

Terminal-1

```
dubuntu@dubuntu:~/pox$ sudo ./pox.py openflow.discovery openflow.nicira --convert-packet-in  
log.level --WARNING forwarding.multitrunkpox12
```

```
POX 0.7.0 (gar) / Copyright 2011-2020 James McCauley, et al.
```

```
N= 1 K= 3
```

```
WARNING:version:Support for Python 3 is experimental.
```

```
handle_ConnectionUP from dpid 1 00-00-00-00-00-01
```

```
handle_ConnectionUP from dpid 6 00-00-00-00-00-06
```

```
handle_ConnectionUP from dpid 3 00-00-00-00-00-03
```

```
handle_ConnectionUP from dpid 8 00-00-00-00-00-08
```

```
handle_ConnectionUP from dpid 2 00-00-00-00-00-02
```

```
handle_ConnectionUP from dpid 7 00-00-00-00-00-07
```

```
handle_ConnectionUP from dpid 4 00-00-00-00-00-04
```

```
handle_ConnectionUP from dpid 5 00-00-00-00-00-05
```

```
adding switch connection: s6.2 <--> s8.3
```

```
adding switch connection: s1.2 <--> s7.1
```

```
adding switch connection: s3.2 <--> s7.3
```

```
adding switch connection: s2.2 <--> s7.2
```

```
adding switch connection: s1.1 <--> s4.1
```

```
adding switch connection: s3.1 <--> s6.1
```

```
adding switch connection: s4.2 <--> s8.1
```

```
adding switch connection: s5.2 <--> s8.2
```

```
adding switch connection: s2.1 <--> s5.1
```

```
Adding host connection s7.4 <---> h1 [type 86dd]
```

```
known hosts: [1]
```

```
packetIn received unknown packet from s7
```

```
unknown packet type: 34525
```

```
packetIn received ICMP packet from s1
```

```
packetIn received ICMP packet from s1
```

```
packetIn received ICMP packet from s8
```

```
Adding host connection s8.4 <---> h2 [type 0800]
```

```
known hosts: [1, 2]
```

```
packetIn received ICMP packet from s8
```

```
packetIn received ICMP packet from s7
```

```
packetIn received ICMP packet from s7
```

```
packetIn received ICMP packet from s4
```

```
packetIn received ICMP packet from s4
```

```
ERROR:packet:(dns) parsing questions: ord() expected string of length 1, but int found
```

```
ERROR:packet:(dns) parsing questions: ord() expected string of length 1, but int found
```

```
packetIn received unknown packet from s8
```

```
unknown packet type: 34525
```

```
packetIn received unknown packet from s8
```

```
unknown packet type: 34525
```

```
packetIn received unknown packet from s1
```

```
unknown packet type: 34525
```

```
packetIn received unknown packet from s8
```

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unknown packet type: 34525
```

```
packetIn received unknown packet from s7
```

```
unknown packet type: 34525
```

```
packetIn received unknown packet from s4
```

unknown packet type: 34525
packetIn received unknown packet from s7
unknown packet type: 34525
packetIn received unknown packet from s4
unknown packet type: 34525
packetIn received unknown packet from s1
unknown packet type: 34525
packetIn received unknown packet from s8
unknown packet type: 34525
packetIn received unknown packet from s7
unknown packet type: 34525
packetIn received unknown packet from s7
unknown packet type: 34525
packetIn received TCP packet from s7
adding TCP route h1 -> h2 via s3
create_path_entries: flow: (h1->h2,10.0.0.1,10.0.0.2,37652,5001)
create_path_entries: path:
h1
s7
s3
s6
s8
h2
packetIn received TCP packet from s8
adding TCP route h2 -> h1 via s1
create_path_entries: flow: (h2->h1,10.0.0.2,10.0.0.1,5001,37652)
create_path_entries: path:
h2
s8
s4
s1
s7
h1
packetIn received TCP packet from s7
adding TCP route h1 -> h2 via s1
create_path_entries: flow: (h1->h2,10.0.0.1,10.0.0.2,47224,5001)
create_path_entries: path:
h1
s7
s1
s4
s8
h2
packetIn received TCP packet from s8
adding TCP route h2 -> h1 via s1
create_path_entries: flow: (h2->h1,10.0.0.2,10.0.0.1,5001,47224)
create_path_entries: path:
h2
s8
s4
s1
s7

h1

packetIn received TCP packet from s8

adding TCP route h2 -> h1 via s1

create_path_entries: flow: (h2->h1,10.0.0.2,10.0.0.1,58410,5001)

create_path_entries: path:

h2

s8

s4

s1

s7

h1

packetIn received TCP packet from s7

adding TCP route h1 -> h2 via s2

create_path_entries: flow: (h1->h2,10.0.0.1,10.0.0.2,5001,58410)

create_path_entries: path:

h1

s7

s2

s5

s8

h2

packetIn received TCP packet from s8

adding TCP route h2 -> h1 via s1

create_path_entries: flow: (h2->h1,10.0.0.2,10.0.0.1,58426,5001)

create_path_entries: path:

h2

s8

s4

s1

s7

h1

packetIn received TCP packet from s7

adding TCP route h1 -> h2 via s3

create_path_entries: flow: (h1->h2,10.0.0.1,10.0.0.2,5001,58426)

create_path_entries: path:

h1

s7

s3

s6

s8

h2

packetIn received unknown packet from s7

unknown packet type: 34525

packetIn received unknown packet from s8

unknown packet type: 34525

```
Activities Terminal Apr 7 14:30 dubuntu@dubuntu: ~/pox
packetIn received unknown packet from s7
unknown packet type: 34525
packetIn received TCP packet from s7
adding TCP route h1 -> h2 via s1
create_path_entries: flow: (h1->h2,10.0.0.1,10.0.0.2,60328,5001)
create_path_entries: path:
h1
s7
s1
s4
s8
h2
packetIn received TCP packet from s8
adding TCP route h2 -> h1 via s1
create_path_entries: flow: (h2->h1,10.0.0.2,10.0.0.1,5001,60328)
create_path_entries: path:
h2
s8
s4
s1
s7
h1
packetIn received TCP packet from s7
starting second TCP connection
**** moving TCP flow (h1->h2,10.0.0.1,10.0.0.2,60328,5001) to trunk s2 ****
adding TCP route h1 -> h2 via s2
create_path_entries: flow: (h1->h2,10.0.0.1,10.0.0.2,60332,5001)
create_path_entries: path:
h1
s7
s2
s5
s8
h2
packetIn received TCP packet from s8
adding TCP route h2 -> h1 via s1
create_path_entries: flow: (h2->h1,10.0.0.2,10.0.0.1,5001,60332)
create_path_entries: path:
h2
s8
s4
s1
s7
h1
packetIn received unknown packet from s4
unknown packet type: 34525
```

TERMINAL-2

dubuntu@dubuntu:~/Downloads\$ **sudo python2.7 multitrunmininet.py**

Unable to contact the remote controller at 127.0.0.1:6633

*** Creating network

*** Adding controller

Unable to contact the remote controller at 127.0.0.1:6653

Unable to contact the remote controller at 127.0.0.1:6633

Setting remote controller to 127.0.0.1:6653

*** Adding hosts:

h1 h2

*** Adding switches:

s1 s2 s3 s4 s5 s6 s7 s8

*** Adding links:

(20.00Mbit) (20.00Mbit) (h1, s7) (20.00Mbit) (20.00Mbit) (h2, s8) (20.00Mbit) (20.00Mbit) (s1, s4) (20.00Mbit) (20.00Mbit) (s2, s5) (20.00Mbit) (20.00Mbit) (s3, s6) (20.00Mbit) (20.00Mbit) (s7, s1) (20.00Mbit) (20.00Mbit) (s7, s2) (20.00Mbit) (20.00Mbit) (s7, s3) (20.00Mbit) (20.00Mbit) (s8, s4) (20.00Mbit) (20.00Mbit) (s8, s5) (20.00Mbit) (20.00Mbit) (s8, s6)

*** Configuring hosts

h1 h2

Unable to contact the remote controller at 127.0.0.1:6633

*** Starting controller

c0 c

*** Starting 8 switches

s1 s2 s3 s4 s5 s6 s7 s8 ... (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit)
(20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit)
(20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit) (20.00Mbit)
(20.00Mbit)

*** Starting CLI:

mininet> **h1 ping 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=0.143 ms

64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.117 ms

64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.118 ms

64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.082 ms

64 bytes from 10.0.0.2: icmp_seq=5 ttl=64 time=0.132 ms

64 bytes from 10.0.0.2: icmp_seq=6 ttl=64 time=0.096 ms

64 bytes from 10.0.0.2: icmp_seq=7 ttl=64 time=0.078 ms

64 bytes from 10.0.0.2: icmp_seq=8 ttl=64 time=0.084 ms

64 bytes from 10.0.0.2: icmp_seq=9 ttl=64 time=0.091 ms

^C

--- 10.0.0.2 ping statistics ---

9 packets transmitted, 9 received, 0% packet loss, time 8191ms

rtt min/avg/max/mdev = 0.078/0.104/0.143/0.022 ms

mininet> **net**

h1 h1-eth0:s7-eth4

h2 h2-eth0:s8-eth4

s1 lo: s1-eth1:s4-eth1 s1-eth2:s7-eth1

s2 lo: s2-eth1:s5-eth1 s2-eth2:s7-eth2

s3 lo: s3-eth1:s6-eth1 s3-eth2:s7-eth3

s4 lo: s4-eth1:s1-eth1 s4-eth2:s8-eth1

s5 lo: s5-eth1:s2-eth1 s5-eth2:s8-eth2

s6 lo: s6-eth1:s3-eth1 s6-eth2:s8-eth3

s7 lo: s7-eth1:s1-eth2 s7-eth2:s2-eth2 s7-eth3:s3-eth2 s7-eth4:h1-eth0

s8 lo: s8-eth1:s4-eth2 s8-eth2:s5-eth2 s8-eth3:s6-eth2 s8-eth4:h2-eth0

c0

c

mininet> **sh ovs-ofctl dump-flows s7**

cookie=0x0, duration=276.605s, table=0, n_packets=8, n_bytes=784,

icmp,dl_dst=00:00:00:00:00:01 actions=output:"s7-eth4",resubmit(,1)

cookie=0x0, duration=276.572s, table=0, n_packets=8, n_bytes=784,

icmp,dl_dst=00:00:00:00:00:02 actions=output:"s7-eth1",resubmit(,1)

cookie=0x0, duration=276.572s, table=0, n_packets=2, n_bytes=84, arp,dl_dst=00:00:00:00:00:01

actions=output:"s7-eth4",resubmit(,1)

cookie=0x0, duration=276.572s, table=0, n_packets=2, n_bytes=84, arp,dl_dst=00:00:00:00:00:02

actions=output:"s7-eth1",resubmit(,1)

cookie=0x0, duration=261.229s, table=0, n_packets=4, n_bytes=272,

tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10.0.0.2,tp_src=60328,tp_dst=5001 actions=output:"s7-eth1"

cookie=0x0, duration=260.212s, table=0, n_packets=3, n_bytes=206,

tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10.0.0.1,tp_src=5001,tp_dst=60328 actions=output:"s7-eth4"

cookie=0x0, duration=259.153s, table=0, n_packets=2148, n_bytes=12331472,

tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10.0.0.2,tp_src=60332,tp_dst=5001 actions=output:"s7-eth2"

```
cookie=0x0, duration=258.132s, table=0, n_packets=2007, n_bytes=132470,
tcp,dll_src=00:00:00:00:00:02,dll_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10.0.0.1,tp_src=
5001,tp_dst=60332 actions=output:"s7-eth4"
cookie=0x0, duration=282.023s, table=0, n_packets=2, n_bytes=196, priority=1,icmp
actions=FLOOD,resubmit(,1)
cookie=0x0, duration=282.023s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=FLOOD,resubmit(,1)
cookie=0x0, duration=282.023s, table=0, n_packets=183, n_bytes=8276, priority=0
actions=CONTROLLER:65535
cookie=0x0, duration=276.572s, table=1, n_packets=8, n_bytes=784,
icmp,dll_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=276.572s, table=1, n_packets=8, n_bytes=784,
icmp,dll_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=276.572s, table=1, n_packets=2, n_bytes=84, arp,dll_src=00:00:00:00:00:01
actions=drop
cookie=0x0, duration=276.572s, table=1, n_packets=2, n_bytes=84, arp,dll_src=00:00:00:00:00:02
actions=drop
cookie=0x0, duration=282.023s, table=1, n_packets=2, n_bytes=196, priority=1,icmp
actions=CONTROLLER:65535
cookie=0x0, duration=282.023s, table=1, n_packets=0, n_bytes=0, priority=1,arp
actions=CONTROLLER:65535
```

mininet> iperf h1 h2

***** Iperf: testing TCP bandwidth between h1 and h2**

***** Results: ['19.0 Mbits/sec', '19.2 Mbits/sec']**

mininet> iperf h2 h1

***** Iperf: testing TCP bandwidth between h2 and h1**

***** Results: ['18.9 Mbits/sec', '19.8 Mbits/sec']**

mininet> h1 ping 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=0.454 ms

64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.094 ms

64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.092 ms

64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.090 ms

64 bytes from 10.0.0.2: icmp_seq=5 ttl=64 time=0.088 ms

64 bytes from 10.0.0.2: icmp_seq=6 ttl=64 time=0.099 ms

64 bytes from 10.0.0.2: icmp_seq=7 ttl=64 time=0.089 ms

64 bytes from 10.0.0.2: icmp_seq=8 ttl=64 time=0.116 ms

64 bytes from 10.0.0.2: icmp_seq=9 ttl=64 time=0.084 ms

^C

--- 10.0.0.2 ping statistics ---

9 packets transmitted, 9 received, 0% packet loss, time 8186ms

rtt min/avg/max/mdev = 0.084/0.134/0.454/0.113 ms

mininet>

```
Activities Terminal Apr 7 14:35 dubuntu@dubuntu: ~/Downloads

64 bytes from 10.0.0.2: icmp_seq=71 ttl=64 time=0.115 ms
64 bytes from 10.0.0.2: icmp_seq=72 ttl=64 time=0.088 ms
64 bytes from 10.0.0.2: icmp_seq=73 ttl=64 time=0.094 ms
64 bytes from 10.0.0.2: icmp_seq=74 ttl=64 time=0.114 ms
^C
--- 10.0.0.2 ping statistics ---
74 packets transmitted, 74 received, 0% packet loss, time 74723ms
rtt min/avg/max/mdev = 0.074/0.126/2.223/0.245 ms
mininet> iperf h1 h2
*** Iperf: testing TCP bandwidth between h1 and h2
*** Results: ['19.0 Mbits/sec', '19.2 Mbits/sec']
mininet> iperf h2 h1
*** Iperf: testing TCP bandwidth between h2 and h1
*** Results: ['18.9 Mbits/sec', '19.8 Mbits/sec']
mininet> h1 ping 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=0.454 ms
64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.094 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.092 ms
64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.090 ms
64 bytes from 10.0.0.2: icmp_seq=5 ttl=64 time=0.088 ms
64 bytes from 10.0.0.2: icmp_seq=6 ttl=64 time=0.099 ms
64 bytes from 10.0.0.2: icmp_seq=7 ttl=64 time=0.089 ms
64 bytes from 10.0.0.2: icmp_seq=8 ttl=64 time=0.116 ms
64 bytes from 10.0.0.2: icmp_seq=9 ttl=64 time=0.084 ms
^C
--- 10.0.0.2 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8186ms
rtt min/avg/max/mdev = 0.084/0.134/0.454/0.113 ms
mininet> nodes
available nodes are:
c c0 h1 h2 s1 s2 s3 s4 s5 s6 s7 s8
mininet> links
h1-eth0<->s7-eth4 (OK OK)
h2-eth0<->s8-eth4 (OK OK)
s1-eth1<->s4-eth1 (OK OK)
s2-eth1<->s5-eth1 (OK OK)
s3-eth1<->s6-eth1 (OK OK)
s7-eth1<->s1-eth2 (OK OK)
s7-eth2<->s2-eth2 (OK OK)
s7-eth3<->s3-eth2 (OK OK)
s8-eth1<->s4-eth2 (OK OK)
s8-eth2<->s5-eth2 (OK OK)
s8-eth3<->s6-eth2 (OK OK)
mininet> 
```

```
Activities Terminal Apr 7 14:34 dubuntu@dubuntu: ~/pox dubuntu@dubuntu: ~/Downloads

th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
packetIn received UDP packet from s7
unknown packet type: 34525
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
packetIn received UDP packet from s7
unknown packet type: 34525
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
packetIn received UDP packet from s7
unknown packet type: 34525
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
packetIn received UDP packet from s4
unknown packet type: 34525
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
packetIn received UDP packet from s4
unknown packet type: 34525
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
ERROR:packet:(dns) parsing questions: ord() expected string of leng
th 1, but int found
packetIn received unknown packet from s8
unknown packet type: 34525
packetIn received unknown packet from s8
unknown packet type: 34525
mininet> 
```

```
64 bytes from 10.0.0.2: icmp_seq=43 ttl=64 time=0.115 ms
64 bytes from 10.0.0.2: icmp_seq=44 ttl=64 time=0.088 ms
64 bytes from 10.0.0.2: icmp_seq=45 ttl=64 time=0.085 ms
64 bytes from 10.0.0.2: icmp_seq=46 ttl=64 time=0.110 ms
64 bytes from 10.0.0.2: icmp_seq=47 ttl=64 time=0.148 ms
64 bytes from 10.0.0.2: icmp_seq=48 ttl=64 time=0.087 ms
64 bytes from 10.0.0.2: icmp_seq=49 ttl=64 time=0.089 ms
64 bytes from 10.0.0.2: icmp_seq=50 ttl=64 time=0.115 ms
64 bytes from 10.0.0.2: icmp_seq=51 ttl=64 time=0.115 ms
64 bytes from 10.0.0.2: icmp_seq=52 ttl=64 time=0.090 ms
64 bytes from 10.0.0.2: icmp_seq=53 ttl=64 time=0.115 ms
64 bytes from 10.0.0.2: icmp_seq=54 ttl=64 time=0.094 ms
64 bytes from 10.0.0.2: icmp_seq=55 ttl=64 time=0.089 ms
64 bytes from 10.0.0.2: icmp_seq=56 ttl=64 time=0.116 ms
64 bytes from 10.0.0.2: icmp_seq=57 ttl=64 time=0.107 ms
64 bytes from 10.0.0.2: icmp_seq=58 ttl=64 time=0.088 ms
64 bytes from 10.0.0.2: icmp_seq=59 ttl=64 time=0.091 ms
64 bytes from 10.0.0.2: icmp_seq=60 ttl=64 time=0.117 ms
64 bytes from 10.0.0.2: icmp_seq=61 ttl=64 time=0.090 ms
64 bytes from 10.0.0.2: icmp_seq=62 ttl=64 time=0.086 ms
64 bytes from 10.0.0.2: icmp_seq=63 ttl=64 time=0.110 ms
64 bytes from 10.0.0.2: icmp_seq=64 ttl=64 time=0.092 ms
64 bytes from 10.0.0.2: icmp_seq=65 ttl=64 time=0.088 ms
64 bytes from 10.0.0.2: icmp_seq=66 ttl=64 time=0.092 ms
64 bytes from 10.0.0.2: icmp_seq=67 ttl=64 time=0.113 ms
64 bytes from 10.0.0.2: icmp_seq=68 ttl=64 time=0.099 ms
64 bytes from 10.0.0.2: icmp_seq=69 ttl=64 time=0.110 ms
64 bytes from 10.0.0.2: icmp_seq=70 ttl=64 time=0.114 ms
64 bytes from 10.0.0.2: icmp_seq=71 ttl=64 time=0.115 ms
64 bytes from 10.0.0.2: icmp_seq=72 ttl=64 time=0.088 ms
64 bytes from 10.0.0.2: icmp_seq=73 ttl=64 time=0.094 ms
64 bytes from 10.0.0.2: icmp_seq=74 ttl=64 time=0.114 ms
^C
--- 10.0.0.2 ping statistics ---
74 packets transmitted, 74 received, 0% packet loss, time 74723ms
rtt min/avg/max/mdev = 0.074/0.126/2.223/0.245 ms
mininet> iperf h1 h2
*** Iperf: testing TCP bandwidth between h1 and h2
*** Results: ['19.0 Mbits/sec', '19.2 Mbits/sec']
mininet> iperf h2 h1
*** Iperf: testing TCP bandwidth between h2 and h1
*** Results: ['18.9 Mbits/sec', '19.8 Mbits/sec']
mininet> 
```


dump-flows on routers in path:

mininet> **sh ovs-ofctl dump-flows s8**

```
cookie=0x0, duration=1767.133s, table=0, n_packets=146, n_bytes=14308,
icmp,dl_dst=00:00:00:00:00:01 actions=output:"s8-eth1",resubmit(,1)
cookie=0x0, duration=1767.117s, table=0, n_packets=146, n_bytes=14308,
icmp,dl_dst=00:00:00:00:00:02 actions=output:"s8-eth4",resubmit(,1)
cookie=0x0, duration=1767.125s, table=0, n_packets=12, n_bytes=504,
arp,dl_dst=00:00:00:00:00:01 actions=output:"s8-eth1",resubmit(,1)
cookie=0x0, duration=1767.117s, table=0, n_packets=12, n_bytes=504,
arp,dl_dst=00:00:00:00:00:02 actions=output:"s8-eth4",resubmit(,1)
cookie=0x0, duration=1751.743s, table=0, n_packets=4, n_bytes=272,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=60328,tp_dst=5001 actions=output:"s8-eth4"
cookie=0x0, duration=1750.724s, table=0, n_packets=3, n_bytes=206,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=60328 actions=output:"s8-eth1"
cookie=0x0, duration=1749.663s, table=0, n_packets=2148, n_bytes=12331472,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=60332,tp_dst=5001 actions=output:"s8-eth4"
cookie=0x0, duration=1748.643s, table=0, n_packets=2007, n_bytes=132470,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=60332 actions=output:"s8-eth1"
cookie=0x0, duration=853.305s, table=0, n_packets=4, n_bytes=272,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=37652,tp_dst=5001 actions=output:"s8-eth4"
cookie=0x0, duration=852.290s, table=0, n_packets=3, n_bytes=206,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=37652 actions=output:"s8-eth1"
cookie=0x0, duration=851.249s, table=0, n_packets=2176, n_bytes=12202248,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=47224,tp_dst=5001 actions=output:"s8-eth4"
cookie=0x0, duration=850.244s, table=0, n_packets=1984, n_bytes=130952,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=47224 actions=output:"s8-eth1"
cookie=0x0, duration=830.164s, table=0, n_packets=4, n_bytes=272,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=58410,tp_dst=5001 actions=output:"s8-eth1"
cookie=0x0, duration=829.156s, table=0, n_packets=3, n_bytes=206,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=5001,tp_dst=58410 actions=output:"s8-eth4"
cookie=0x0, duration=828.096s, table=0, n_packets=1290, n_bytes=12536988,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=58426,tp_dst=5001 actions=output:"s8-eth1"
```



```
cookie=0x0, duration=827.075s, table=0, n_packets=1186, n_bytes=78284,  
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10  
.0.0.2,tp_src=5001,tp_dst=58426 actions=output:"s8-eth4"  
cookie=0x0, duration=1772.535s, table=0, n_packets=2, n_bytes=196,  
priority=1,icmp actions=FLOOD,resubmit(,1)  
cookie=0x0, duration=1772.535s, table=0, n_packets=0, n_bytes=0, priority=1,arp  
actions=FLOOD,resubmit(,1)  
cookie=0x0, duration=1772.535s, table=0, n_packets=1124, n_bytes=51895,  
priority=0 actions=CONTROLLER:65535  
cookie=0x0, duration=1767.125s, table=1, n_packets=146, n_bytes=14308,  
icmp,d_l_src=00:00:00:00:00:01 actions=drop  
cookie=0x0, duration=1767.117s, table=1, n_packets=146, n_bytes=14308,  
icmp,d_l_src=00:00:00:00:00:02 actions=drop  
cookie=0x0, duration=1767.125s, table=1, n_packets=12, n_bytes=504,  
arp,d_l_src=00:00:00:00:00:01 actions=drop  
cookie=0x0, duration=1767.117s, table=1, n_packets=12, n_bytes=504,  
arp,d_l_src=00:00:00:00:00:02 actions=drop  
cookie=0x0, duration=1772.535s, table=1, n_packets=2, n_bytes=196,  
priority=1,icmp actions=CONTROLLER:65535  
cookie=0x0, duration=1772.535s, table=1, n_packets=0, n_bytes=0, priority=1,arp  
actions=CONTROLLER:65535
```

mininet> **sh ovs-ofctl dump-flows s1**

```
cookie=0x0, duration=1785.407s, table=0, n_packets=147, n_bytes=14406,  
icmp,d_l_dst=00:00:00:00:00:01 actions=output:"s1-eth2",resubmit(,1)  
cookie=0x0, duration=1785.407s, table=0, n_packets=147, n_bytes=14406,  
icmp,d_l_dst=00:00:00:00:00:02 actions=output:"s1-eth1",resubmit(,1)  
cookie=0x0, duration=1785.407s, table=0, n_packets=12, n_bytes=504,  
arp,d_l_dst=00:00:00:00:00:01 actions=output:"s1-eth2",resubmit(,1)  
cookie=0x0, duration=1785.407s, table=0, n_packets=12, n_bytes=504,  
arp,d_l_dst=00:00:00:00:00:02 actions=output:"s1-eth1",resubmit(,1)  
cookie=0x0, duration=1770.008s, table=0, n_packets=4, n_bytes=272,  
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10  
.0.0.2,tp_src=60328,tp_dst=5001 actions=output:"s1-eth1"  
cookie=0x0, duration=1768.992s, table=0, n_packets=3, n_bytes=206,  
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10  
.0.0.1,tp_src=5001,tp_dst=60328 actions=output:"s1-eth2"  
cookie=0x0, duration=1766.911s, table=0, n_packets=2007, n_bytes=132470,  
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10  
.0.0.1,tp_src=5001,tp_dst=60332 actions=output:"s1-eth2"  
cookie=0x0, duration=870.558s, table=0, n_packets=3, n_bytes=206,  
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10  
.0.0.1,tp_src=5001,tp_dst=37652 actions=output:"s1-eth2"  
cookie=0x0, duration=869.517s, table=0, n_packets=2176, n_bytes=12202248,  
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10  
.0.0.2,tp_src=47224,tp_dst=5001 actions=output:"s1-eth1"
```

```
cookie=0x0, duration=868.512s, table=0, n_packets=1984, n_bytes=130952,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=47224 actions=output:"s1-eth2"
cookie=0x0, duration=848.432s, table=0, n_packets=4, n_bytes=272,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=58410,tp_dst=5001 actions=output:"s1-eth2"
cookie=0x0, duration=846.364s, table=0, n_packets=1290, n_bytes=12536988,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=58426,tp_dst=5001 actions=output:"s1-eth2"
cookie=0x0, duration=1790.804s, table=0, n_packets=0, n_bytes=0, priority=1,icmp
actions=FLOOD,resubmit(1)
cookie=0x0, duration=1790.803s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=FLOOD,resubmit(1)
cookie=0x0, duration=1790.803s, table=0, n_packets=751, n_bytes=34446,
priority=0 actions=CONTROLLER:65535
cookie=0x0, duration=1785.407s, table=1, n_packets=147, n_bytes=14406,
icmp,d_l_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=1785.407s, table=1, n_packets=147, n_bytes=14406,
icmp,d_l_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=1785.407s, table=1, n_packets=12, n_bytes=504,
arp,d_l_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=1785.407s, table=1, n_packets=12, n_bytes=504,
arp,d_l_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=1790.803s, table=1, n_packets=0, n_bytes=0, priority=1,icmp
actions=CONTROLLER:65535
cookie=0x0, duration=1790.803s, table=1, n_packets=0, n_bytes=0, priority=1,arp
actions=CONTROLLER:65535
```

mininet> **sh ovs-ofctl dump-flows s5**

```
cookie=0x0, duration=1772.028s, table=0, n_packets=2148, n_bytes=12331472,
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=60332,tp_dst=5001 actions=output:"s5-eth2"
cookie=0x0, duration=851.521s, table=0, n_packets=3, n_bytes=206,
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=5001,tp_dst=58410 actions=output:"s5-eth2"
cookie=0x0, duration=1794.896s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=resubmit(1)
cookie=0x0, duration=1794.896s, table=0, n_packets=2, n_bytes=196,
priority=1,icmp actions=resubmit(1)
cookie=0x0, duration=1794.896s, table=1, n_packets=2, n_bytes=196,
priority=1,icmp actions=CONTROLLER:65535
cookie=0x0, duration=1794.896s, table=1, n_packets=0, n_bytes=0, priority=1,arp
actions=CONTROLLER:65535
```

mininet> **sh ovs-ofctl dump-flows s6**

```

cookie=0x0, duration=878.552s, table=0, n_packets=4, n_bytes=272,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=37652,tp_dst=5001 actions=output:"s6-eth2"
cookie=0x0, duration=852.322s, table=0, n_packets=1186, n_bytes=78284,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=5001,tp_dst=58426 actions=output:"s6-eth2"
cookie=0x0, duration=1797.782s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=resubmit(,1)
cookie=0x0, duration=1797.782s, table=0, n_packets=2, n_bytes=196,
priority=1,icmp actions=resubmit(,1)
cookie=0x0, duration=1797.782s, table=1, n_packets=2, n_bytes=196,
priority=1,icmp actions=CONTROLLER:65535
cookie=0x0, duration=1797.782s, table=1, n_packets=0, n_bytes=0, priority=1,arp
actions=CONTROLLER:65535
mininet> sh ovs-ofctl dump-flows s2
cookie=0x0, duration=1789.101s, table=0, n_packets=2148, n_bytes=12331472,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=60332,tp_dst=5001 actions=output:"s2-eth1"
cookie=0x0, duration=868.594s, table=0, n_packets=3, n_bytes=206,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=5001,tp_dst=58410 actions=output:"s2-eth1"
cookie=0x0, duration=1811.972s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=resubmit(,1)
cookie=0x0, duration=1811.972s, table=0, n_packets=2, n_bytes=196,
priority=1,icmp actions=resubmit(,1)
cookie=0x0, duration=1811.972s, table=1, n_packets=2, n_bytes=196,
priority=1,icmp actions=CONTROLLER:65535
cookie=0x0, duration=1811.972s, table=1, n_packets=0, n_bytes=0, priority=1,arp
actions=CONTROLLER:65535
mininet> sh ovs-ofctl dump-flows s4
cookie=0x0, duration=1809.872s, table=0, n_packets=146, n_bytes=14308,
icmp,dl_dst=00:00:00:00:00:01 actions=output:"s4-eth1",resubmit(,1)
cookie=0x0, duration=1809.868s, table=0, n_packets=146, n_bytes=14308,
icmp,dl_dst=00:00:00:00:00:02 actions=output:"s4-eth2",resubmit(,1)
cookie=0x0, duration=1809.871s, table=0, n_packets=12, n_bytes=504,
arp,dl_dst=00:00:00:00:00:01 actions=output:"s4-eth1",resubmit(,1)
cookie=0x0, duration=1809.857s, table=0, n_packets=12, n_bytes=504,
arp,dl_dst=00:00:00:00:00:02 actions=output:"s4-eth2",resubmit(,1)
cookie=0x0, duration=1794.498s, table=0, n_packets=4, n_bytes=272,
tcp,dl_src=00:00:00:00:00:01,dl_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=60328,tp_dst=5001 actions=output:"s4-eth2"
cookie=0x0, duration=1793.481s, table=0, n_packets=3, n_bytes=206,
tcp,dl_src=00:00:00:00:00:02,dl_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=60328 actions=output:"s4-eth1"

```

```

cookie=0x0, duration=1791.401s, table=0, n_packets=2007, n_bytes=132470,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=60332 actions=output:"s4-eth1"
cookie=0x0, duration=895.048s, table=0, n_packets=3, n_bytes=206,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=37652 actions=output:"s4-eth1"
cookie=0x0, duration=894.007s, table=0, n_packets=2176, n_bytes=12202248,
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=47224,tp_dst=5001 actions=output:"s4-eth2"
cookie=0x0, duration=893.002s, table=0, n_packets=1984, n_bytes=130952,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=5001,tp_dst=47224 actions=output:"s4-eth1"
cookie=0x0, duration=872.922s, table=0, n_packets=4, n_bytes=272,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=58410,tp_dst=5001 actions=output:"s4-eth1"
cookie=0x0, duration=870.854s, table=0, n_packets=1290, n_bytes=12536988,
tcp,d_l_src=00:00:00:00:00:02,d_l_dst=00:00:00:00:00:01,nw_src=10.0.0.2,nw_dst=10
.0.0.1,tp_src=58426,tp_dst=5001 actions=output:"s4-eth1"
cookie=0x0, duration=1815.291s, table=0, n_packets=2, n_bytes=196,
priority=1,icmp actions=FLOOD,resubmit(,1)
cookie=0x0, duration=1815.291s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=FLOOD,resubmit(,1)
cookie=0x0, duration=1815.291s, table=0, n_packets=757, n_bytes=34663,
priority=0 actions=CONTROLLER:65535
cookie=0x0, duration=1809.872s, table=1, n_packets=146, n_bytes=14308,
icmp,d_l_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=1809.858s, table=1, n_packets=146, n_bytes=14308,
icmp,d_l_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=1809.871s, table=1, n_packets=12, n_bytes=504,
arp,d_l_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=1809.857s, table=1, n_packets=12, n_bytes=504,
arp,d_l_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=1815.291s, table=1, n_packets=2, n_bytes=196,
priority=1,icmp actions=CONTROLLER:65535
cookie=0x0, duration=1815.291s, table=1, n_packets=0, n_bytes=0, priority=1,arp
actions=CONTROLLER:65535
mininet> sh ovs-ofctl dump-flows s3
cookie=0x0, duration=900.563s, table=0, n_packets=4, n_bytes=272,
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=37652,tp_dst=5001 actions=output:"s3-eth1"
cookie=0x0, duration=874.333s, table=0, n_packets=1186, n_bytes=78284,
tcp,d_l_src=00:00:00:00:00:01,d_l_dst=00:00:00:00:00:02,nw_src=10.0.0.1,nw_dst=10
.0.0.2,tp_src=5001,tp_dst=58426 actions=output:"s3-eth1"
cookie=0x0, duration=1819.793s, table=0, n_packets=0, n_bytes=0, priority=1,arp
actions=resubmit(,1)

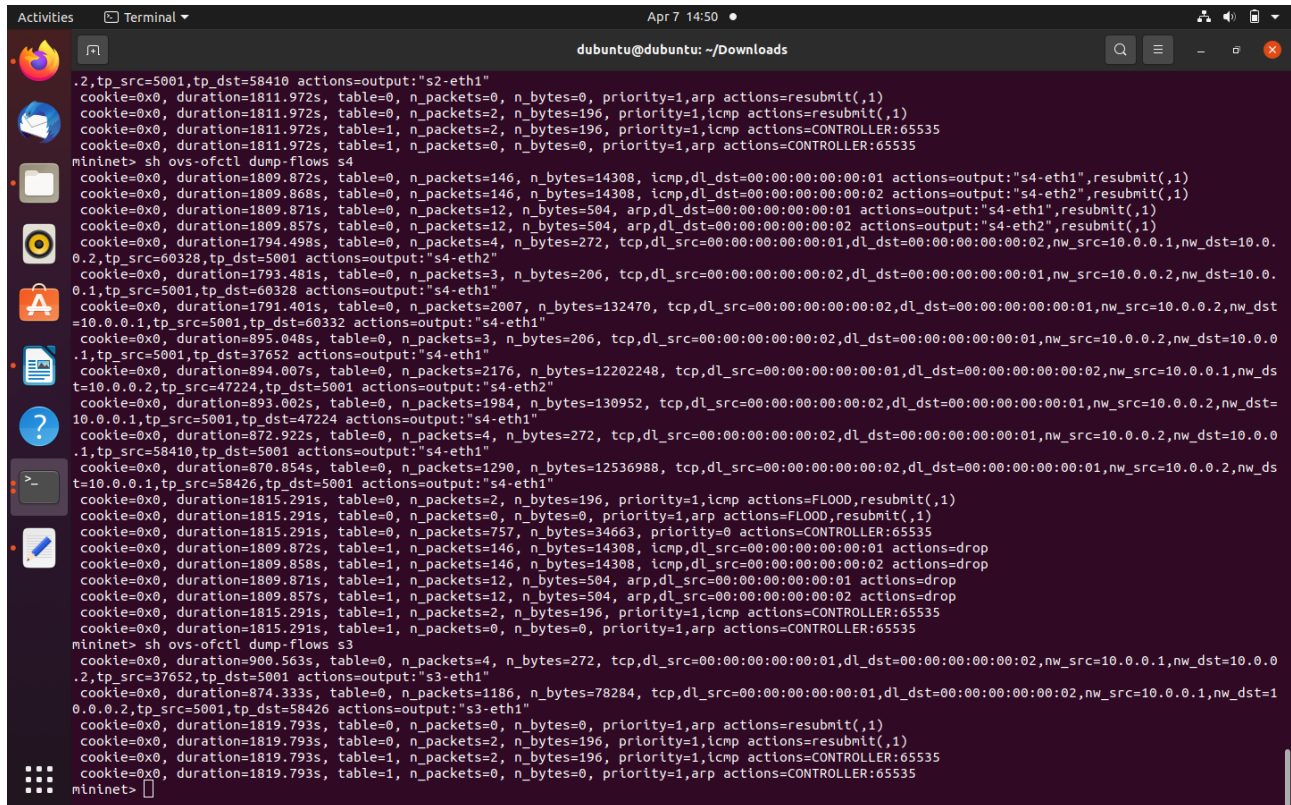
```

cookie=0x0, duration=1819.793s, table=0, n_packets=2, n_bytes=196, priority=1, icmp actions=resubmit(,1)

cookie=0x0, duration=1819.793s, table=1, n_packets=2, n_bytes=196, priority=1, icmp actions=CONTROLLER:65535

cookie=0x0, duration=1819.793s, table=1, n_packets=0, n_bytes=0, priority=1, arp actions=CONTROLLER:65535

mininet>



```
Activities Terminal Apr 7 14:50 dubuntu@dubuntu: ~/Downloads
.2, tp_src=5001, tp_dst=58410 actions=output:"s2-eth1"
cookie=0x0, duration=1811.972s, table=0, n_packets=0, n_bytes=0, priority=1, arp actions=resubmit(,1)
cookie=0x0, duration=1811.972s, table=0, n_packets=2, n_bytes=196, priority=1, icmp actions=resubmit(,1)
cookie=0x0, duration=1811.972s, table=1, n_packets=2, n_bytes=196, priority=1, icmp actions=CONTROLLER:65535
cookie=0x0, duration=1811.972s, table=1, n_packets=0, n_bytes=0, priority=1, arp actions=CONTROLLER:65535
mininet> sh ovs-ofctl dump-flows s4
cookie=0x0, duration=1809.872s, table=0, n_packets=146, n_bytes=14308, icmp, dl_dst=00:00:00:00:00:01 actions=output:"s4-eth1", resubmit(,1)
cookie=0x0, duration=1809.868s, table=0, n_packets=146, n_bytes=14308, icmp, dl_dst=00:00:00:00:00:02 actions=output:"s4-eth2", resubmit(,1)
cookie=0x0, duration=1809.871s, table=0, n_packets=12, n_bytes=504, arp, dl_dst=00:00:00:00:00:01 actions=output:"s4-eth1", resubmit(,1)
cookie=0x0, duration=1809.857s, table=0, n_packets=12, n_bytes=504, arp, dl_dst=00:00:00:00:00:02 actions=output:"s4-eth2", resubmit(,1)
cookie=0x0, duration=1794.498s, table=0, n_packets=4, n_bytes=272, tcp, dl_src=00:00:00:00:00:01, dl_dst=00:00:00:00:00:02, nw_src=10.0.0.1, nw_dst=10.0.0.2, tp_src=60328, tp_dst=5001 actions=output:"s4-eth2"
cookie=0x0, duration=1793.481s, table=0, n_packets=3, n_bytes=206, tcp, dl_src=00:00:00:00:00:02, dl_dst=00:00:00:00:00:01, nw_src=10.0.0.2, nw_dst=10.0.0.1, tp_src=5001, tp_dst=60332 actions=output:"s4-eth1"
cookie=0x0, duration=1791.401s, table=0, n_packets=2007, n_bytes=132470, tcp, dl_src=00:00:00:00:00:02, dl_dst=00:00:00:00:00:01, nw_src=10.0.0.2, nw_dst=10.0.0.1, tp_src=5001, tp_dst=37652 actions=output:"s4-eth1"
cookie=0x0, duration=895.048s, table=0, n_packets=3, n_bytes=206, tcp, dl_src=00:00:00:00:00:02, dl_dst=00:00:00:00:00:01, nw_src=10.0.0.2, nw_dst=10.0.0.1, tp_src=5001, tp_dst=37652 actions=output:"s4-eth1"
cookie=0x0, duration=894.007s, table=0, n_packets=2176, n_bytes=12202248, tcp, dl_src=00:00:00:00:00:01, dl_dst=00:00:00:00:00:02, nw_src=10.0.0.1, nw_dst=10.0.0.2, tp_src=47224, tp_dst=5001 actions=output:"s4-eth2"
cookie=0x0, duration=893.002s, table=0, n_packets=1984, n_bytes=130952, tcp, dl_src=00:00:00:00:00:02, dl_dst=00:00:00:00:00:01, nw_src=10.0.0.2, nw_dst=10.0.0.1, tp_src=5001, tp_dst=47224 actions=output:"s4-eth1"
cookie=0x0, duration=872.922s, table=0, n_packets=4, n_bytes=272, tcp, dl_src=00:00:00:00:00:02, dl_dst=00:00:00:00:00:01, nw_src=10.0.0.2, nw_dst=10.0.0.1, tp_src=58410, tp_dst=5001 actions=output:"s4-eth1"
cookie=0x0, duration=870.854s, table=0, n_packets=1290, n_bytes=12536988, tcp, dl_src=00:00:00:00:00:02, dl_dst=00:00:00:00:00:01, nw_src=10.0.0.2, nw_dst=10.0.0.1, tp_src=58426, tp_dst=5001 actions=output:"s4-eth1"
cookie=0x0, duration=1815.291s, table=0, n_packets=2, n_bytes=196, priority=1, icmp actions=FLOOD, resubmit(,1)
cookie=0x0, duration=1815.291s, table=0, n_packets=0, n_bytes=0, priority=1, arp actions=FLOOD, resubmit(,1)
cookie=0x0, duration=1815.291s, table=0, n_packets=757, n_bytes=34663, priority=0 actions=CONTROLLER:65535
cookie=0x0, duration=1809.872s, table=1, n_packets=146, n_bytes=14308, icmp, dl_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=1809.858s, table=1, n_packets=146, n_bytes=14308, icmp, dl_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=1809.871s, table=1, n_packets=12, n_bytes=504, arp, dl_src=00:00:00:00:00:01 actions=drop
cookie=0x0, duration=1809.857s, table=1, n_packets=12, n_bytes=504, arp, dl_src=00:00:00:00:00:02 actions=drop
cookie=0x0, duration=1815.291s, table=1, n_packets=2, n_bytes=196, priority=1, icmp actions=CONTROLLER:65535
cookie=0x0, duration=1815.291s, table=1, n_packets=0, n_bytes=0, priority=1, arp actions=CONTROLLER:65535
mininet> sh ovs-ofctl dump-flows s3
cookie=0x0, duration=900.563s, table=0, n_packets=4, n_bytes=272, tcp, dl_src=00:00:00:00:00:01, dl_dst=00:00:00:00:00:02, nw_src=10.0.0.1, nw_dst=10.0.0.2, tp_src=37652, tp_dst=5001 actions=output:"s3-eth1"
cookie=0x0, duration=874.333s, table=0, n_packets=1186, n_bytes=78284, tcp, dl_src=00:00:00:00:00:01, dl_dst=00:00:00:00:00:02, nw_src=10.0.0.1, nw_dst=10.0.0.2, tp_src=5001, tp_dst=58426 actions=output:"s3-eth1"
cookie=0x0, duration=1819.793s, table=0, n_packets=0, n_bytes=0, priority=1, arp actions=resubmit(,1)
cookie=0x0, duration=1819.793s, table=0, n_packets=2, n_bytes=196, priority=1, icmp actions=resubmit(,1)
cookie=0x0, duration=1819.793s, table=1, n_packets=2, n_bytes=196, priority=1, icmp actions=CONTROLLER:65535
cookie=0x0, duration=1819.793s, table=1, n_packets=0, n_bytes=0, priority=1, arp actions=CONTROLLER:65535
mininet>
```