

○ **vagrant@ubuntu-focal:~/461_mininet\$** sudo python topos/part1.py

```
mininet> net
h1 h1-eth0:s1-eth1
h2 h2-eth0:s1-eth2
h3 h3-eth0:s1-eth3
h4 h4-eth0:s1-eth4
s1 lo: s1-eth1:h1-eth0 s1-eth2:h2-eth0 s1-eth3:h3-eth0 s1-eth4:h4-eth0
c0
```

```
mininet> iperf
```

```
*** Iperf: testing TCP bandwidth between h1 and h4
```

```
*** Results: ['30.3 Gbits/sec', '30.4 Gbits/sec']
```

```
mininet> dump
```

```
<Host h1: h1-eth0:10.0.0.1 pid=17949>
```

```
<Host h2: h2-eth0:10.0.0.2 pid=17951>
```

```
<Host h3: h3-eth0:10.0.0.3 pid=17955>
```

```
<Host h4: h4-eth0:10.0.0.4 pid=17957>
```

```
<OVSSwitch s1: lo:127.0.0.1,s1-eth1:None,s1-eth2:None,s1-eth3:None,s1-eth4:None pid=17962>
```

```
<Controller c0: 127.0.0.1:6653 pid=17942>
```

```
mininet> pingall
```

```
*** Ping: testing ping reachability
```

```
h1 -> h2 h3 h4
```

```
h2 -> h1 h3 h4
```

```
h3 -> h1 h2 h4
```

```
h4 -> h1 h2 h3
```

```
*** Results: 0% dropped (12/12 received)
```

```
mininet>
```