Start Controller

root@server03:~/ryu/ryu/app# ryu-manager simple_switch_stp_13.py

Start Mininet

root@server03:~/mininet/custom# sudo mn --custom ./dc_topo.py --topo=mytopo --controller=remote

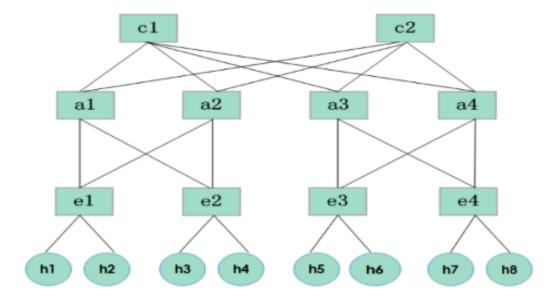
1. Pingall Test

```
root@server03:~/mininet/custom#
root@server03:~/mininet/custom# sudo mn --custom ./dc_topo.py --topo=mytopo --controller=remote
  *** Creating network
 *** Adding controller
Connecting to remote controller at 127.0.0.1:6653
 *** Adding hosts:
h1 h2 h3 h4 h5 h6 h7 h8
    * Adding switches:
a3 a4 a5 a6 c1 c2 e7 e8 e9 e10
 *** Adding links:
(a3, e7) (a3, e8) (a4, e7) (a4, e8) (a5, e9) (a5, e10) (a6, e9) (a6, e10) (c1, a3) (c1, a4) (c1, a5) (c1, a6) (c2, a3) (c2, a4) (c2, a5) (c2, a6) (e7, h1) (e7, h2) (e8, h3) (e8, h4) (e9, h5) (e9, h6) (e10, h7) (e10, h8)
  ** Configuring hosts
h1 h2 h3 h4 h5 h6 h7 h8
 *** Starting controller
*** Starting 10 switches
a3 a4 a5 a6 c1 c2 e7 e8 e9 e10 ...
 *** Starting CLI:
mininet> pingall
*** Ping: testing ping reachability
h1 -> h2 h3 h4 h5 h6 h7 h8
h2 -> h1 h3 h4 h5 h6 h7 h8
h3 -> h1 h2 h4 h5 h6 h7 h8
h4 -> h1 h2 h3 h5 h6 h7 h8
h5 -> h1 h2 h3 h4 h6 h7 h8
h6 -> h1 h2 h3 h4 h5 h7 h8
    -> h1 h2 h3 h4 h5 h6 h8
h8 -> h1 h2 h3 h4 h5 h6 h7
 *** Results: 0% dropped (56/56 received)
```

2. Topo Check

```
mininet> dump

<hre>
<hr
```



3. End to end bandwidth test

```
mininet> iperf h1 h2
*** Iperf: testing TCP bandwidth between h1 and h2
*** Results: ['29.1 Gbits/sec', '29.1 Gbits/sec']
mininet>
mininet> iperf h1 h3
*** Iperf: testing TCP bandwidth between h1 and h3
*** Results: ['28.8 Gbits/sec', '28.8 Gbits/sec']
mininet>
mininet> iperf h1 h8
*** Iperf: testing TCP bandwidth between h1 and h8
*** Results: ['25.6 Gbits/sec', '25.6 Gbits/sec']
```