

IGMP Snooping MVR SNR

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IGMP Snooping

IGMP Snooping - IGMP, () IGMP- (multicast) IP-.

IGMP- . IGMP Report - , IGMP Query - ., multicast- , .

IGMP-Snooping SNR.

IGMP Snooping

IGMP Snooping VLAN :

```
ip igmp snooping
ip igmp snooping vlan <>
```



!

IGMP Snooping VLAN multicast- !

, multicast-:

```
ip igmp snooping vlan <> mrouter-port interface <>
```



!

, mrouter-port - IGMP Query PIM Hello .

VLAN 50. :

```
ip igmp snooping vlan <> limit group <>
```

IGMP Snooping Proxy. IGMPv2 Join, Leave Specific Query Leave. .

Source IP- Specific Query (- 0.0.0.0):

```
ip igmp snooping vlan <> l2-general-querier-source <IP-address>
```



!

, RFC, Specific Query 0.0.0.0, IGMP Snooping Proxy IP-!

Source IP- Report (Join):

```
ip igmp snooping vlan <> report source-address <IP-address>
```

Join report suppression:

```
ip igmp snooping vlan <vlan> report suppression
```

IGMP Snooping Proxy :

```
no ip igmp snooping proxy
```

, Querier- IGMP General Query, :

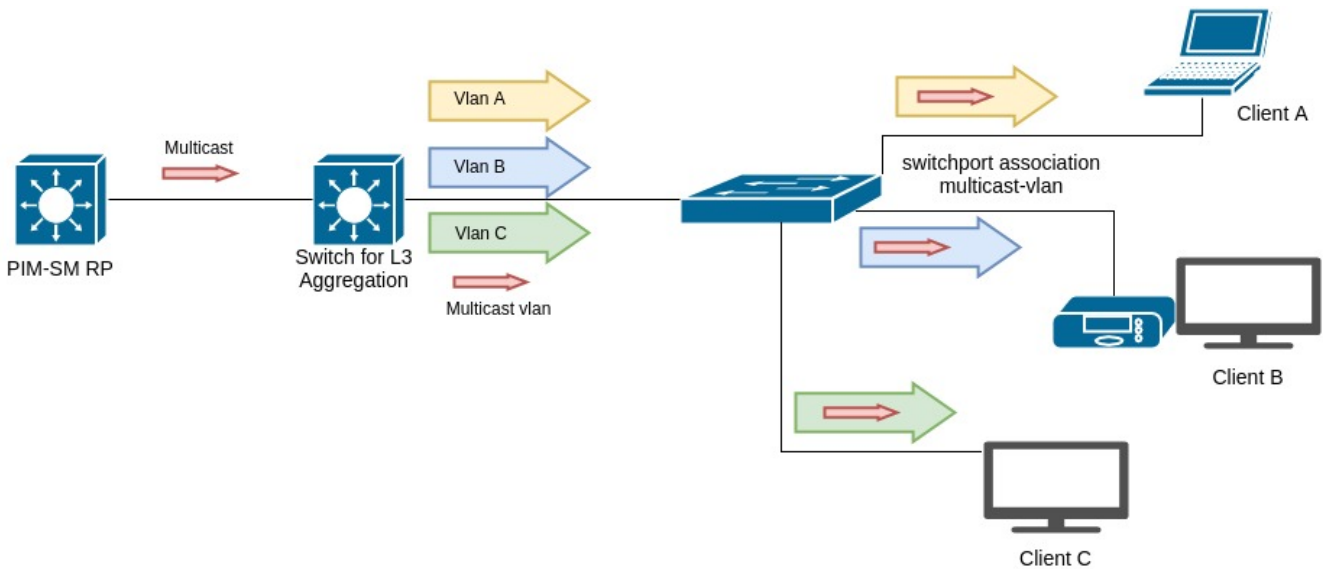
```
ip igmp snooping vlan <> l2-general-querier
```

Leave, 3, IGMP Snooping Proxy, Specific Query, Leave. multicast- - Leave:

```
ip igmp snooping vlan <> immediate-leave
```

MVR

MVR – VLAN Multicast VLAN, multicast- VLAN, , VLAN. multicast- , IGMP Join/Leave . multicast- VLAN .



MVR

S2960, S2962, S2965, S2982G, S2985G, S2990G, S2995G, S3850G, S2990X, S300X, S300G, S4550

:

1. Multicast VLAN.
2. Multicast VLAN .
3. Source/Destination Multicast Control.
4. IGMP Snooping, .

VLAN multicast :

```
vlan <>  
multicast-vlan
```



! Multicast VLAN !

c Multicast Vlan :

```
switchport association multicast-vlan <>
```

. VLAN Access.

, Multicast VLAN , SNR :

```
switchport association multicast-vlan <> out-tag <>
```

, Source/Destination Multicast Control :

```
ip multicast destination-control  
ip multicast source-control
```

- ip multicast destination-control - IP Multicast Destination Control . multicast ACL IGMP Snooping ACL multicast-;
- ip multicast source-control - IP Multicast Source Control . multicast ACL .



IP Multicast Source Control multicast- !
multicast- ACL !

IP Multicast Source/Destination Control .



MVR ip multicast destination-control!

:

```
!  
vlan 899  
name multicast  
multicast-vlan  
!  
multicast destination-control  
!  
Interface Ethernet0/0/7  
switchport access vlan 742  
switchport association multicast-vlan 899  
!  
ip igmp snooping  
ip igmp snooping vlan 899  
ip igmp snooping vlan 899 limit-group 1024  
ip igmp snooping vlan 899 l2-general-querier-source 192.168.1.1  
ip igmp snooping vlan 899 mrouter-port interface Ethernet0/0/45  
!
```

SNR-S2970G-24S, SNR-S2970G-48S

MVR, multicast-,, , .,, IGMP Snooping.

, MVR , Multicast VLAN multicast- :

```
!  
mvc  
mvc group <IP-> <count number>  
mvc vlan <vlan_id>  
!
```

- mvc - MVR . MVR ;
- mvc group <IP-> <count number> - multicast-, Multicast VLAN. . <count number> , , ;
- mvc vlan <vlan_id> - Multicast VLAN. Multicast VLAN - 4096. Multicast VLAN .

:

```
!  
mvc type receiver  
mvc vlan vlan_id group <IP-> (list)  
!
```

- mvc type receiver - , multicast- MVR ;
- mvc vlan vlan_id group <IP-> (list) - multicast-, . multicast- list. , ACL , multicast-, .

:

```
!  
mvc vlan vlan_id group 224.0.1.15  
!  
ACL:  
!  
ip access-list Multi  
permit ip 224.0.1.15 0.0.0.255  
permit ip 224.0.1.28 0.0.0.255  
!  
mvc vlan vlan_id group list Multi  
!
```