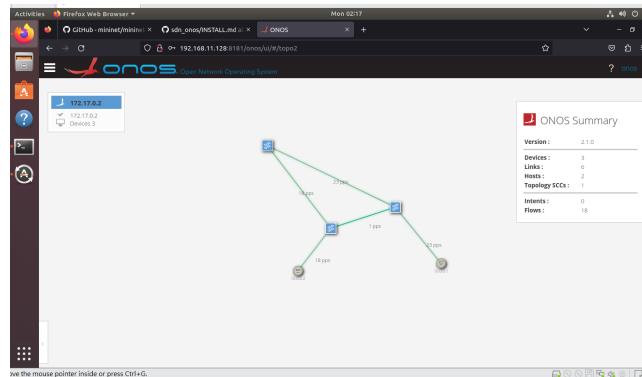


1027 Reading

葉富銘 r13922146

1 ONOS GUI topology

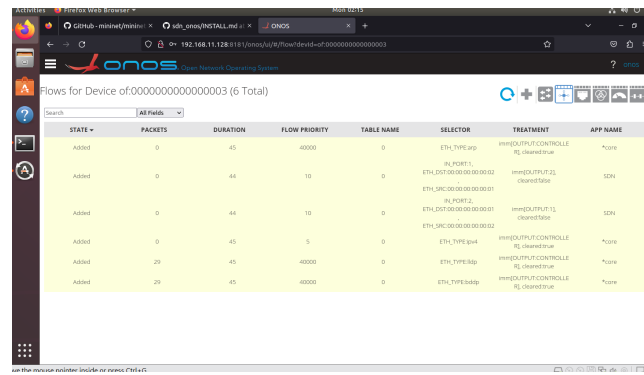


2 Successful ping

Flows for Device of:0000000000000003 (6 Total)

```
fffuuuming@ubuntu: ~/mininet/custom
fffuuuming@ubuntu:~/mininet/custom$ sudo mn --mac --custom mytopo.py --topo mytopo --
controller=remote,ip=172.17.0.2,port=6653
[sudo] password for fffuuuming:
*** Creating network
*** Adding controller
*** Adding hosts:
h1 h2
*** Adding switches:
s1 s2 s3
*** Adding links:
(h1, s2) (s1, s3) (s2, s1) (s2, s3) (s3, h2)
*** Configuring hosts
h1 h2
*** Starting controller
c0
*** Starting 3 switches
s1 s2 s3 ...
*** Starting CLI:
mininet> pingall
*** Ping: testing ping reachability
h1 -> h2
h2 -> h1
*** Results: 0% dropped (2/2 received)
mininet>
```

3 Switch s3 forwarding table



The screenshot shows the ONOS Flow Monitor web interface. The title bar indicates the device ID is 'of:000000000000000003'. The main content area displays a table of flow statistics. The table has columns for STATE, PACKETS, DURATION, FLOW PRIORITY, TABLE NAME, SELECTOR, TREATMENT, and APP NAME. There are 6 rows of data, all with a state of 'Added'. The flows are associated with various tables and selectors, including 'ETH_7TYPEarp', 'IP_PORT1', 'ETH_2DST', 'IP_PORT2', 'ETH_2DST', 'ETH_7TYPEip4', 'ETH_7TYPE8dp', and 'ETH_7TYPE8dpp'. The treatments involve 'IP_OUTPUT_CONTROLLED' and 'clearState'. The app names are 'fcore' and 'SDN'.

STATE	PACKETS	DURATION	FLOW PRIORITY	TABLE NAME	SELECTOR	TREATMENT	APP NAME
Added	0	45	40000	0	ETH_7TYPEarp	IP_OUTPUT_CONTROLLED fcoreState	fcore
Added	0	44	10	0	IP_PORT1 ETH_2DST:00:00:00:00:00:02	IP_OUTPUT_2L clearState	SDN
Added	0	44	10	0	IP_PORT2 ETH_2DST:00:00:00:00:00:01	IP_OUTPUT_1L clearState	SDN
Added	0	45	5	0	ETH_7TYPEip4	IP_OUTPUT_CONTROLLED fcoreState	fcore
Added	29	45	40000	0	ETH_7TYPE8dp	IP_OUTPUT_CONTROLLED fcoreState	fcore
Added	29	45	40000	0	ETH_7TYPE8dpp	IP_OUTPUT_CONTROLLED fcoreState	fcore