

Logg uke 38:

```
C:\Users\Even>cd vg2oppgave

C:\Users\Even\vg2oppgave>git add main.py

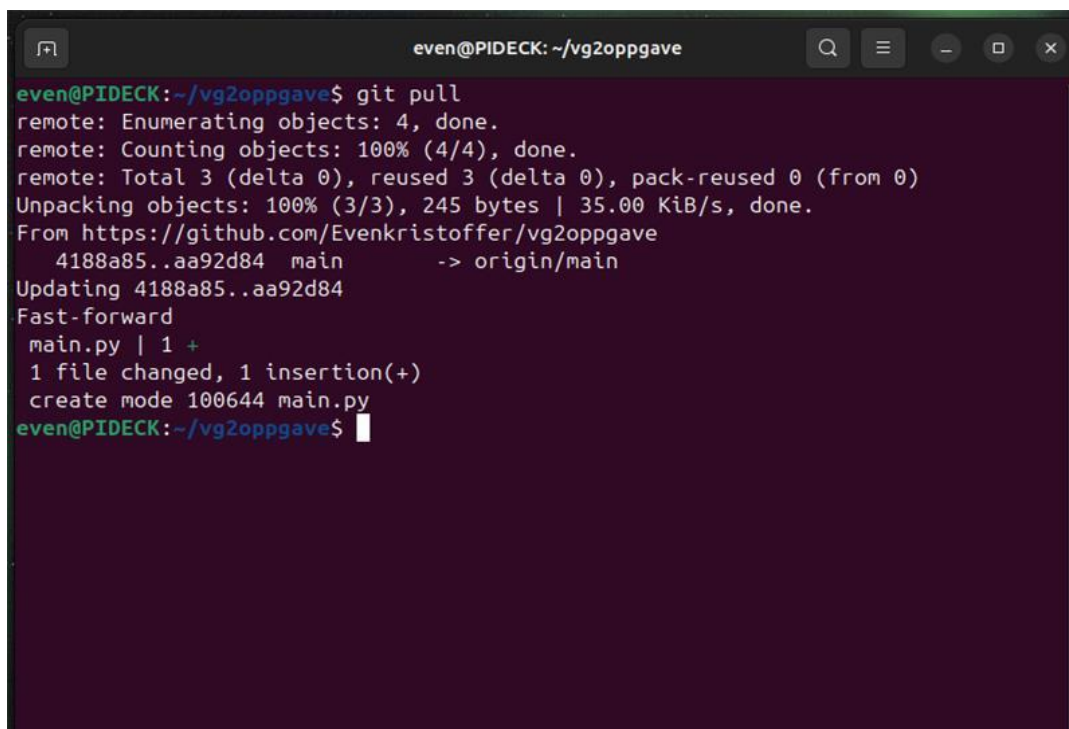
C:\Users\Even\vg2oppgave>git commit -m "h"
[main (root-commit) 0346d75] h
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 main.py

C:\Users\Even\vg2oppgave>git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 199 bytes | 199.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Evenkristoffer/vg2oppgave
 * [new branch]      main -> main

C:\Users\Even\vg2oppgave>
```

GitHub add, commit og push.

Så git pull på Raspberry Pi for å få main.py filen over.

A terminal window titled 'even@PIDECK: ~/vg2oppgave' showing the execution of 'git pull'. The output indicates that 4 objects were enumerated, 4/4 counted, and 3 objects were pulled from the remote repository. The pull was a fast-forward update from the origin/main branch to the local main branch, resulting in 1 file changed (1 insertion) and the creation of the main.py file with mode 100644.

```
even@PIDECK:~/vg2oppgave$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 245 bytes | 35.00 KiB/s, done.
From https://github.com/Evenkristoffer/vg2oppgave
 4188a85..aa92d84  main      -> origin/main
Updating 4188a85..aa92d84
Fast-forward
 main.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 main.py
even@PIDECK:~/vg2oppgave$
```

Sett manuell IP på RPI.

The image shows a network configuration window titled "Kuben.it" with tabs for "Details", "Identity", "IPv4", "IPv6", and "Security". The "IPv4" tab is selected. Under "IPv4 Method", the "Manual" option is selected with a radio button. Below this, the "Addresses" section contains a table with columns "Address", "Netmask", and "Gateway". The first row is filled with "192.168.11.27", "255.0.0.0", and "10.0.0.1". The "DNS" section has a text input field containing "8.8.8.8" and a toggle switch labeled "Automatic" which is turned off. The "Routes" section has a table with columns "Address", "Netmask", "Gateway", and "Metric", and a toggle switch labeled "Automatic" which is turned on. At the bottom, there is a checkbox labeled "Use this connection only for resources on its network" which is unchecked.

Address	Netmask	Gateway
192.168.11.27	255.0.0.0	10.0.0.1

Address	Netmask	Gateway	Metric

Bilde av manuell IP som er satt riktig på 2IMB Nettverk.

```
even@PIDECK:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: eth0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500
    link/ether d8:3a:dd:f1:ac:ad brd ff:ff:ff:ff:ff:ff
3: wlan0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500
    link/ether d8:3a:dd:f1:ac:ae brd ff:ff:ff:ff:ff:ff
    altname wlx83addf1acae
    inet 192.168.11.27/8 brd 192.255.255.255 scope global
        valid_lft forever preferred_lft forever
    inet6 fe80::25a6:5b34:e5eb:bc12/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
even@PIDECK:~$
```

Siden manuell IP ikke funket på kuben.it, satt jeg bare automatisk og pinget pi-en.

```
Command Prompt
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Even>ping 10.2.3.110

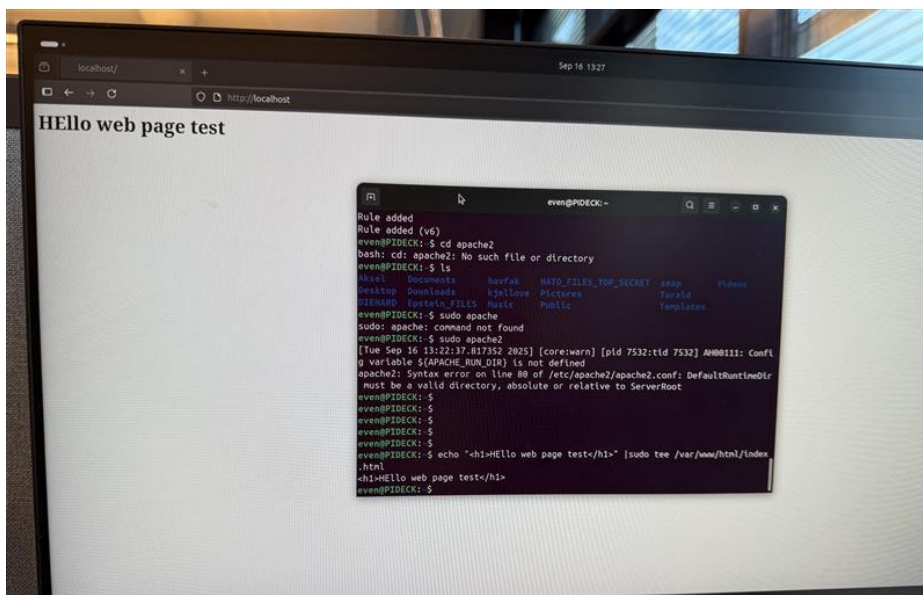
Pinging 10.2.3.110 with 32 bytes of data:
Reply from 10.2.3.110: bytes=32 time=217ms TTL=64
Reply from 10.2.3.110: bytes=32 time=73ms TTL=64
Reply from 10.2.3.110: bytes=32 time=7ms TTL=64
Reply from 10.2.3.110: bytes=32 time=7ms TTL=64

Ping statistics for 10.2.3.110:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 217ms, Average = 76ms

C:\Users\Even>
```

Her er web-server med apache. Jeg skrev bare teksten inn i terminalen fordi jeg ikke gadd å lage en .html fil og linke den. Jeg valgte å bruke Apache fordi det er veldig lett å bruke og fordi jeg ville bruke noe annet enn Python webserver. Man installerer apache med.

- 1: sudo apt install apache2 #installerer apache
- 2: Sudo systemctl status apache2 #viser status, om den er installert eller ikke
- 3: Sudo ufw allow 'apache' #allower I firewall
- 4: sudo systemctl start apache2 #starter apache
- 5: åpne apache filen i notepad eller bruk samme kommando som jeg har brukt under.
- 5: åpne localhost I browser



Jeg prøvde å installere jellyfin men fant ut av at vi var på en release av ubuntu som jellyfin ikke har laget programvare for enda. Ubuntu 25.04 (Plucky). Jellyfin har bare support for 20.04-23.04. Jeg kunne brukt docker eller andre virtualiseringsprogrammer for å kjøre jellyfin, men fikk ikke tid til dette.