## Tasklist Application – Configuration

## 1. Application network configuration

- a. Setting up Static IP for Raspberry Pi in new router connection
- Open up Terminal

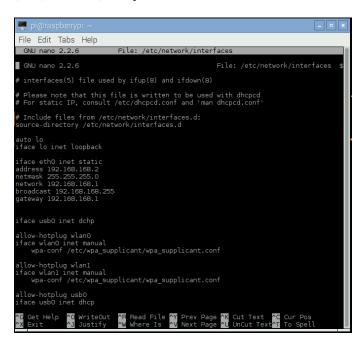


- Type *ifconfig* (it reveals all router information)



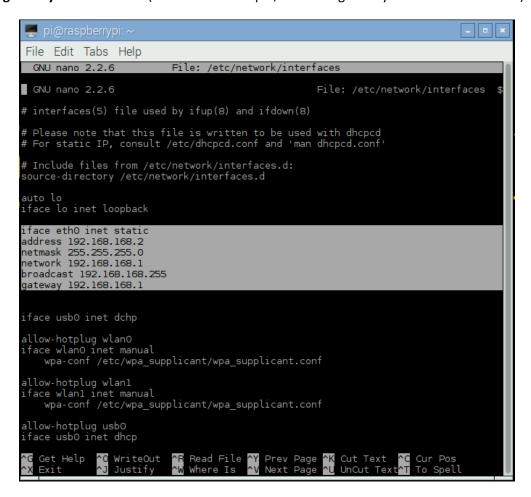
- From eth0 note down:
  - Inet addr (current IP Address)
  - Bcast (broadcast IP Range)
  - Mask (Subnet Mask Address)

- Type netstat -nr (it reveals the gateway and destination)
- Note down:
  - Gateway
  - Destination
- Type sudo nano /etc/network/interfaces



- If there is a line **iface eth0 inet static**, leave it that way, else (it might be **iface eth0 inet dhcp** / **iface eth0 inet manual**) change **dhcp** / **manual** to **static**
- Type down right below the previous line next lines:

address 192.168.1.12 (<- this is an example, write the inet address noted before)</p>
netmask 255.255.255.0 (<- this is an example, write the mask noted before)</p>
network 192.168.168.1 (<- this is an example, write the destination address noted before)</p>
broadcast 192.168.0.255 (<- this is an example, write the broadcast IP range noted before)</p>
gateway 192.168.1.254 (<- this is an example, write the gateway address noted before)</p>



- Press **CTRL + O** (save changes)
- Press CTRL + X (exit)
- Type down sudo rm /var/lib/dhcp/\* (to remove any existing leases)
- Type down *sudo reboot*

To test the connection type down ping <gate address noted before> -c 10

```
🜉 pi@raspberrypi: ~
 File Edit Tabs Help
pi@raspberrypi:~ $ ping 192.168.168.1 -c10
PING 192.168.168.1 (192.168.168.1) 56(84) bytes of data.
64 bytes from 192.168.168.1: icmp_seq=1 ttl=64 time=0.568 ms
64 bytes from 192.168.168.1: icmp_seq=2 ttl=64 time=0.491 ms
64 bytes from 192.168.168.1: icmp_seq=3 ttl=64 time=0.514 ms
64 bytes from 192.168.168.1: icmp_seq=4 ttl=64 time=0.514 ms
64 bytes from 192.168.168.1: icmp_seq=5 ttl=64 time=0.494 ms
64 bytes from 192.168.168.1: icmp_seq=6 ttl=64 time=0.485 ms
64 bytes from 192.168.168.1: icmp_seq=7 ttl=64 time=0.505 ms
64 bytes from 192.168.168.1: icmp_seq=8 ttl=64 time=0.508 ms
64 bytes from 192.168.168.1: icmp_seq=9 ttl=64 time=0.496 ms
64 bytes from 192.168.168.1: icmp_seq=10 ttl=64 time=0.500 ms
--- 192.168.168.1 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 8999ms
rtt min/avg/max/mdev = 0.485/0.508/0.568/0.030 ms
pi@raspberrypi:~ 💲 📗
```

- b. Setting up the C# application for the new Raspberry Pi
- Open the TaskList App project in Visual Studio
- In Form2.cs go to the fileTrans() method

- If the inet addr noted before is different from the HostName in the method, modify it

- In the **session** instance change the location of the source file when calling the **PutFiles()** method, first parameter, and the destination of the file in Raspberry Pi's system, second parameter (IF NEEDED)
- Save the project
- In the Raspberry Upload app change the **HostName** parameter to the **inet addr** noted before parameter (IF NEEDED)

## 2. Python browser launching script

- Go to File Manager on the Raspberry Pi
- Go to /home/pi/app
- Open the **TaskListWeb.py** file with Python 2 (IDLE)
- If needed change the current string in url variable with the location of the file you want to be opened at startup (WORKS WITH HTML FILES ONLY)