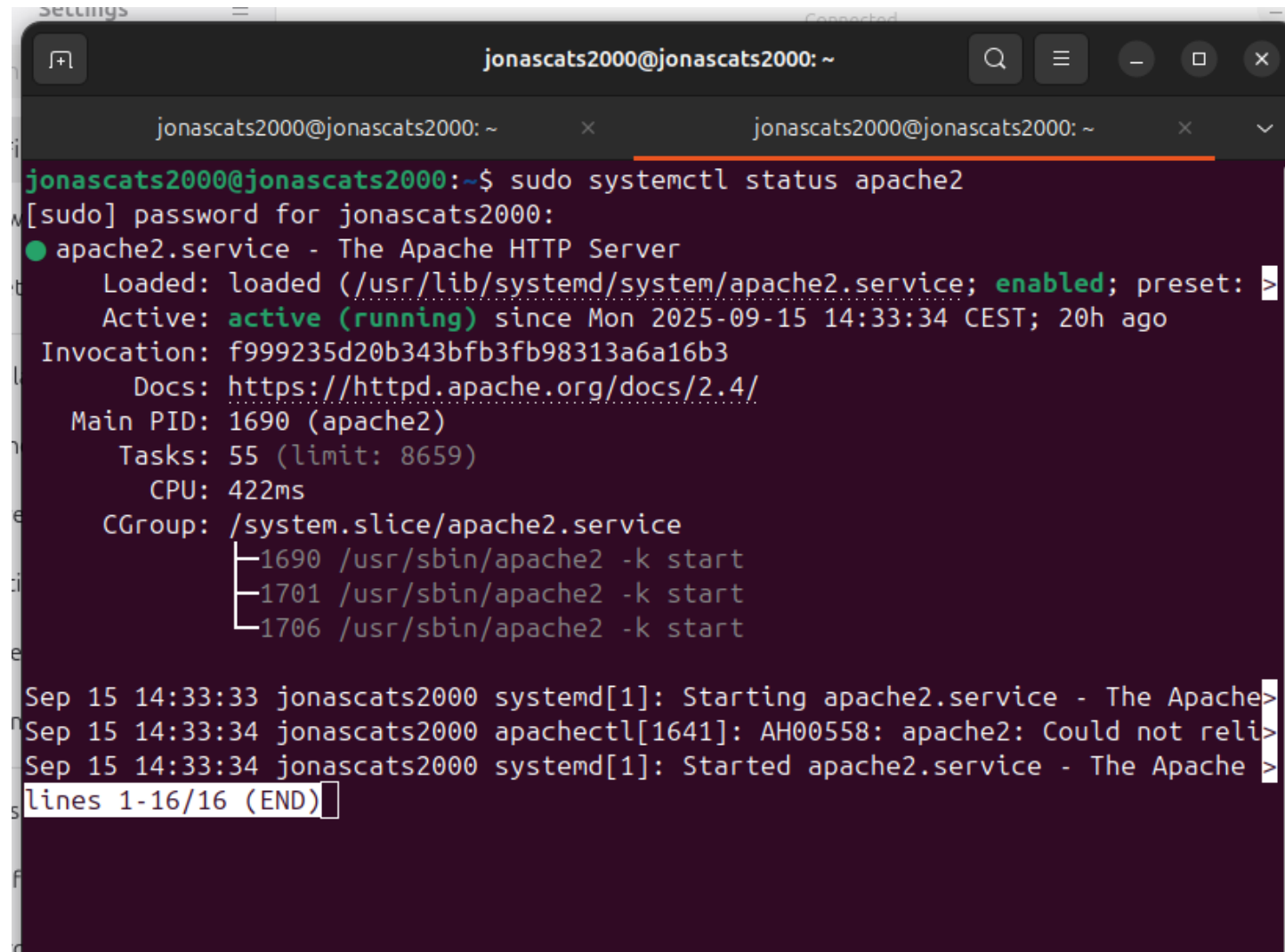


The screenshot shows a macOS terminal window with a dark purple background. The title bar at the top reads "Settings" and "Wi-Fi". The terminal prompt is "jonascats2000@jonascats2000: ~". The user has entered the command "ping 10.2.1.240". The output shows 8 successful ping replies with varying times. The user then presses Ctrl+C to stop the command. The terminal displays the ping statistics for 10.2.1.240, showing 68 packets transmitted, 67 received, and a 1.47059% packet loss. The round trip times are listed as 8.034/92.305/341.026/78.742 ms. The terminal prompt is now "jonascats2000@jonascats2000: ~\$".

```
valid_lft forever preferred_lft forever
jonascats2000@jonascats2000:~$ ping 10.2.1.240
PING 10.2.1.240 (10.2.1.240) 56(84) bytes of data:
64 bytes from 10.2.1.240: icmp_seq=1 ttl=128 time=53.6 ms
64 bytes from 10.2.1.240: icmp_seq=2 ttl=128 time=97.1 ms
64 bytes from 10.2.1.240: icmp_seq=3 ttl=128 time=242 ms
64 bytes from 10.2.1.240: icmp_seq=4 ttl=128 time=127 ms
64 bytes from 10.2.1.240: icmp_seq=5 ttl=128 time=221 ms
64 bytes from 10.2.1.240: icmp_seq=7 ttl=128 time=168 ms
64 bytes from 10.2.1.240: icmp_seq=65 ttl=128 time=286 ms
64 bytes from 10.2.1.240: icmp_seq=66 ttl=128 time=100 ms
64 bytes from 10.2.1.240: icmp_seq=67 ttl=128 time=134 ms
64 bytes from 10.2.1.240: icmp_seq=68 ttl=128 time=8.65 ms
^C
--- 10.2.1.240 ping statistics ---
68 packets transmitted, 67 received, 1.47059% packet loss, time 67112ms
rtt min/avg/max/mdev = 8.034/92.305/341.026/78.742 ms
jonascats2000@jonascats2000:~$
```

Apache

- Jeg hadde fra før av installert apache(sudo apt install apache2)
- Så derfor sjekket jeg heller dens status og så at den virket.

A terminal window titled 'jonascats2000@jonascats2000: ~' showing the command 'sudo systemctl status apache2' and its output. The output indicates that the 'apache2.service' is loaded and active (running) since Mon 2025-09-15 14:33:34 CEST. It also shows the main PID as 1690 and lists three tasks (1690, 1701, 1706) running '/usr/sbin/apache2 -k start'. At the bottom, there are log messages from systemd and apache2, and a status bar indicating 'lines 1-16/16 (END)'.

```
jonascats2000@jonascats2000:~$ sudo systemctl status apache2
[sudo] password for jonascats2000:
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: >
   Active: active (running) since Mon 2025-09-15 14:33:34 CEST; 20h ago
  Invocation: f999235d20b343bfb3fb98313a6a16b3
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 1690 (apache2)
       Tasks: 55 (limit: 8659)
          CPU: 422ms
        CGroup: /system.slice/apache2.service
                └─1690 /usr/sbin/apache2 -k start
                  └─1701 /usr/sbin/apache2 -k start
                    └─1706 /usr/sbin/apache2 -k start

Sep 15 14:33:33 jonascats2000 systemd[1]: Starting apache2.service - The Apache>
Sep 15 14:33:34 jonascats2000 apache2[1641]: AH00558: apache2: Could not reli>
Sep 15 14:33:34 jonascats2000 systemd[1]: Started apache2.service - The Apache >
lines 1-16/16 (END)
```

Server sjekk

Jeg skrev in ip adressen på google og det opnet apache2 demo serveren som beviser at den er online og virkende.

