

Nama : Ray Syadera Lingga

NIM : 161402067

KOM : C

Mengupdate file berkas pada mininet dari virtual box secara langsung

```
Get:33 http://us.archive.ubuntu.com trusty-backports/restricted Translation-en [
28 B]
Get:34 http://us.archive.ubuntu.com trusty-backports/universe Translation-en [36
.8 kB]
Hit http://us.archive.ubuntu.com trusty Release
Hit http://us.archive.ubuntu.com trusty/main Sources
Hit http://us.archive.ubuntu.com trusty/restricted Sources
Hit http://us.archive.ubuntu.com trusty/universe Sources
Hit http://us.archive.ubuntu.com trusty/multiverse Sources
Hit http://us.archive.ubuntu.com trusty/main i386 Packages
Hit http://us.archive.ubuntu.com trusty/restricted i386 Packages
Hit http://us.archive.ubuntu.com trusty/universe i386 Packages
Hit http://us.archive.ubuntu.com trusty/multiverse i386 Packages
Hit http://us.archive.ubuntu.com trusty/main Translation-en
Hit http://us.archive.ubuntu.com trusty/multiverse Translation-en
Hit http://us.archive.ubuntu.com trusty/restricted Translation-en
Hit http://us.archive.ubuntu.com trusty/universe Translation-en
Ign http://us.archive.ubuntu.com trusty/main Translation-en_US
Ign http://us.archive.ubuntu.com trusty/multiverse Translation-en_US
Ign http://us.archive.ubuntu.com trusty/restricted Translation-en_US
Ign http://us.archive.ubuntu.com trusty/universe Translation-en_US
Fetched 4,136 kB in 35s (116 kB/s)
Reading package lists... Done
mininet@mininet-vm:~$ sudo apt-get install tree
Reading package lists... Done
Building dependency tree
Reading state information... Done
tree is already the newest version.
0 upgraded, 0 newly installed, 0 to remove and 193 not upgraded.
mininet@mininet-vm:~$
```

Melakukan tree topologi sebanyak 2 bagian dan linear topologi sebanyak 4 bagian

```
Reading state information... Done
tree is already the newest version.
0 upgraded, 0 newly installed, 0 to remove and 193 not upgraded.
mininet@mininet-vm:~$ --mininet
--mininet: command not found
mininet@mininet-vm:~$ --pox
--pox: command not found
mininet@mininet-vm:~$ _/mininet$ tree -L 2 -d
-bash: _/mininet$: No such file or directory
mininet@mininet-vm:~$ sudo mn --topo linear,4
*** Creating network
*** Adding controller
*** Adding hosts:
h1 h2 h3 h4
*** Adding switches:
s1 s2 s3 s4
*** Adding links:
(h1, s1) (h2, s2) (h3, s3) (h4, s4) (s2, s1) (s3, s2) (s4, s3)
*** Configuring hosts
h1 h2 h3 h4
*** Starting controller
c0
*** Starting 4 switches
s1 s2 s3 s4 ...
*** Starting CLI:
mininet> py h1.IP()
10.0.0.1
mininet> py h4.IP()
10.0.0.4
mininet>
```

Kemudian akan meng-creat, add host and switches, add links, configure dan memulai switch dan CLI nya

Kemudian memeriksa IP address pada h1 dan h4

Dan setelah itu akan menghubungkan kecepatan ping pada jaringan h2

```
*** Creating network
*** Adding controller
*** Adding hosts:
h1 h2 h3 h4
*** Adding switches:
s1 s2 s3 s4
*** Adding links:
(h1, s1) (h2, s2) (h3, s3) (h4, s4) (s2, s1) (s3, s2) (s4, s3)
*** Configuring hosts
h1 h2 h3 h4
*** Starting controller
c0
*** Starting 4 switches
s1 s2 s3 s4 ...
*** Starting CLI:
mininet> py h1.IP()
10.0.0.1
mininet> py h4.IP()
10.0.0.4
mininet> h1 ping -c 4 h2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp_seq=1 ttl=64 time=41.3 ms
64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=9.74 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.899 ms
64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.408 ms

--- 10.0.0.2 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms
rtt min/avg/max/mdev = 0.408/13.098/41.343/16.724 ms
mininet>
```