

[LTP-N, LTX] IGMP snooping

IGMP - , IPv4. IP- IP- .

IGMP CLI **configure terminal**

```
LTP-16N# configure terminal
```

snooping. :

```
LTP-16N(configure)# ip igmp snooping enable
LTP-16N(configure)# do commit
```

vlan, IGMP-:

```
LTP-16N(configure)# vlan 99
LTP-16N(config)(vlan-99)# ip igmp snooping enable
LTP-16N(config)(vlan-99)# do commit
```

igmp report vlan, , :vlan vlan .



IGMP Proxy . .

```
LTP-16N(configure)# ip igmp proxy report enable
LTP-16N(configure)# ip igmp proxy report range 224.0.0.1 226.255.255.255 from 40 to 30
LTP-16N(configure)# do commit
```

```
LTP-16N(configure)# ip igmp proxy report enable
LTP-16N(configure)# ip igmp proxy report range 224.0.0.1 224.0.0.255 from 40 to 30
LTP-16N(configure)# ip igmp proxy report range 224.0.1.1 224.0.255.255 from 40 to 99
LTP-16N(configure)# ip igmp proxy report range 225.1.1.1 225.255.255.255 from 60 to 99
LTP-16N(configure)# ip igmp proxy report range 226.0.0.1 226.255.255.255 from 70 to 30
LTP-16N(configure)# ip igmp proxy report range 226.0.0.1 226.255.255.255 from 80 to 30
LTP-16N(configure)# do commit
```

vlan :

```
LTP-16N(configure)# ip igmp proxy report enable
LTP-16N(configure)# ip igmp proxy report range 224.0.0.1 226.255.255.255 from all to 30
LTP-16N(configure)# do commit
```

save:

```
LTP-16N(configure)# do save
```

LTP-N Query- IGMP-querier. vlan snooping.
DSCP 802.1P:

```
LTP-16N(configure)# vlan 99
LTP-16N(config)(vlan-99)# ip igmp snooping enable
LTP-16N(config)(vlan-99)# ip igmp snooping querier enable
LTP-16N(config)(vlan-99)# ip igmp snooping querier dscp 40
LTP-16N(config)(vlan-99)# do commit
```

fast-leave, :

```
LTP-16N(config)(vlan-99)# ip igmp snooping querier fast-leave
LTP-16N(config)(vlan-99)# do commit
```

:

- - IGMP (v1, v2, v3);
- - query;
- - (response-interval);
- - specific query (last-member-query);
- - (robustness);

```
LTP-16N(config)(vlan-99)# ip igmp version v2-v3
LTP-16N(config)(vlan-99)# ip igmp query-interval 125
LTP-16N(config)(vlan-99)# ip igmp query-response-interval 10
LTP-16N(config)(vlan-99)# ip igmp last-member-query-interval 1
LTP-16N(config)(vlan-99)# ip igmp robustness 2
LTP-16N(config)(vlan-99)# do commit
LTP-16N(config)(vlan-99)# do save
```

Cli -

Cli .
:

```
LTP-16N# show ip igmp snooping groups
VLAN 30: groups count - 1
  1: 233.7.70.29
    Filter mode EXCLUDE
    Member front-port 4, expires 00:05:31
      Filter mode EXCLUDE
    Group expires 00:05:31
VLAN 99: groups count - 1
  1: 239.25.25.25
    Filter mode EXCLUDE
    Member pon-port 1, expires 00:05:26
      Filter mode EXCLUDE
    Group expires 00:05:26
```

vlan:

```
LTP-16N# show ip igmp snooping groups vlan 30
VLAN 30: groups count - 1
  1: 233.7.70.29
    Filter mode EXCLUDE
    Member front-port 4, expires 00:05:31
      Filter mode EXCLUDE
```

vlan .
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
```

, :

```
LTP-16N# show ip igmp snooping mrouters 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
```