Seif Hendawy
RHSA III Lab 1

CHAPTER 3:

```
[Seif@192 ~]$ ip link
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 08:00:27:88:a0:ed brd ff:ff:ff:ff:ff:ff
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 08:00:27:29:1a:7a brd ff:ff:ff:ff:ff:ff
4: enp0s9: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 08:00:27:c3:d9:0b brd ff:ff:ff:ff:ff:ff
5: enp0s10: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 08:00:27:d1:67:2e brd ff:ff:ff:ff:ff:ff
[Seif@192 ~]$ nmcli con add type team con-name team0 ifname team0 config '{"runner" : {"name" : "activebackup"}}'
Connection 'team0' (d9e9c3ad-ca9c-4c88-bc40-11fe22555810) successfully added.
[Seif@192 ~]$
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[Seif@192 ~]$ nmcli con add type team con-name team0 ifname team0 config '{"runner" : {"name" : "activebackup"}}'
Connection 'team0' (d9e9c3ad-ca9c-4c88-bc40-11fe22555810) successfully added.
[Seif@192 ~]$
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```
Seif@192 ~]$ nmcli con add type team-slave con-name team0-port1 ifname enp0s8 master team0
onnection 'team0-port1' (c46c0a4b-cff8-4e99-8c79-d0cfa91fc0bf) successfully added.
```

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[Seif@192 ~]$ nmcli con add type team-slave con-name team0-port2 ifname enp0s9 master team0
Connection 'team0-port2' (385dfd14-9cca-4d02-91ef-afcce70c6989) successfully added.
[Seif@192 ~]$
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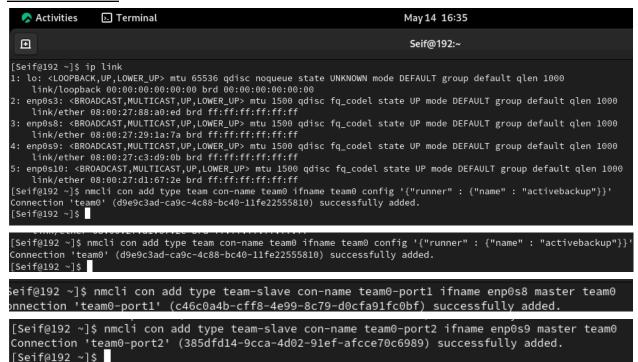
```
[Seif@192 ~]$ nmcli con up team0-port1
nmcli con up team0-port2
Connection successfully activated (D-Bus active path: /org/fre
Connection successfully activated (D-Bus active path: /org/fre
[Seif@192 ~]$ nmcli con up team0
Connection successfully activated (master waiting for slaves)
[Seif@192 ~]$ sudo teamdctl team0 state
setup:
  runner: activebackup
ports:
  enp0s8
    link watches:
      link summary: up
      instance[link_watch_0]:
        name: ethtool
        link: up
        down count: 1
  enp0s9
    link watches:
      link summary: up
      instance[link_watch_0]:
        name: ethtool
        link: up
        down count: 0
runner:
  active port: enp0s8
[Seif@192 ~]$
```

```
[Seif@localhost ~]$ ip route
default via 192.168.2.1 dev enp0s10 proto dhcp src 192.168.2.12 metric 100
default via 192.168.2.1 dev enp0s3 proto dhcp src 192.168.2.10 metric 101
192.168.0.0/24 dev brteam0 proto kernel scope link src 192.168.0.100 metric 425
192.168.2.0/24 dev enp0s10 proto kernel scope link src 192.168.2.12 metric 100
192.168.2.0/24 dev enp0s3 proto kernel scope link src 192.168.2.10 metric 101
[Seif@localhost ~]$ ping 192.168.2.1
PING 192.168.2.1 (192.168.2.1) 56(84) bytes of data.
64 bytes from 192.168.2.1: icmp_seq=1 ttl=64 time=1.75 ms
64 bytes from 192.168.2.1: icmp_seq=2 ttl=64 time=2.91 ms
64 bytes from 192.168.2.1: icmp_seq=3 ttl=64 time=1.92 ms
64 bytes from 192.168.2.1: icmp_seq=4 ttl=64 time=8.69 ms
^C
--- 192.168.2.1 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3005ms
rtt min/avg/max/mdev = 1.754/3.819/8.688/2.845 ms
[Seif@localhost ~]$
```

CHAPTER 5:

```
[Seif@localhost ~]$ dig @localhost A example.com

; <<>> DiG 9.16.23-RH <<>> @localhost A example.com
; (2 servers found)
;; global options: +cmd
;; connection timed out; no servers could be reached

[Seif@localhost ~]$
```

```
[Seif@localhost ~]$ sudo vi /etc/unbound/unbound.conf
[Seif@localhost ~]$ dig @localhost A example.com

; <<>> DiG 9.16.23-RH <<>> @localhost A example.com
; (2 servers found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 22709
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; QUESTION SECTION:
;example.com.                    IN      A

;; ANSWER SECTION:
example.com.            300     IN      A       96.7.128.175
example.com.            300     IN      A       96.7.128.198
example.com.            300     IN      A       23.192.228.80
example.com.            300     IN      A       23.192.228.84
example.com.            300     IN      A       23.215.0.136
example.com.            300     IN      A       23.215.0.138

;; Query time: 1005 msec
;; SERVER: ::1#53(::1)
;; WHEN: Wed May 14 18:04:41 EEST 2025
;; MSG SIZE  rcvd: 136

[Seif@localhost ~]$
```