

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

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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1

Content

• Disable the DHCP settings in VMnet2 network adapter.

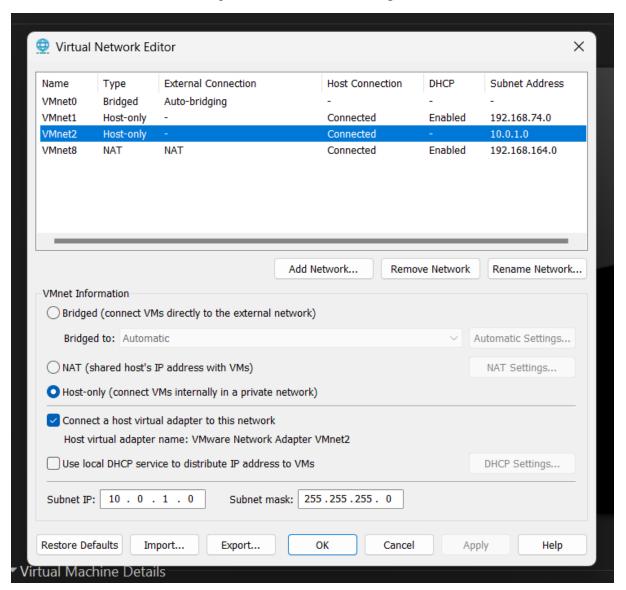


Figure 1

• Installing DHCP in Centos

```
(4-1): dlog-4.2.5-till.el7-centos.1.366.64.pps 1:515 kil 80:00:02

To receiving log from f f f inc.confrequit representation of Sec. May. 1:1.1 mt. 80:00:02

To receiving log from f f inc.confrequit representation of Sec. May. 1:1.1 mt. 80:00:02

Reporting 676 log 60-feeding 57 till feel Signing Rep. Geocart ligheration.org)*

Package : centor-release-9-3.000:0.107 till feel Signing Rep. Geocart ligheration.org)*

Package : centor-release-9-3.000:0.107 centor.side, 64 dissuccession

From : production for the second of the second
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Figure 2

• Configuring DHCP settings

Figure 3.1

Figure 3.2

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Figure 3.3

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* Sample comf ignration file for ISC dhept

* option definitions common to all supported networks...

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Authoritative:

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Figure 3.4

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Figure 3.5

• Start DHCP service.

Figure 4

• Check status of DHCP server

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frontBull-dc1-centor ov11s systemct1 status dhepd

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* the pd_cenvice = 2007M Server Busson
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Figure 5

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

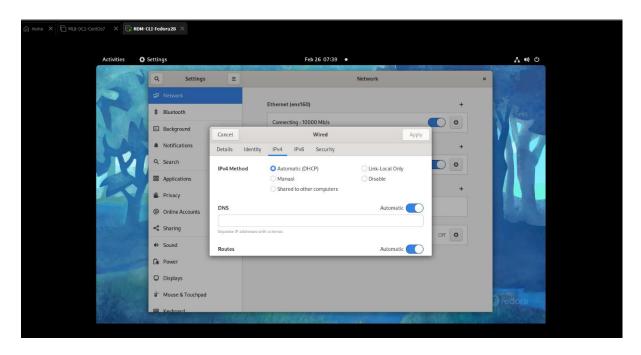


Figure 6

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

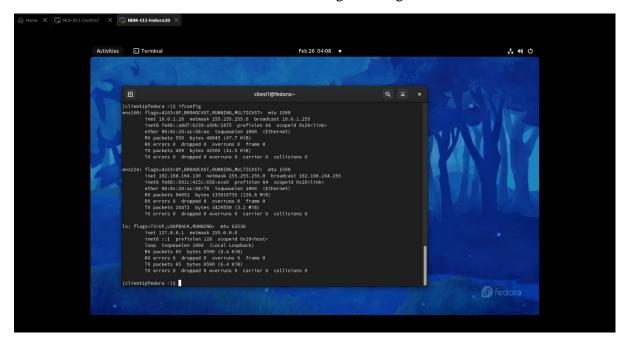


Figure 7

• Assigning a Temporary IP address in Fedora

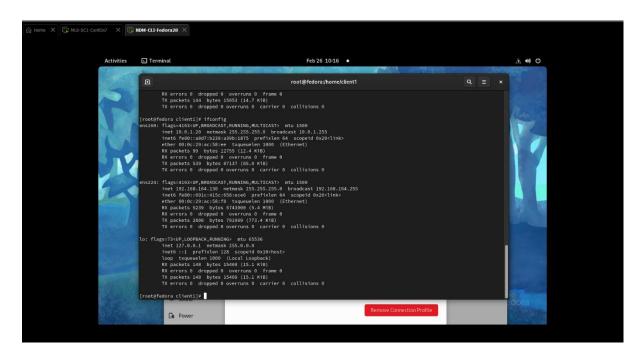


Figure 8.1

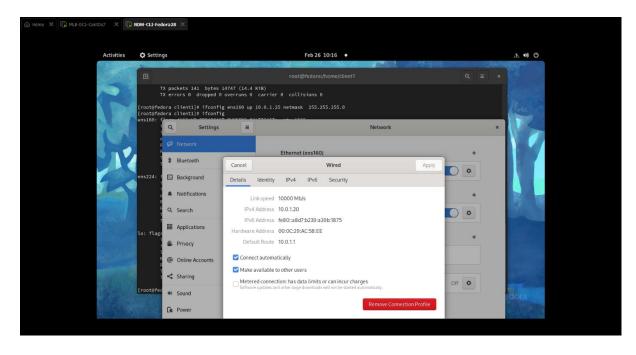


Figure 8.2

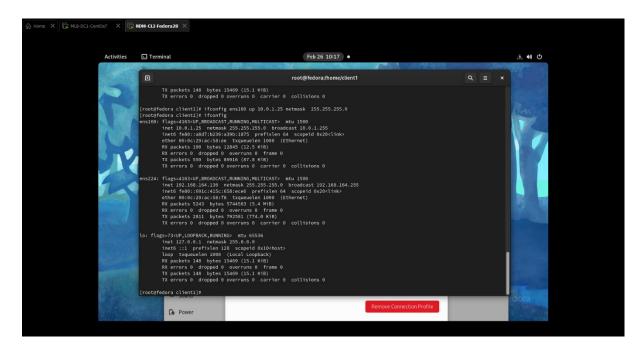


Figure 8.3

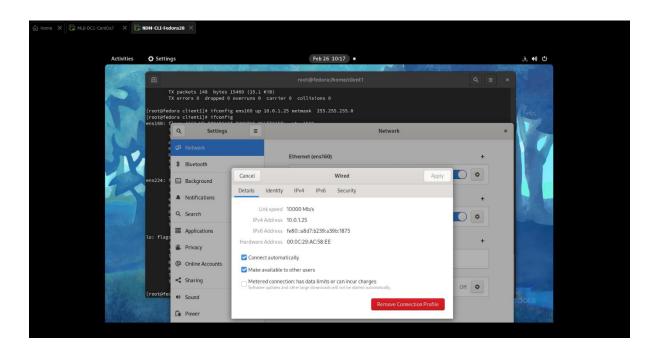


Figure 8.4

• Editing Network Interface Configuration File



Figure 9.1

Figure 9.2