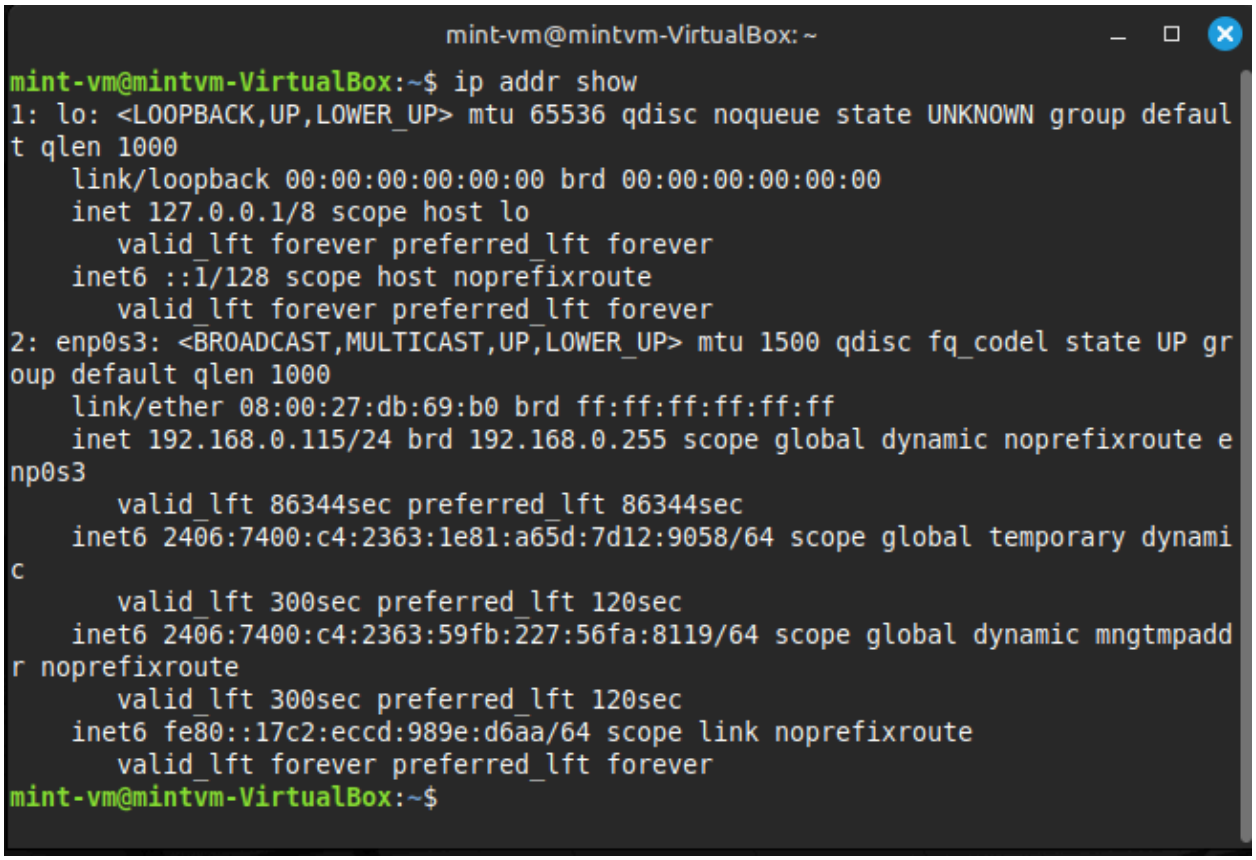
Q3) Manually configure a static IP to your device

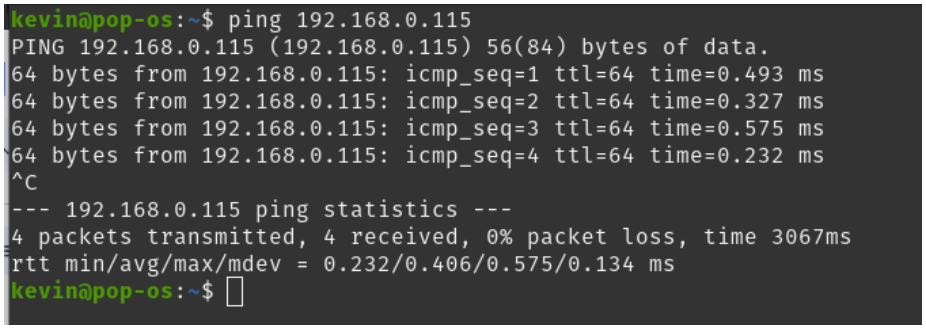
I will be using a Ubuntu VM for this example. This VM has a bridged adapter to my ethernet port. So it becomes easy for me to ping from my host to the VM.

Firstly, let us note the original dynamic IP:

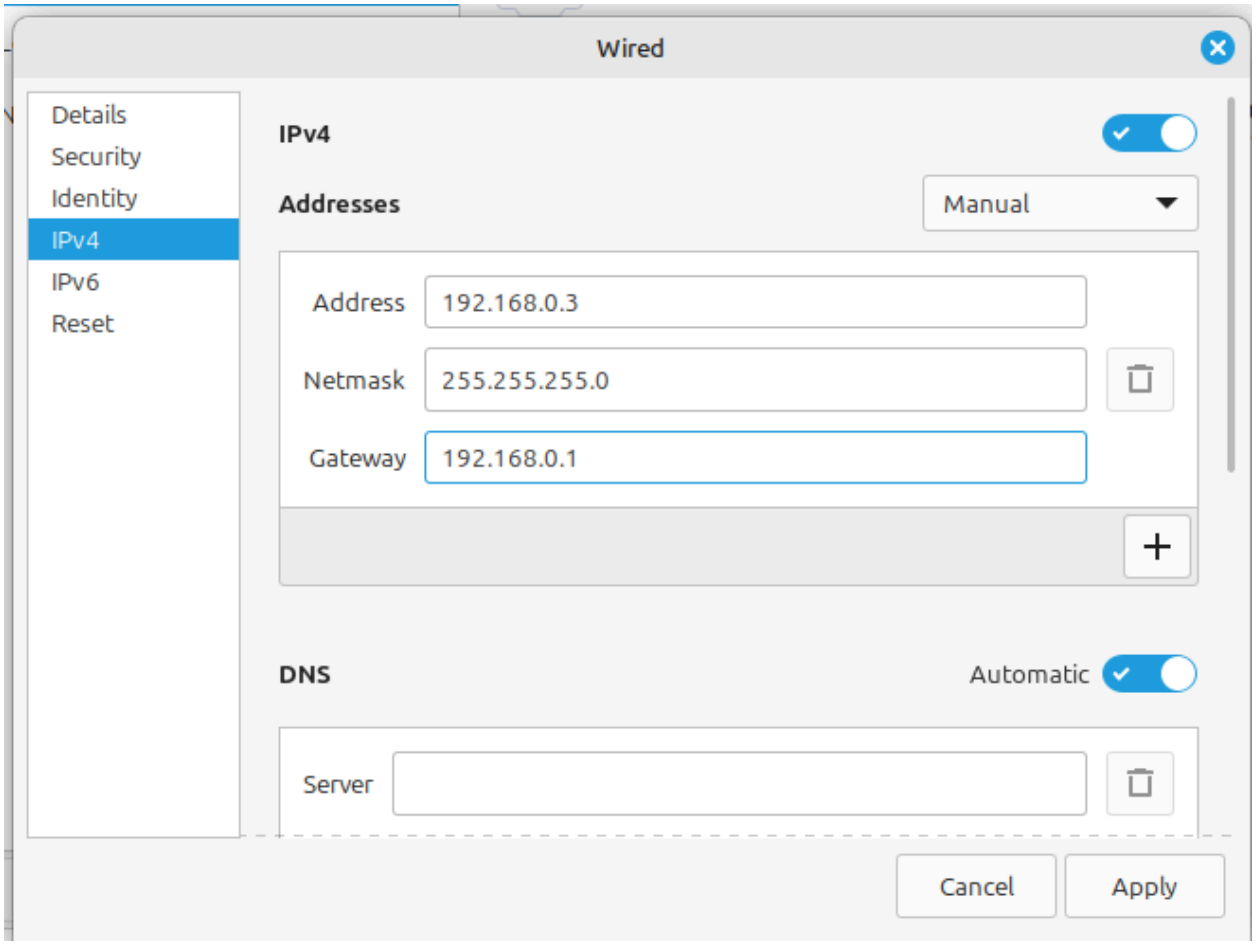


From here, we can see that the network interface connected is **enp0s3,** with an IP address of 192.168.0.115

PINGING FROM HOST TO VM IS WORKING:

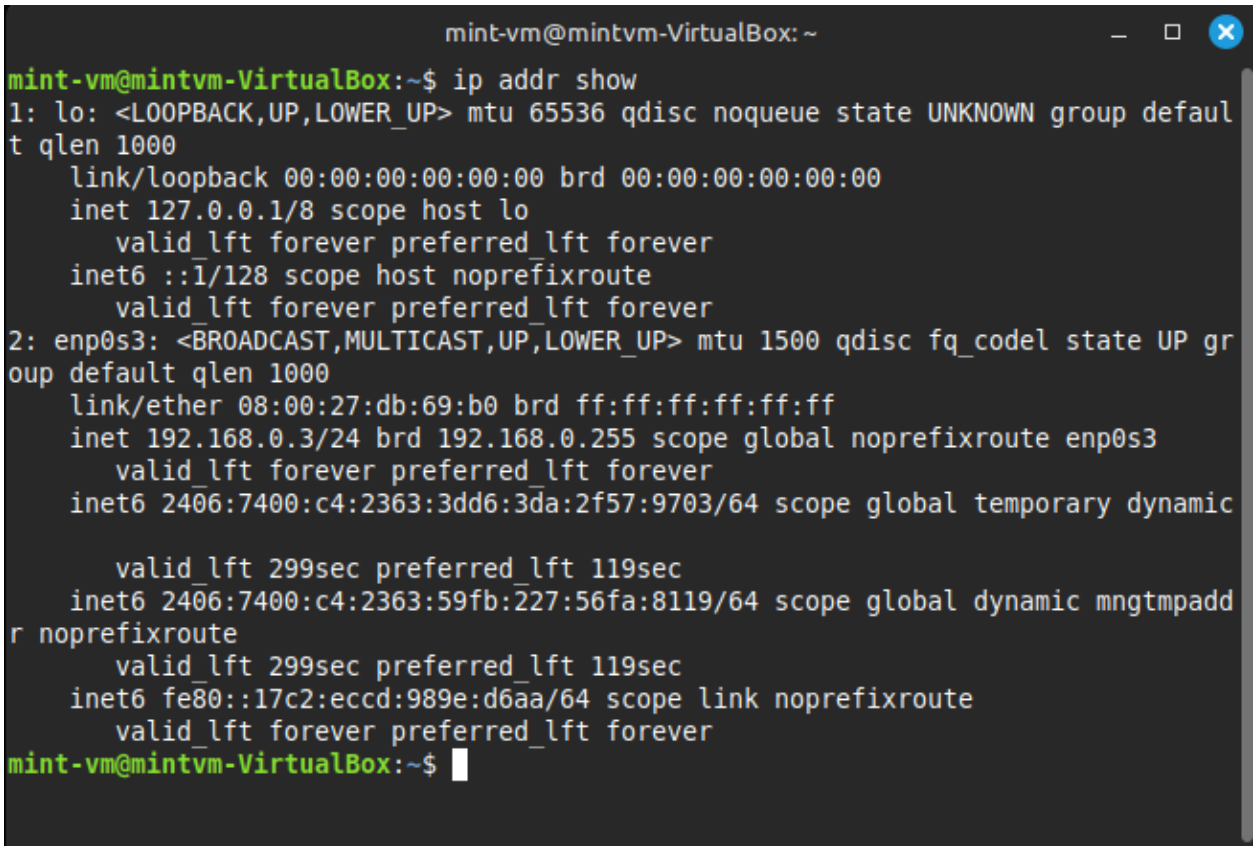


Now, let us assign a static IP to this VM. For that, go to the Network Settings (in Linux Mint Cinnamon DE) - IPv4:



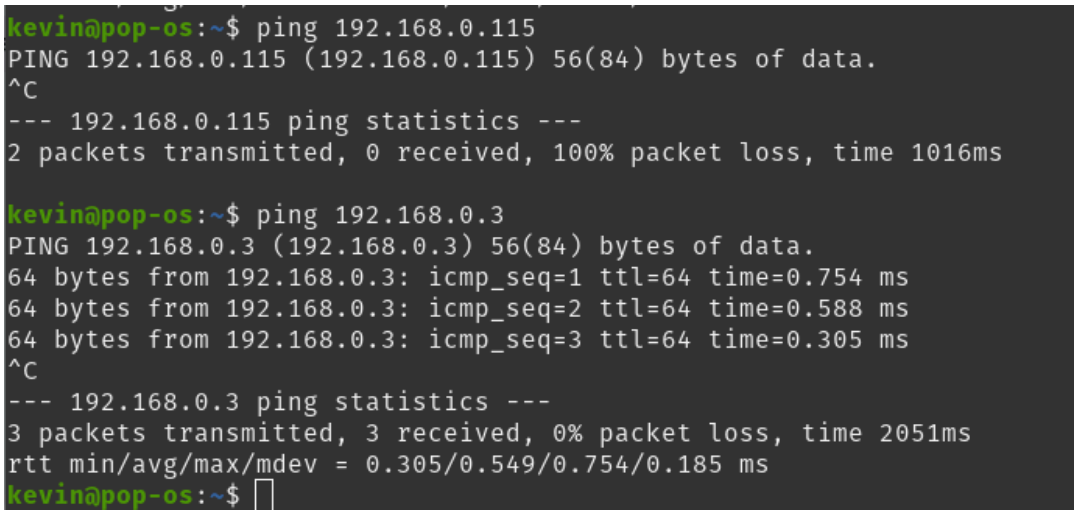
After pressing apply, the newly edited configuration gets accepted.

Now, let us check the IP address:



As we can see, the IP address has been changed to 192.168.0.3/24, as we have specified.

Pinging from host to vm:



We can see, we cannot ping to the old IP (192.168.0.115), but we can successfully ping to new IP address (192.168.0.3)