

IT3010 Network Design & Management 3rd Year, 1st Semester

<Assignment 01>

< Network Connection on Fedora 28Client>

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

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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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```
File Edit Tabs Help

[client1@ndm-cli-fedora28 ~] $ su

Password:
```

Figure 1.1:Login to configure mode

Login to configure mode to configuring the network setting

```
File Edit Tabs Help

[client1@ndm-cli-fedora28 ~]$ su
Password:
[root@ndm-cli-fedora28 client1]#
```

Figure 2.1:configuration mode on

```
File Edit Tabs Help

[clientl@ndm-cli-fedora28:/home/client1

[root@ndm-cli-fedora28 client1]# clear
[root@ndm-cli-fedora28 client1]# nmcli device

DEVICE TYPE STATE CONNECTION

ens34 ethernet connected ens34

ens33 ethernet connecting (getting IP configuration) ens33

lo loopback unmanaged ---
```

Figure 3.1: Check the connection

Check the connection using [nmcli device] command. It was showing us to assigned ip address and gateways.

Figure 4.1:Assign the ip address

```
File Edit Tabs Help

[client1@localhost ~] $ su
Password:
[root@localhost client1] # nmcli connection mod ens34 ipv4.addresses 10.0.1.3/24
[root@localhost client1] # nmcli connection mod ens34 ipv4.gateway 10.0.1.1
[root@localhost client1] # |
```

Figure 5.1:Assign the gateway

Controlling the network by assign the client ip address and gateway.

```
File Edit Tabs Help

[clientl@localhost ~]$ su
Password:

[root@localhost clientl]# nmcli connection mod ens34 ipv4.addresses 10.0.1.3/24

[root@localhost clientl]# nmcli connection mod ens34 ipv4.gateway 10.0.1.1

[root@localhost clientl]# nmcli connection mod ens34 ipv4.method auto

[root@localhost clientl]# |
```

Figure 6.1: Assign the client method-auto

Figure 7.1:Again check the connection

Again, check the connection whether it was connected or not.