

IGMP Snooping MVR SNR

- [IGMP Snooping](#)
 - [IGMP Snooping](#)
- [MVR](#)
 - [MVR](#)
 - [S2960, S2962, S2965, S2982G, S2985G, S2990G, S2995G, S3850G, S2990X, S300X, S300G, S4550](#)
 - [SNR-S2970G-24S, SNR-S2970G-48S](#)

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>
```

IGMP Snooping Proxy :

```
no ip igmp snooping proxy
```

, Querier- IGMP General Query , :

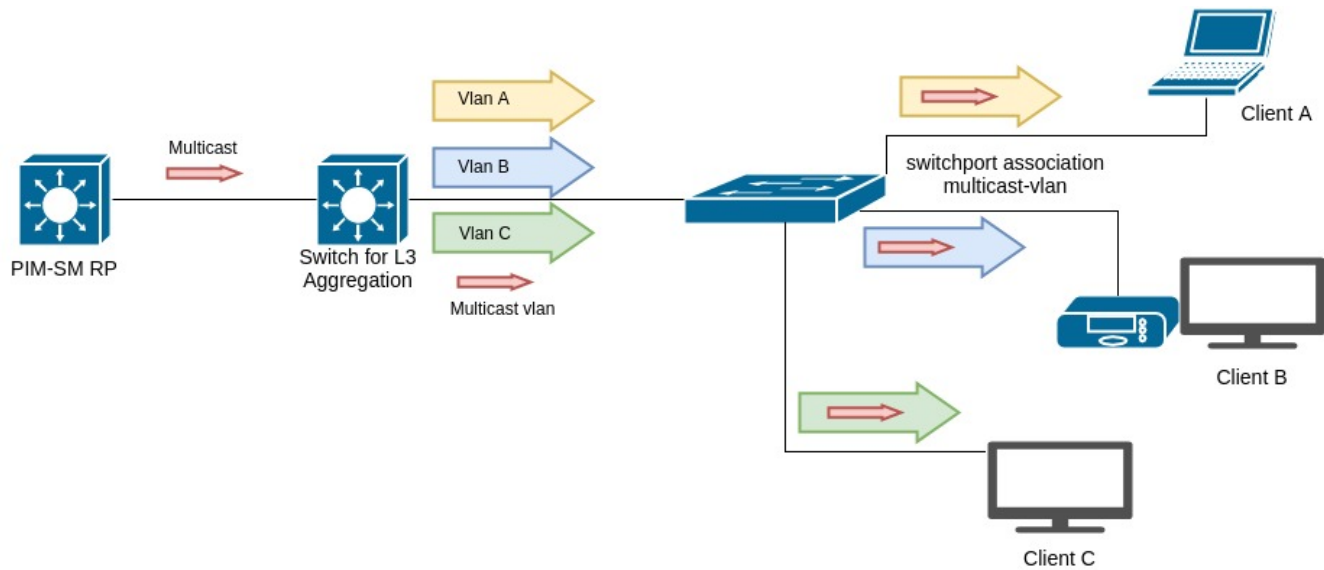
```
ip igmp snooping vlan <> l2-general-querier
```

```
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
!

```