

## Configuring IGMP Snooping (CLI Procedure)

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IGMP snooping regulates multicast traffic in a switched network. With IGMP snooping enabled, a LAN switch monitors the IGMP transmissions between a host (a network device) and a multicast router, keeping track of the multicast groups and associated member ports. The switch uses that information to make intelligent multicast-forwarding decisions and forward traffic to the intended destination interfaces.

You can configure IGMP snooping on one or more VLANs to allow the switch to examine IGMP packets and make forwarding decisions based on packet content. By default, IGMP snooping is enabled on EX-series switches.

To enable IGMP snooping and configure individual options as needed for your network by using the CLI:

1. Enable IGMP snooping on a VLAN:

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan
```

2. Configure the switch to immediately remove a group membership from an interface when it receives a leave message from that interface without waiting for any other IGMP messages to be exchanged (IGMPv2 only):

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan immediate-leave
```

3. Statically configure IGMP group membership on a port:

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan interface ge-0/0/3.0
static group 225.100.100.100
```

4. Statically configure an interface as a switching interface toward a multicast router (the interface to receive multicast traffic):

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan interface ge-0/0/2.0
multicast-router-interface
```

5. Change the IGMP snooping query interval on the VLAN to 60 seconds:

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan query-interval 60
```

6. Change the IGMP snooping query-last-member interval on the VLAN to 75 seconds:

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan
query-last-member-interval 75
```

7. Change the IGMP snooping query-response interval on the VLAN to 3 seconds:

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan query-response-interval
3
```

8. Change the number of timeout intervals the switch waits before timing out a multicast group to 4:

```
[edit protocols]
user@switch# set igmp-snooping vlan employee-vlan robust-count 4
```

- Related Topics**
- show igmp-snooping membership
  - show igmp-snooping route
  - show igmp-snooping statistics
  - show igmp-snooping vlans
  - Example: Configuring IGMP Snooping on EX Series Switches
  - IGMP Snooping on EX Series Switches Overview

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