

Configuring IGMP Snooping

Procedure

Step1 Enable the global IGMP snooping function.

```
set protocols igmp-snooping enable <true | false>
```

Step2 Enable the VLAN-based IGMP snooping function.

```
set protocols igmp-snooping vlan-id <vlan-id> enable <true | false>
```

NOTE:

After the global IGMP snooping is enabled, IGMP snooping in the VLAN is disabled by default. To enable IGMP snooping in a VLAN, you also need to enable the VLAN-based IGMP snooping function.

After IGMP Snooping is enabled in a VLAN, it will take effect only on interfaces that have already been added to this VLAN.

Step3 Configure the number of times that the querier sends a group-specific query message.

```
set protocols igmp-snooping last-member-query-count <last-member-query-count>
```

Step4 Configure the interval that the querier sends a group-specific query message.

```
set protocols igmp-snooping last-member-query-interval <last-member-query-interval>
```

Step5 Configure the maximum response time for IGMP general query message.

```
set protocols igmp-snooping max-response-time <max-response-time>
```

Step6 Configure the interval of sending IGMP general queries.

```
set protocols igmp-snooping query-interval <query-interval>
```

Step7 Enable the membership report suppression function.

```
set protocols igmp-snooping report-suppression <true | false>
```

Step8 Configure the IGMP robustness coefficient.

```
set protocols igmp-snooping robustness-variable <robustness-variable>
```

Step9 Configure the aging time of dynamic router port.

```
set protocols igmp-snooping router-aging-time <router-aging-time>
```

Step10 Enable the fast leave function to allow member ports in a VLAN to quickly leave the multicast group.

```
set protocols igmp-snooping vlan-id <vlan-id> fast-leave <true | false>
```

Step11 Configure the querier in a VLAN.

a) Enable the querier function in a VLAN.

```
set protocols igmp-snooping vlan-id <vlan-id> querier enable <true | false>
```

b) Configure the IGMP snooping querier IP address.

```
set protocols igmp-snooping vlan-id <vlan-id> querier address <querier-address>
```

c) Configure the IGMP snooping querier version.

```
set protocols igmp-snooping vlan-id <vlan-id> querier version <querier-version>
```

d) Configure the IGMP snooping querier other-querier-timer.

```
set protocols igmp-snooping vlan-id <vlan-id> querier other-querier-timer <other-querier-timer>
```

Step12 Configure the interface as a static router port in the specified VLAN.

```
set protocols igmp-snooping vlan-id <vlan-id> mrouter interface <interface-name>
```

Step13 Configure a static member interface to the multicast group.

set protocols igmp-snooping vlan-id *<vlan-id>* **static group** *<group-address>* **interface** *<interface-name>*