

L2. mac uplink downlink , vlan.

MAC. MAC- :

```
show mac
show mac verbose <FILTER> <FILTER_TYPE>
show mac <FILTER> <FILTER_TYPE>
```

:
<FILTER> – – include, exclude.
<FILTER_TYPE> – , – interface, mac, svid, cvid, gem, type. .
, vlan 1101, :

```
show mac include interface pon-port 3
show mac include interface front-port 1
show mac include svid 1101
```

mac , . , uplink vlan.
vlan LTP :

```
LTP-16N# show running-config interface front-port 1

interface front-port 1

vlan allow 30,99,101,600,1082,1100-1101,1221,1400-1414,1483,1700,3470,4004

exit
```

datapath:

```
LTP-16N# show interface ont 3/1 data-path
[ONT 3/1] data-path
Service #1:
    outer vid 1101
    inner vid 1
    user vid: -1
    replace: ont-side
    bridge_group: 10
    t-cont id: 32768
    alloc id: 767
    gem port: 128
    traffic model: N_TO_1
    front-port:1 upstream flow: 49378
Bridge #1:
    service profile id: 10
    broadcast enable: true
    broadcast filters: 1101 0 0 0 0 0 0 0 0 0 0
    multicast enable: false
    multicast filters: 0 0 0 0 0 0 0 0 0 0 0
Port #1:
    bridge group: 10
    vlan operation #1:
        user vid: -1
        replace: ont-side
    multicast enable: false
Port #2:
    bridge group: 0
    multicast enable: false
Port #3:
    bridge group: 0
    multicast enable: false
Port #4:
    bridge group: 0
    multicast enable: false
Virtual ethernet interface pointer:
    bridge group: 0
    multicast enable: false
Alloc base #1:
    scheme: share-t-cont
    alloc ids: 767
```

outer vid, upstream flow, port, , multicast, .



GEM- , datapath.

LTP, . uplink LTP .

cli.

querier'a :

```
LTP-16N# show ip igmp snooping config vlan 99
```

```
-----  
VLAN 99 IGMP settings  
-----
```

```
snooping: enabled  
fast leave: disabled  
querier: disabled  
learning: enabled  
robustness variable: 2  
query interval: 125  
query response interval: 100  
querier ip address: 0.0.0.0  
source ip address: 0.0.0.0  
dscp: 0  
igmp version: V1_V2_V3  
mc router ports: front-port 1, front-port 2, front-port 3, front-port 5, front-port 6, front-port 7,  
front-port 8, port-channel 1, port-channel 2, port-channel 3, port-channel 4, port-channel 5, port-channel 6,  
port-channel 7, port-channel 8, port-channel 9, port-channel 10, port-channel 11, port-channel 12, port-channel  
13, port-channel 14, port-channel 15, port-channel 16, port-channel 17, port-channel 18, port-channel 19, port-  
channel 20, port-channel 21, port-channel 22, port-channel 23, port-channel 24, port-channel 25, port-channel  
26, port-channel 27, port-channel 28, port-channel 29, port-channel 30, port-channel 31, port-channel 32
```

, :

```
LTP-16N# show ip igmp snooping mrouter vlan 99
```

```
Multicast routers ports. VLAN 99.  
front-port 8
```

, :

```
LTP-16N# show ip igmp snooping hosts vlan 99
```

```
Hosts ports. VLAN 99.
```

```
pon-port 1 00:00:00  
pon-port 2 00:00:00  
pon-port 3 00:00:00  
pon-port 4 00:00:00  
pon-port 5 00:00:00  
pon-port 6 00:00:00  
pon-port 7 00:00:00  
pon-port 8 00:00:00  
pon-port 9 00:00:00  
pon-port 10 00:00:00  
pon-port 11 00:00:00  
pon-port 12 00:00:00  
pon-port 13 00:00:00  
pon-port 14 00:00:00  
pon-port 15 00:00:00  
pon-port 16 00:00:00  
front-port 4 00:00:00
```



vlan