

IGMP Proxy Commands

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Chapter 1 IGMP Proxy Commands

IGMP-proxy commands include:

Ip igmp-proxy

ip igmp-proxy agent-vlan client-vlan map

ip igmp-proxy source svlan sport

show ip igmp-proxy mcache

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 `IGMP proxy`, 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 avlan_map client-vlan map cvlan_map
```

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

Parameter

Parameter	Description
<i>avlan_map</i>	A g e n t V L A N
<i>cvlan_map</i>	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
<i>delete</i>	Displays those entries of which hardware caches are deleted but software caches do not time out.
<i>nonsync</i>	Displays those entries that have been processed but not yet synchronized to the hardware cache.

<i>sync</i>	Displays those entries already in the hardware cache.
<i>static</i>	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

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 allocated
```

```
-----
Client static     : vlan 1
```

```
Client auto       : vlan
```

```
Agent: vlan 3, it has been allocated
```

```
-----
Client static     : vlan 1
```

```
Client auto       : vlan
```

Globally clients list

```
-----
Client            : vlan 1, it has been allocated
```

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
<i>event</i>	Debugs the IGMP-snooping event.
<i>packet</i>	Debugs the reception and transmission of IGMP-snooping.
<i>error</i>	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.