IGMP Proxy Commands

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show ip igmp-proxy

debug ip igmp-proxy

1.1   ip igmp-proxy enable

Syntax

ip igmp-proxy enable

no ip igmp-proxy enable

To enable or disable I G M P   p r o x y, run **ip igmp-proxy enable**. To resume
the default value, run **no ip igmp-proxy enable**.

Parameter

Parameter	Description
N/A	

Default value

The IGMP proxy is disabled by default.

Remarks

N/A

Example

The following example shows how to enable the IGMP proxy:

switch_config# ip igmp-proxy enable

switch_config#

1.2   ip igmp-proxy agent-vlan client-vlan map

Syntax

ip igmp-proxy agent-vlan a*vlan_map*   **client-vlan map**   c*vlan_map*

no ip igmp-proxy agent-vlan avlan_map   **client-vlan map**   cvlan_map

Parameter

Parameter	Description
a*vlan_map*	A g e n t V L A N
c*vlan_map*	Customer VLAN

Default value

N/A

Remarks

1． The represented VLAN cannot be configured before vlan is designated by avlan_map; also, the agent VLAN cannot be configured before cvlan_map.

2. The represented and agent VLANs must accept the control of IGMP-Snooping.

Example

The following example shows how to set vlan2 to be the agent vlan of vlan1.

switch_config# ip igmp-proxy agent-vlan   2   client-vlan map   1
switch_config#

1.3   ip igmp-proxy source svlan sport

Syntax

ip igmp-proxy source multi_ip src_ip **svlan** vlan_id **sport** intf_name

no ip igmp-proxy source multi_ip src_ip **svlan** vlan_id **sport** intf_name

To set the entries of the static multicast source, run the above-mentioned command.

Parameter

Parameter	Description
multi_ip	Multicast IP address
src_ip	Multicast source's IP address
vlan_id	Multicast source VLAN
intf_name	Physical port of the multicast source

Default value

N/A.

Remarks

Only when there are multicast source entries can IGMP-proxy work normally. What is mentioned here is to add static multicast source entries.

Example

The following example shows how to add a multicast source entry with 234.5.6.7 as its static multicast address, 1.2.3.4 as its source address, 2 as its source VLAN and gigabit portg0/1 as its source port.

switch_config# ip igmp-proxy source   234.5.6.7   1.2.3.4   svlan   2   sport   g0/1

switch_config#

Note:

The SVLAN mentioned here is the multicast source VLAN and the vlan ID of SVLAN cannot be that of represented VLAN.

1.4   show ip igmp-proxy mcache

Syntax

show ip igmp-proxy mcache *[delete | nonsync | sync | static]*

Parameter

Parameter	Description
delete	Displays those entries of which hardware caches are deleted but software caches do not time out.
nonsync	Displays those entries that have been processed but not yet synchronized to the hardware cache.

sync	Displays those entries already in the hardware cache.
static	Displays the entries of the IGMP-proxy static multicast cache.

Default value

All entries are to be displayed if no filtration conditions are specified.

Remarks

The multicast source entries of IGMP-proxy are displayed.

Example

The following example shows how to display the information about the IGMP-proxy multicast source.

Switch# **show ip igmp-proxy mcache**
Codes: '+' synchronization, '-' deleted, 'S' static
        '^' unsynchronization

Item 1: Group 225.1.1.2
    +(192.168.213.163, 2, G3/24)
    VLAN 3,4

1.5   show ip igmp-proxy

Syntax

show ip igmp-proxy

Parameter

N/A

Default value

N/A

Remarks

This command is used to display the configurations about IGMP proxy.

Example

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The following example shows how to display the configurations of IGMP proxy.

switch#show ip igmp-proxy
Global IGMP proxy configuration:

Globally enable   : Enable

Agent: vlan 2, it has been alloced

     Client static   : vlan 1
     Client auto   : vlan
Agent: vlan 3, it has been alloced

     Client static   : vlan 1
     Client auto   : vlan

Globally clients list

     Client   : vlan 1, it has been alloced

Static Multi-source list

     Static Source   : No Static Source
switch#

1.6   debug ip igmp-proxy

Syntax

debug ip igmp-proxy *[error | event | packet]*

no debug ip igmp-proxy *[error | event | packet]*

Parameter

Parameter	Description
event	Debugs the IGMP-snooping event.
packet	Debugs the reception and transmission of IGMP-snooping.
error	Debugs the IGMP-snooping errors.

Default value

N/A

Remarks

This command is used to enable or disable the debugging & printing switch of IGMP-proxy.