

Assignment-3

Dhananjay Arora

Output

Screenshot of pingall

```
mininet@mininet-vm: ~/RVU_Assignment
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 13 36:70:9b:dc:40:9b ff:ff:ff:ff:ff:ff 1
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 9 36:70:9b:dc:40:9b ff:ff:ff:ff:ff:ff 2
packet in 15 36:70:9b:dc:40:9b ff:ff:ff:ff:ff:ff 3
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 15 06:61:54:eb:0e:66 36:70:9b:dc:40:9b 1
packet in 10 36:70:9b:dc:40:9b ff:ff:ff:ff:ff:ff 3
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 13 06:61:54:eb:0e:66 36:70:9b:dc:40:9b 2
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 12 36:70:9b:dc:40:9b ff:ff:ff:ff:ff:ff 3
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 11 36:70:9b:dc:40:9b ff:ff:ff:ff:ff:ff 3
packet in 14 06:61:54:eb:0e:66 36:70:9b:dc:40:9b 3
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 14 36:70:9b:dc:40:9b 06:61:54:eb:0e:66 2
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 13 36:70:9b:dc:40:9b 06:61:54:eb:0e:66 1
EVENT ofp_event->SimpleSwitch13 EventOFPPacketIn
packet in 15 36:70:9b:dc:40:9b 06:61:54:eb:0e:66 3
```

```
mininet@mininet-vm: ~
mininet>
mininet>
mininet> pingall
*** Ping: testing ping reachability
h1 -> h2 h3 h4 h5 h6 h7
h2 -> h1 h3 h4 h5 h6 h7
h3 -> h1 h2 h4 h5 h6 h7
h4 -> h1 h2 h3 h5 h6 h7
h5 -> h1 h2 h3 h4 h6 h7
h6 -> h1 h2 h3 h4 h5 h7
h7 -> h1 h2 h3 h4 h5 h6
*** Results: 0% dropped (42/42 received)
mininet> pingall
*** Ping: testing ping reachability
h1 -> h2 h3 h4 h5 h6 h7
h2 -> h1 h3 h4 h5 h6 h7
h3 -> h1 h2 h4 h5 h6 h7
h4 -> h1 h2 h3 h5 h6 h7
h5 -> h1 h2 h3 h4 h6 h7
h6 -> h1 h2 h3 h4 h5 h7
h7 -> h1 h2 h3 h4 h5 h6
*** Results: 0% dropped (42/42 received)
mininet>
```

Screenshot of Iperf using Xming

```
"Node: h1"
root@mininet-vn:~# iperf -s
-----
Server listening on TCP port 5001
TCP window size: 85.3 KByte (default)
-----
[ 36] local 10.0.0.1 port 5001 connected with 10.0.0.2 port 32802
[ ID] Interval      Transfer    Bandwidth
[ 36] 0.0-10.0 sec  9.63 GBytes  8.26 Gbits/sec
█
```

```
"Node: h2"
root@mininet-vn:~# iperf -c 10.0.0.1
-----
Client connecting to 10.0.0.1, TCP port 5001
TCP window size: 85.3 KByte (default)
-----
[ 35] local 10.0.0.2 port 32802 connected with 10.0.0.1 port 5001
[ ID] Interval      Transfer    Bandwidth
[ 35] 0.0-10.0 sec  9.63 GBytes  8.27 Gbits/sec
root@mininet-vn:~# █
```