1. Lab4

* show all connections

nmcli con show

* display all config setting for the active connection

nmcli con show --active

* show device status

nmcli dev show

* display the setting of the eno16777736 interface

nmcli dev show eno16777736

* create a static connection with the same IP address, network, prefix and default gateway. Name the new connection static-eth0 with ip 172.25.0.11,netmask 255.255.255.0 and gateway 172.25.0.254

nmcli con add con-name "static-eth0 " type ethernet ifname eno16777736 ip4 172.25.0.11/24 gw4 172.25.0.254

* modify the new connection to add DNS

nmcli conn modify "static-eth0" ipv4.dns 8.8.8.8

* activate the new connection

nmcli con up "static-eth0"

* view the active connection

nmcli con show --active

* verify the ip address using ip command

ip addr

* verify the default gateway

ip addr

* ping the DNS

ping 8.8.8.8

* disable the original connection autostarting at boot

nmcli conn modify "static-eth0" connection.autoconnect no

* reboot the system

reboot

* view the active connections

nmcli con show --active

* edit the /etc/sysconfig/network-scripts/ifcfg-conname add an additional address of 10.0.0.1/24

vi /etc/sysconfig/network-scripts/ifcfg-static-eth0\_

IPADDR1=10.0.0.1

PREFIX1=24

* reload the configuration changes

systemctl restart NetworkManager

* display the current host name

hostname

* display the host name status

hostnamectl

* change the hostname and hostname config file

hostname marwa@iti

hostnamectl set-hostname mohamed.iti

* verify the configuration file providing the hostname at network start

cat /etc/hostname

* use at to execute command tar cvf /home.tar tar five minutes from now

at now +5min

at> tar Pgcvf /home.tar /home

job 1 at Thu Feb 11 13:30:00 2016

* use cron command to create backup from /etc directory and compress it with gzip tool every day at mid night and store it in user root’s home dir

crontab -e

00 00 \* \* \* tar gcvf /home/iti/file1.tar /etc