Route路由实验

修改faucet配置

1. 编辑~/workspace/dockeretc/faucet/faucet.yaml

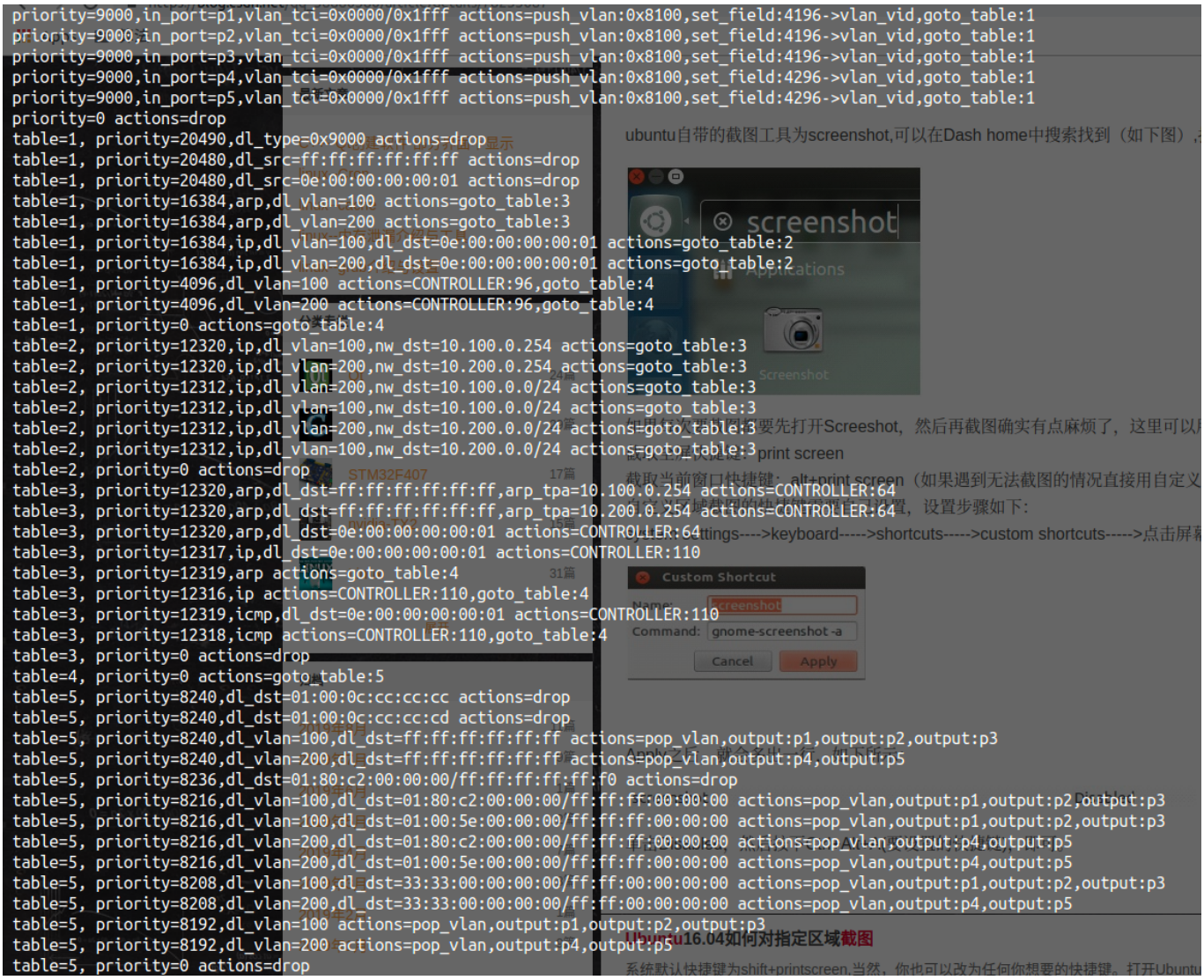
```
dps:
    switch-1:
        dp_id: 0x1
        timeout: 3600
        arp_neighbor_timeout: 3600
        interfaces:
            1:
                native_vlan: 100
            2:
                native_vlan: 100
            3:
                native_vlan: 100
            4:
                native_vlan: 200
            5:
                native_vlan: 200
vlans:
    100:
        faucet_vips: ["10.100.0.254/24"]
    200:
        faucet_vips: ["10.200.0.254/24"]
routers:
    router-1:
        vlans: [100, 200]
```

2. 重启faucet容器

```
docker restart faucet
```

查看此时流表

```
root@node1-debian9:~# ./dumps-flows br1
```



可以发现增加了arp协议相关内容如：

```
+ table=1, priority=16384,arp,dl_vlan=100 actions=goto_table:3
+ table=1, priority=16384,arp,dl_vlan=200 actions=goto_table:3
+ table=3, priority=12320,arp,dl_dst=ff:ff:ff:ff:ff:ff,arp_tpa=10.100.0.254
actions=CONTROLLER:64
+ table=3, priority=12320,arp,dl_dst=ff:ff:ff:ff:ff:ff,arp_tpa=10.200.0.254
actions=CONTROLLER:64
+ table=3, priority=12320,arp,dl_dst=0e:00:00:00:00:01
actions=CONTROLLER:64
+ table=3, priority=12319,arp actions=goto_table:4
```

此外增加了ip协议相关内容

```
+ table=1, priority=16384,ip,dl_vlan=100,dl_dst=0e:00:00:00:00:01
actions=goto_table:2
+ table=1, priority=16384,ip,dl_vlan=200,dl_dst=0e:00:00:00:00:01
actions=goto_table:2
+ table=2, priority=12320,ip,dl_vlan=100,nw_dst=10.100.0.254
actions=goto_table:3
+ table=2, priority=12320,ip,dl_vlan=200,nw_dst=10.200.0.254
```

```
actions=goto_table:3
+ table=2, priority=12312,ip,dl_vlan=200,nw_dst=10.100.0.0/24
actions=goto_table:3
+ table=2, priority=12312,ip,dl_vlan=100,nw_dst=10.100.0.0/24
actions=goto_table:3
+ table=2, priority=12312,ip,dl_vlan=200,nw_dst=10.200.0.0/24
actions=goto_table:3
+ table=2, priority=12312,ip,dl_vlan=100,nw_dst=10.200.0.0/24
actions=goto_table:3
+ table=3, priority=12317,ip,dl_dst=0e:00:00:00:00:01
actions=CONTROLLER:110
+ table=3, priority=12316,ip actions=CONTROLLER:110,goto_table:4
```

还有icmp协议相关内容

```
+ table=3, priority=12319,icmp,dl_dst=0e:00:00:00:00:01
actions=CONTROLLER:110
+ table=3, priority=12318,icmp actions=CONTROLLER:110,goto_table:4
```