IT3010

Network Design & Management

3rd Year, 2nd Semester

Lab Report 2

Submitted to

Sri Lanka Institute of Information Technology

In partial fulfillment of the requirements for the

Bachelor of Science Special Honors Degree in Information Technology

24/02/2024

Declaration

I certify that this report does not incorporate without acknowledgement, any material previously submitted for a degree or diploma in any university, and to the best of my knowledge and belief it does not contain any material previously published or written by another person, except where due reference is made in text.

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Content

- Disable the DHCP settings in VMnet2 network adapter.

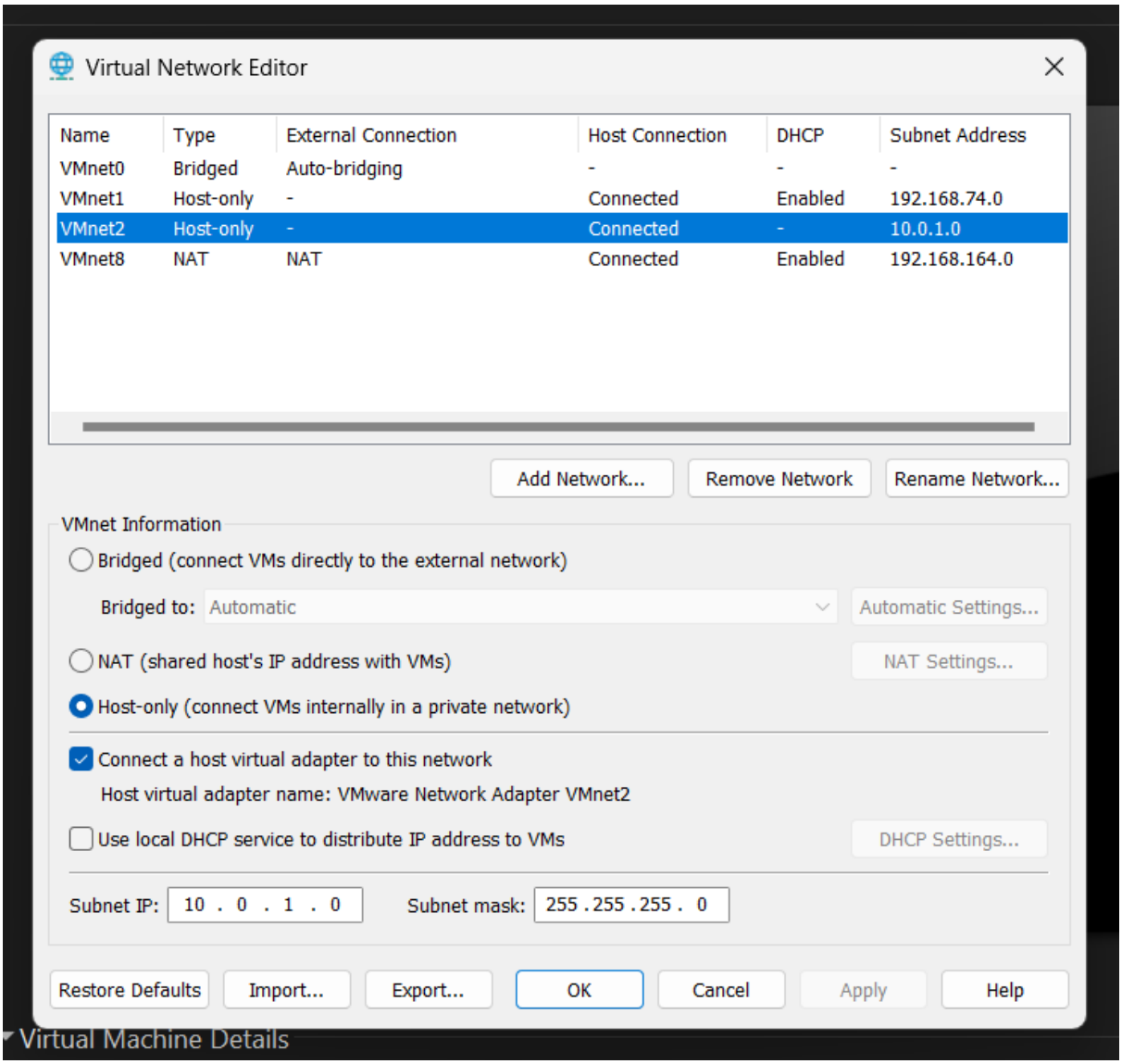

Figure 1

- Installing DHCP in Centos

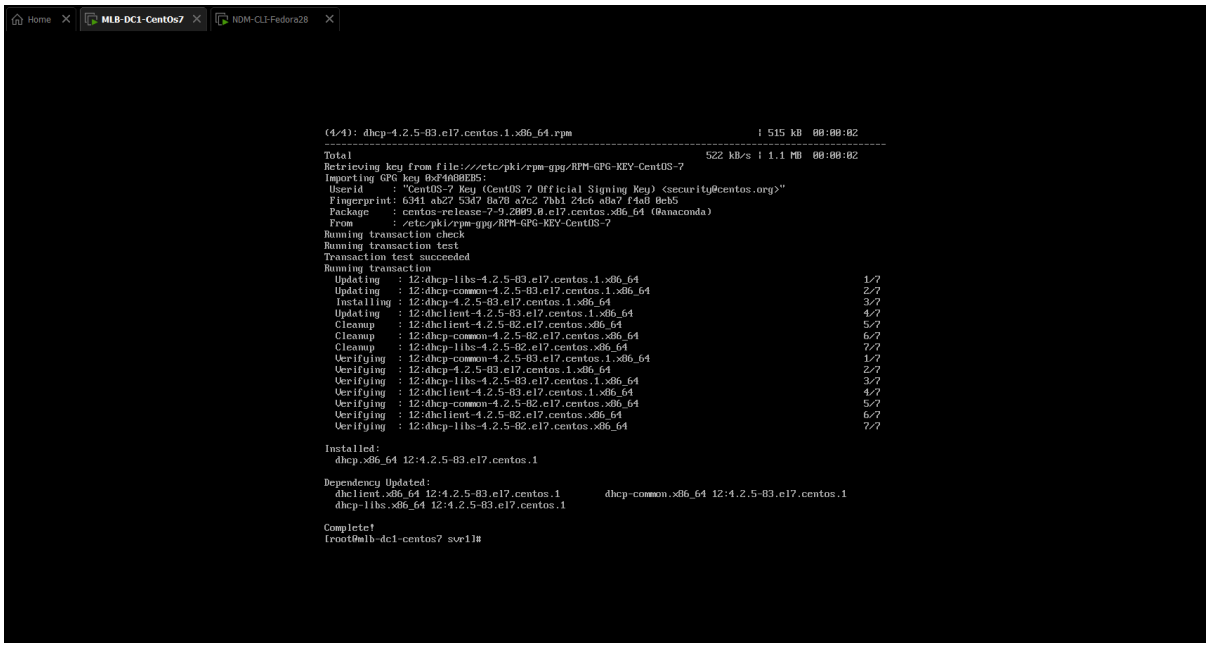

Figure 2

- Configuring DHCP settings

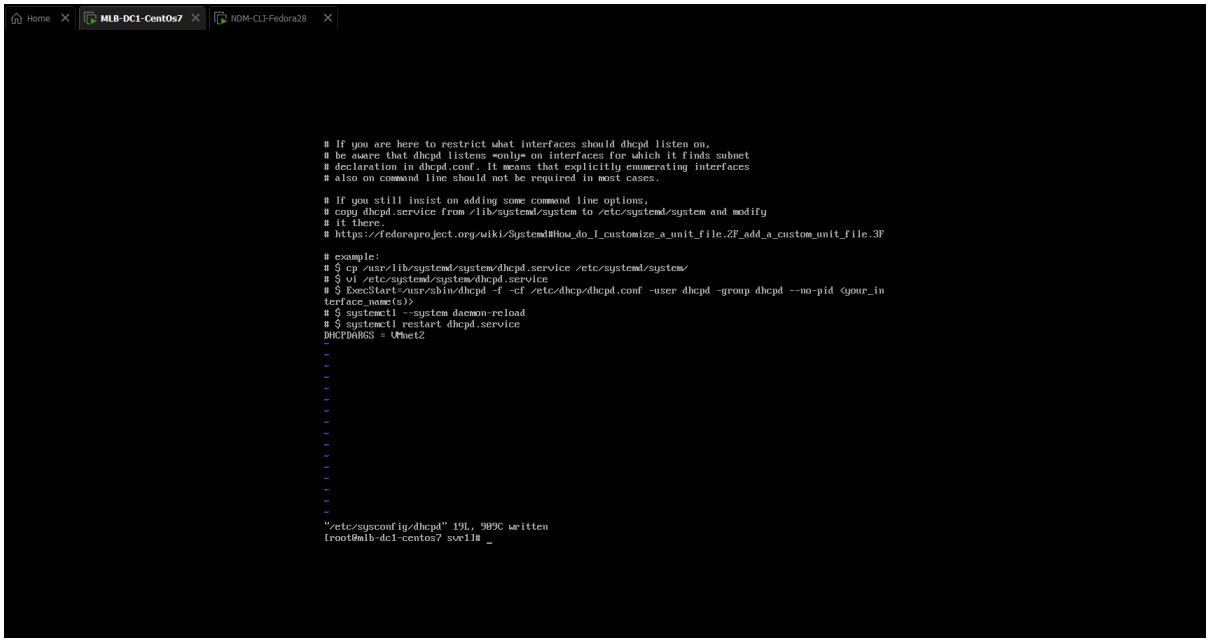

Figure 3.1

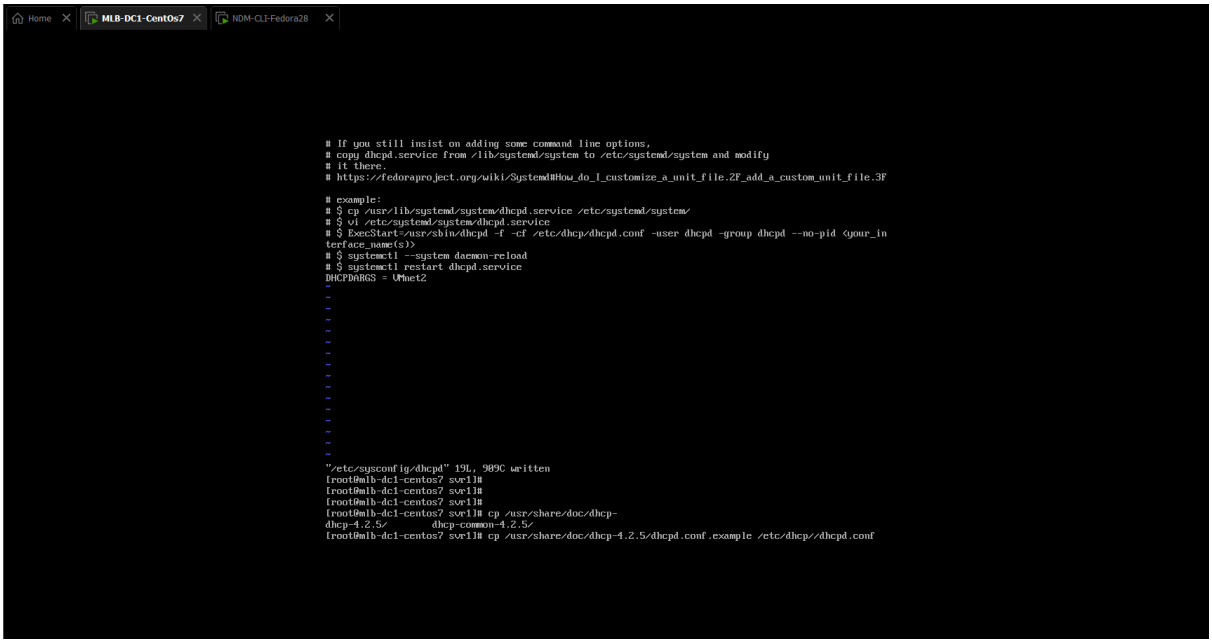

Figure 3.2

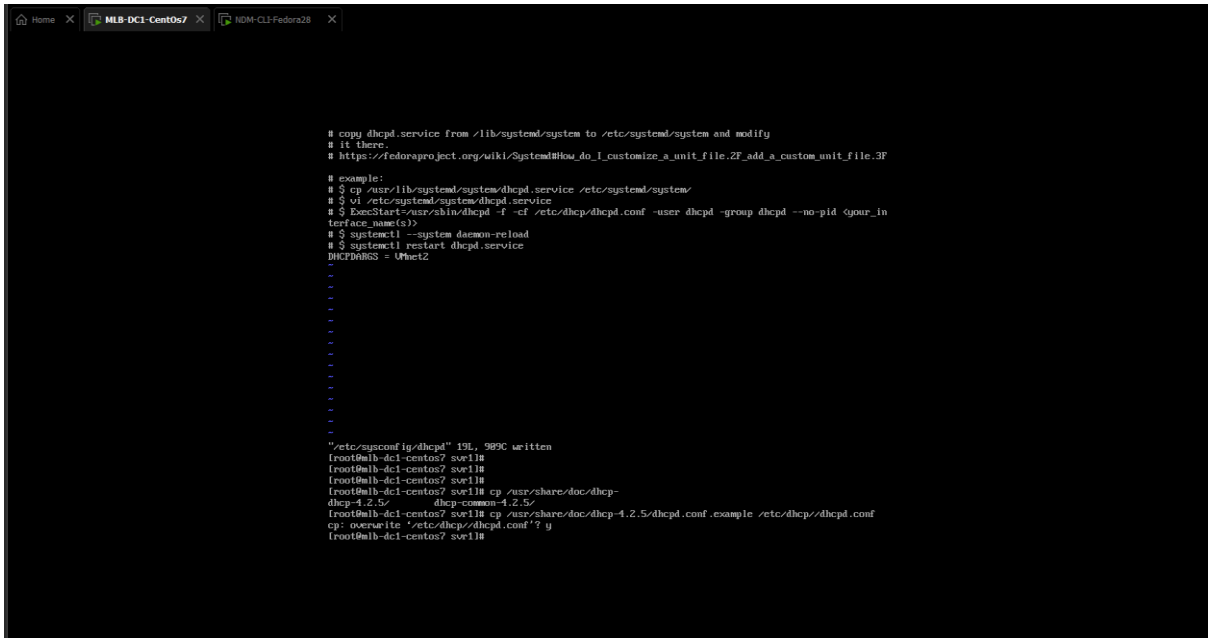

Figure 3.3

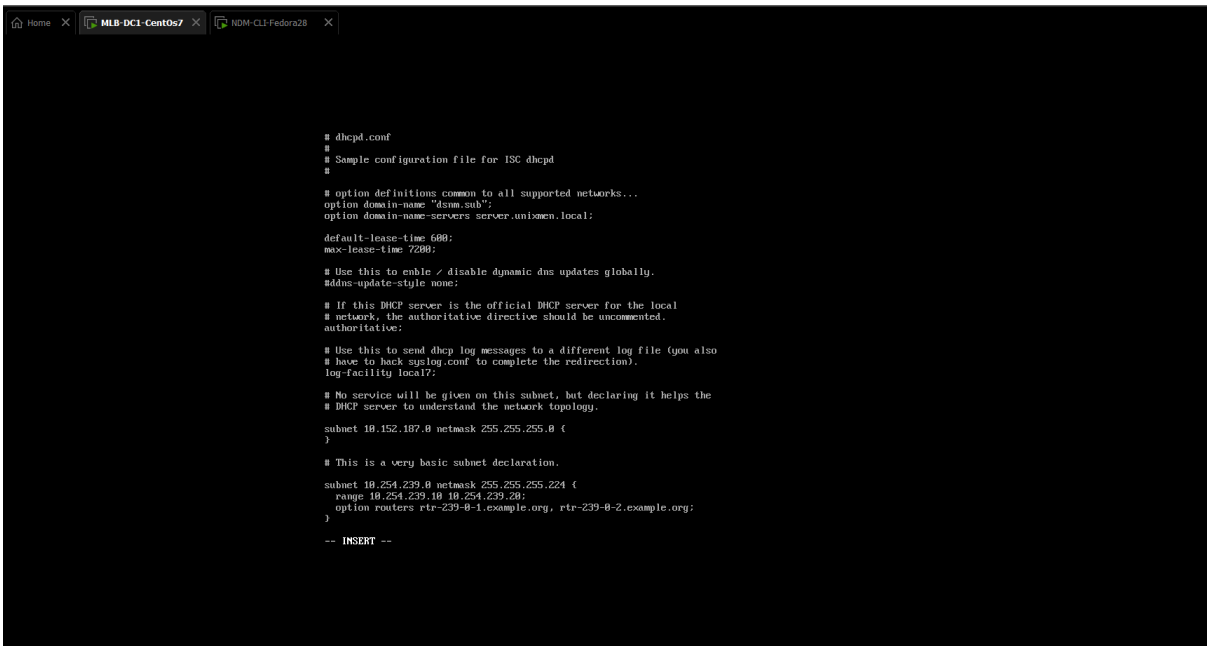

Figure 3.4

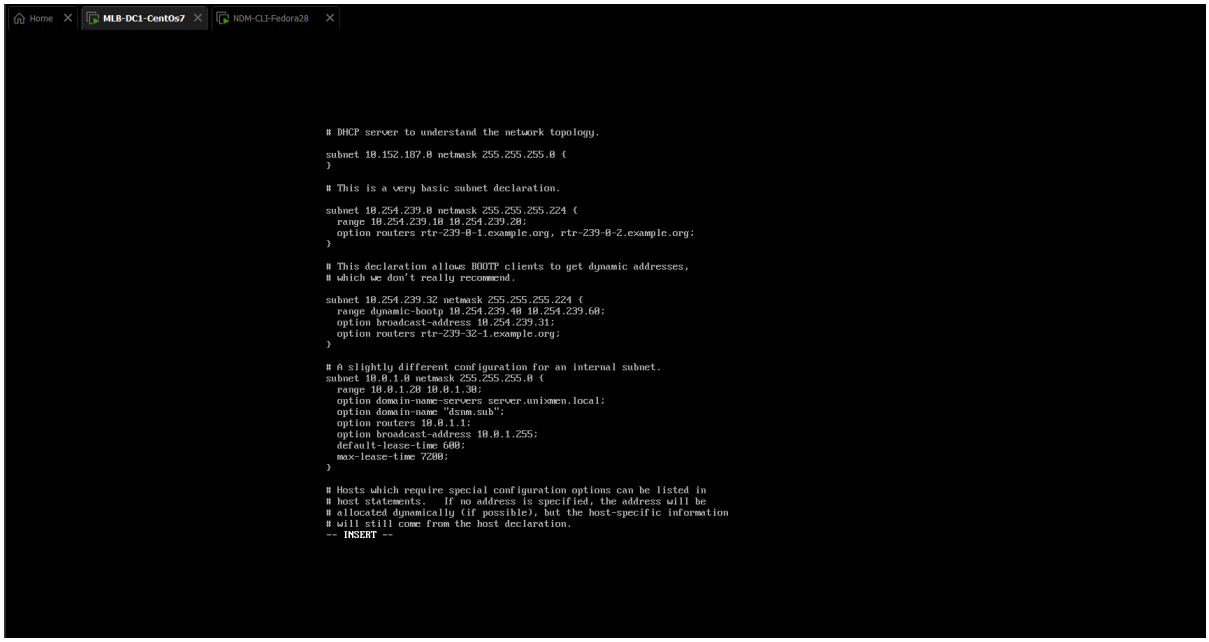

Figure 3.5

- Start DHCP service.

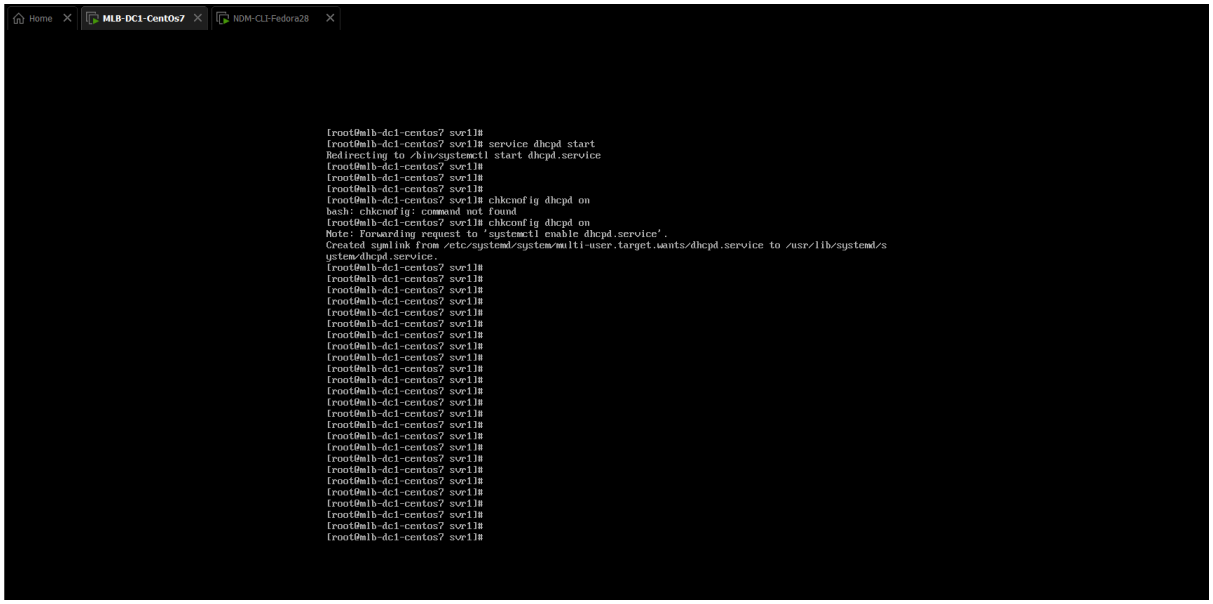

Figure 4

- Check status of DHCP server

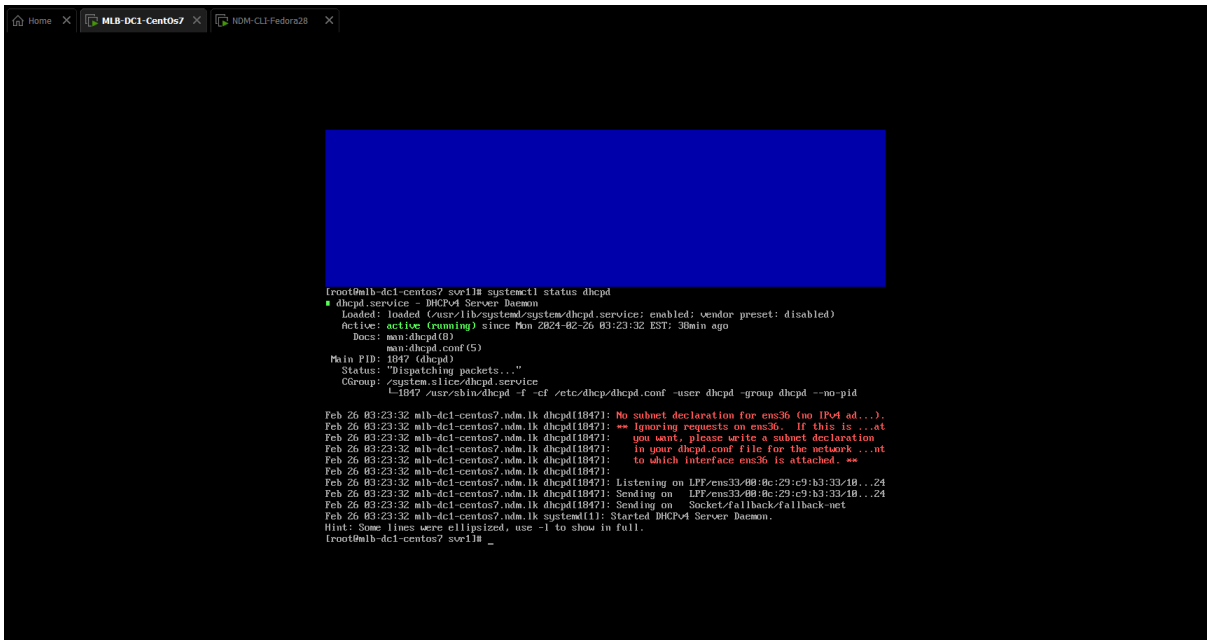

Figure 5

- Change Client's VMnet2 network adapter IP settings to Automatic (DHCP)

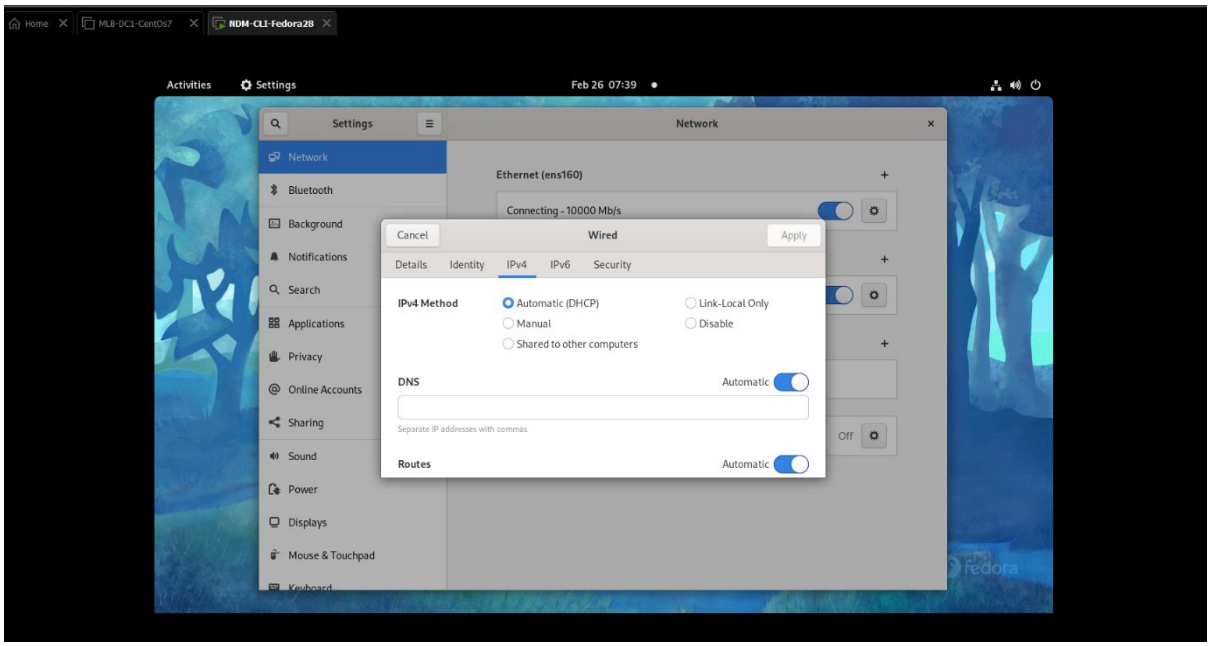

Figure 6

- Check the client's IP address is within the given range.

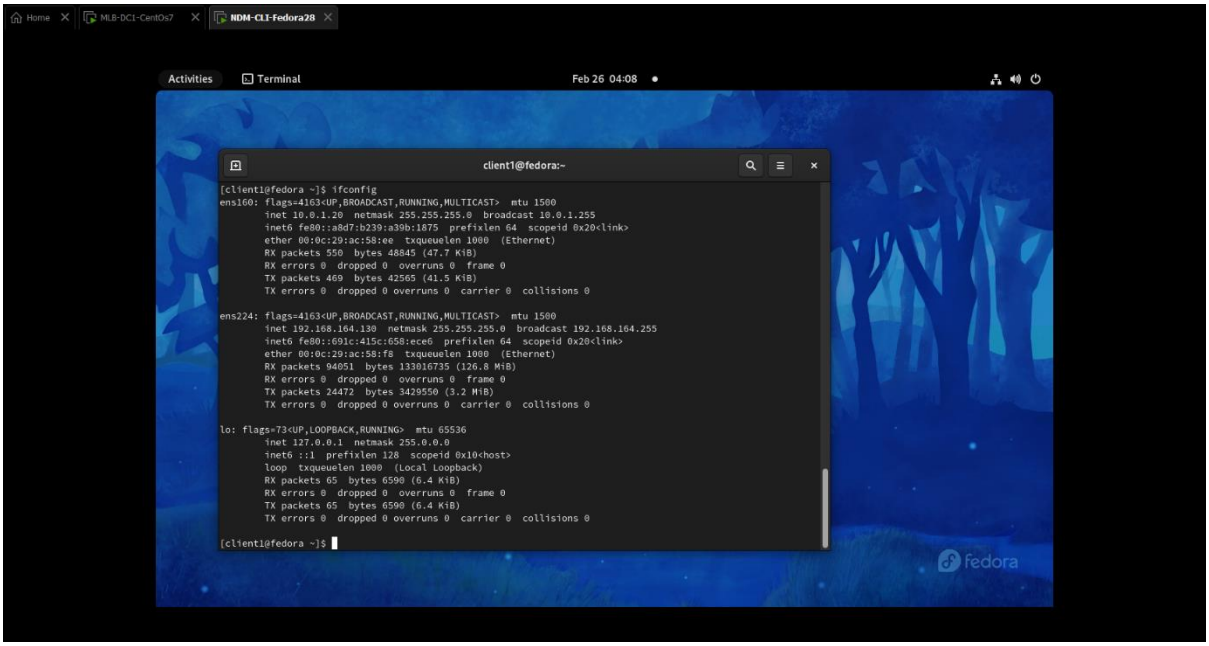

Figure 7

- Assigning a Temporary IP address in Fedora

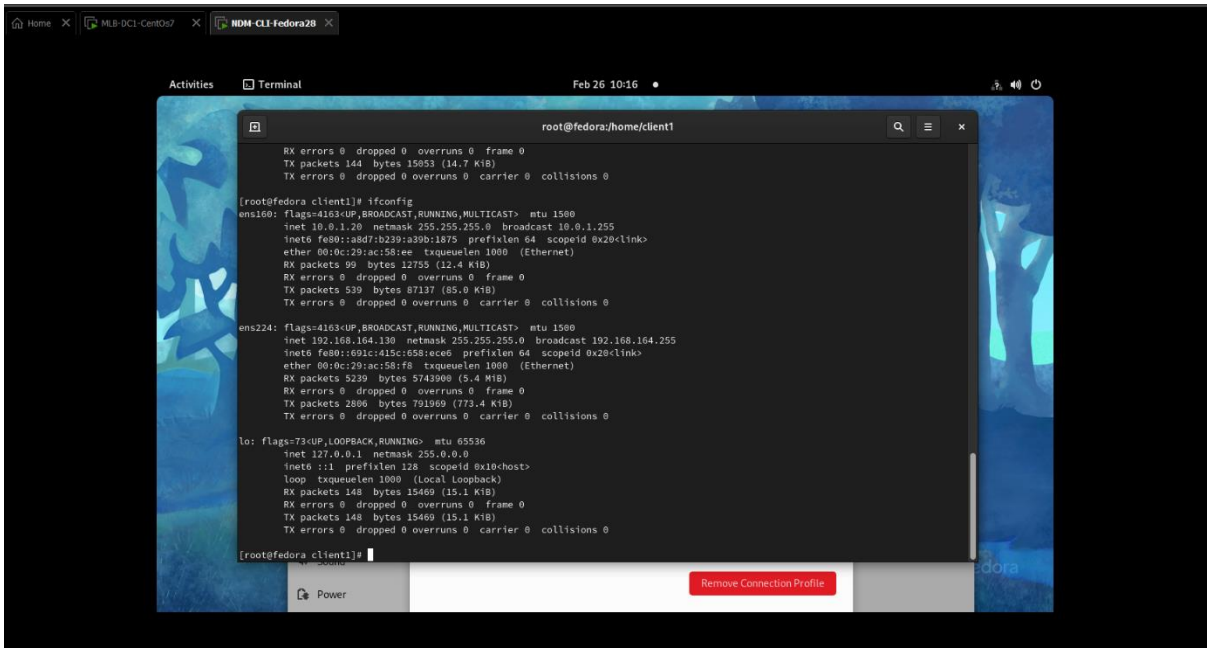

Figure 8.1

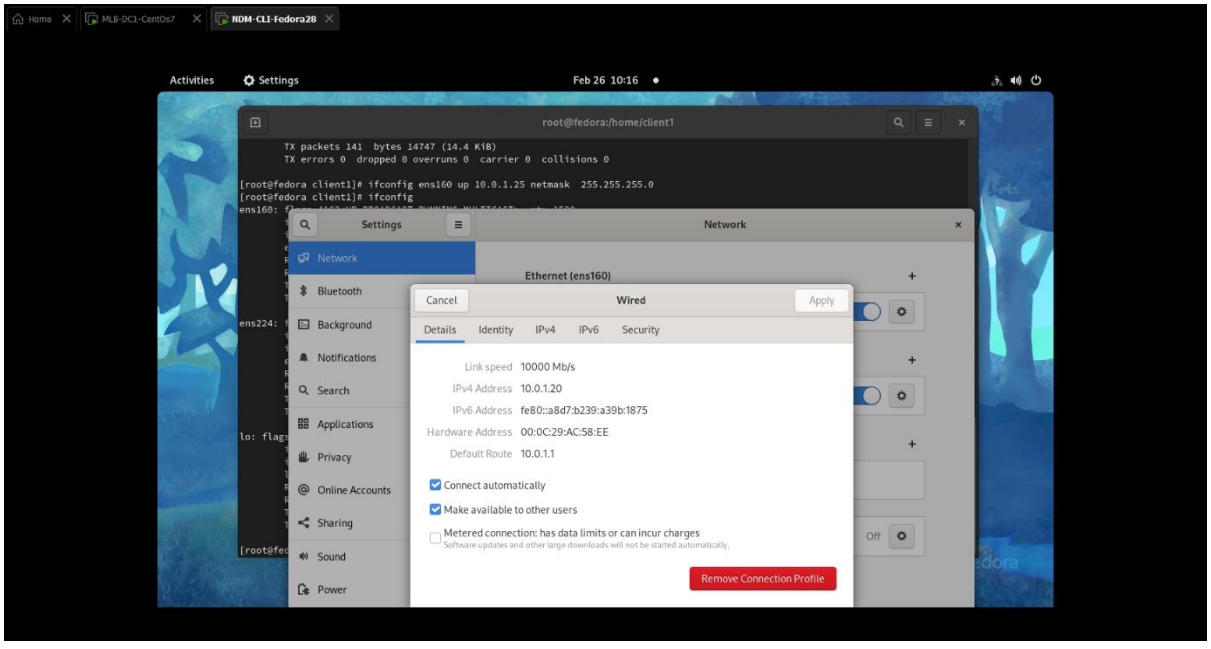

Figure 8.2

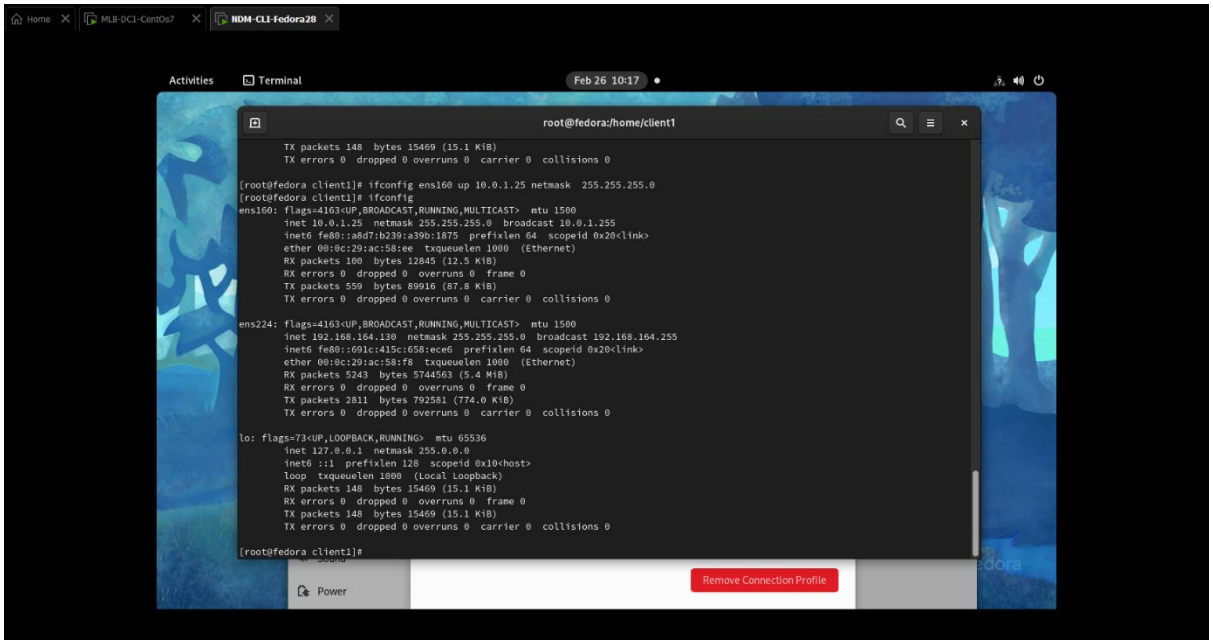

Figure 8.3

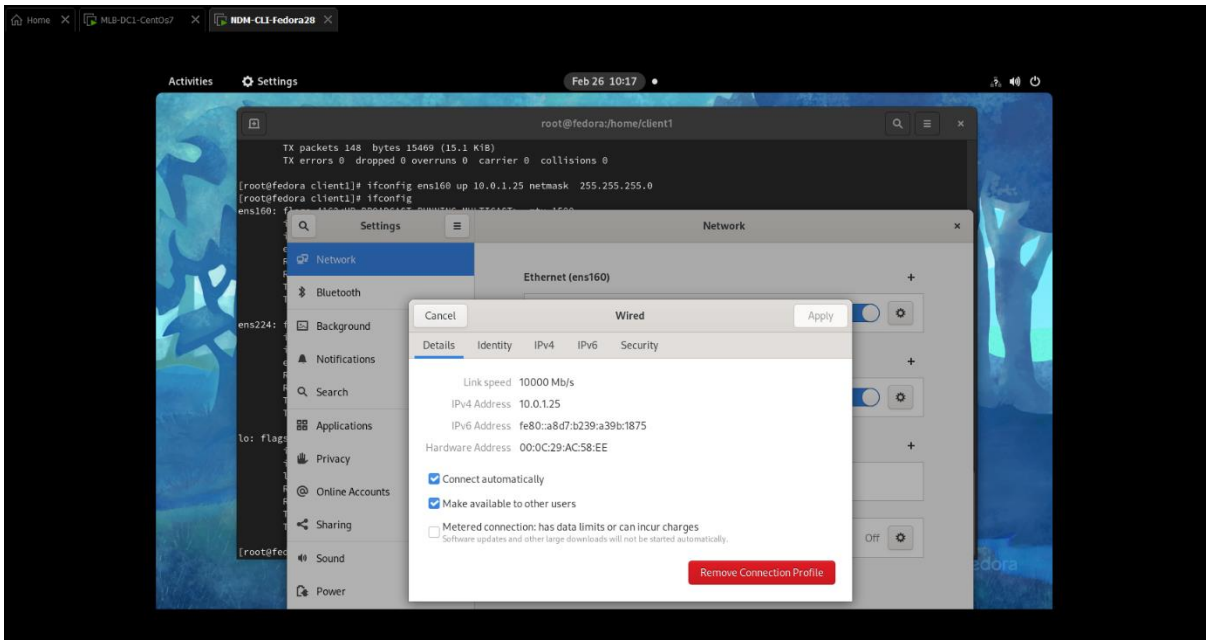

Figure 8.4

- Editing Network Interface Configuration File

Figure 9.1

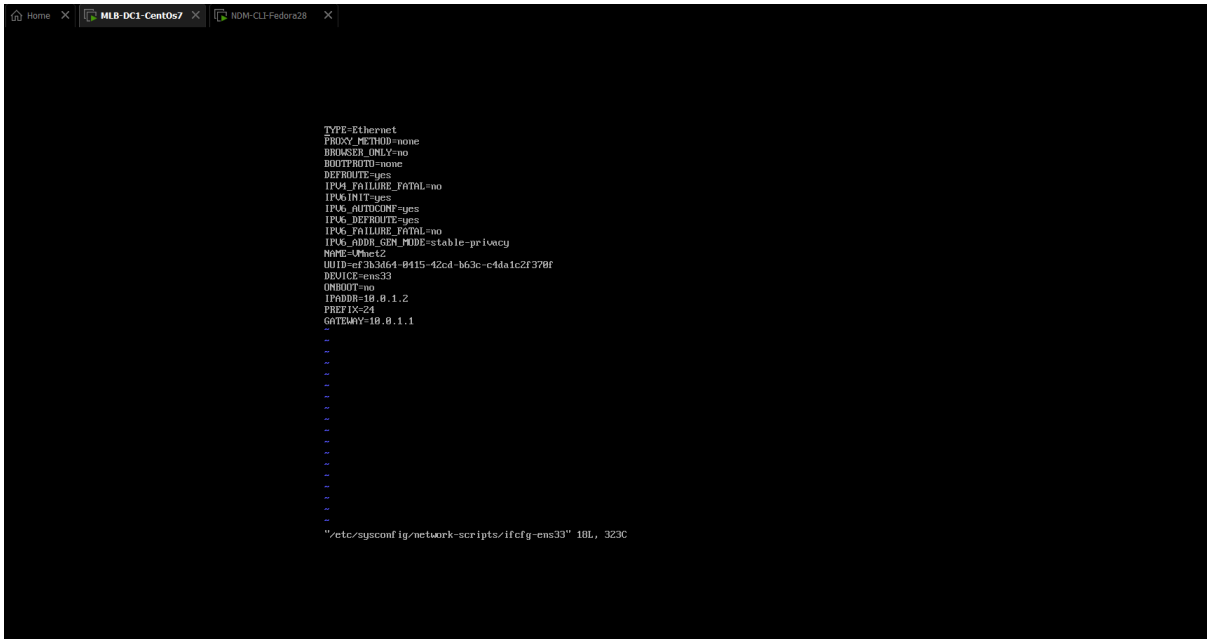

Figure 9.2