

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

<Assignment 01>

<Assignment Name/Lab Report Name>

Submitted to

Sri Lanka Institute of 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

Figure 3.1: Check the connection

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

```
client1@localhost:/home/client1 _ □ ×

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]# ■
```

Figure 4.1:Assign the ip address

```
client1@localhost:/home/client1 _ _ _ x

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.