



IGMP Commands

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ip igmp last-member-query-count

To configure the IGMP last-member query counter, use the **ip igmp last-member-query-count** command in interface switch configuration mode. To restore the default counter value, use the **no** form of this command.

```
ip igmp last-member-query-count count
no ip igmp last-member-query-count
```

Syntax Description	<i>count</i> Specifies the number of times that group- or group-source-specific queries are sent upon receipt of a message indicating a leave. Valid range is from 1–7.				
Command Default	The value of IGMP Robustness variable.				
Command Modes	Interface (VLAN) switch configuration (config-switch-if)				
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.5.1</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Release	Modification	3.5.1	This command was introduced.
Release	Modification				
3.5.1	This command was introduced.				
Usage Guidelines	Use the ip igmp robustness command to configure the IGMP last-member query interval on an interface.				

Example

The following example changes the value of IGMP last member query counter to 3:

```
nfvis(config-switch)# interface vlan 1
nfvis(config-switch-if)# ip igmp last-member-query-count 3
nfvis(config-switch-if)# commit
nfvis(config-switch-if)# end
```

ip igmp last-member-query-interval

To configure the IGMP last-member query interval on an interface, use the **ip igmp last-member-query-interval** command in interface switch configuration mode. To restore the default IGMP query interval, use the **no** form of this command.

```
ip igmp last-member-query-interval milliseconds
no ip igmp last-member-query-interval
```

Syntax Description	<i>milliseconds</i> Interval, in milliseconds, at which IGMP group-specific host query messages are sent on the interface. Valid range is from 100–25500.				
Command Default	The default IGMP last member query interval is 1000 milliseconds.				
Command Modes	Interface (VLAN) switch configuration (config-switch-if)				
Command History	<table><thead><tr><th>Release</th><th>Modification</th></tr></thead><tbody><tr><td>3.5.1</td><td>This command was introduced.</td></tr></tbody></table>	Release	Modification	3.5.1	This command was introduced.
Release	Modification				
3.5.1	This command was introduced.				
Usage Guidelines	None				

Example

The following example increases the IGMP last-member query interval to 1500 milliseconds:

```
nfvis(config-switch)# interface vlan 1
nfvis(config-switch-if)# ip igmp last-member-query-interval 1500
nfvis(config-switch-if)# commit
nfvis(config-switch-if)# end
```

ip igmp query-max-response-time

To configure the maximum response time advertised in the IGMP queries, use the **ip igmp query-max-response-time** command in the interface switch configuration mode. To restore the default value, use the **no** form of this command.

```
ip igmp query-max-response-time seconds
no ip igmp query-max-response-time
```

Syntax Description	<i>seconds</i> Maximum response time, in seconds, advertised in IGMP queries. Valid range is from 5–20.
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Command Default	10 seconds.
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Command Modes	Interface (VLAN) switch configuration (config-switch-if)
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Command History	Release	Modification
	3.5.1	This command was introduced.

Usage Guidelines	<p>This command controls how much time the hosts have to answer an IGMP query message before the router deletes their group. Configuring a value of fewer than 10 seconds enables the router to prune groups faster.</p> <p>The maximum query response time must be less than the query interval.</p>
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Example

The following example configures a maximum response time of 8 seconds:

```
nfvis(config-switch)# interface vlan 1
nfvis(config-switch-if)# ip igmp query-max-response-time 8
nfvis(config-switch-if)# commit
nfvis(config-switch-if)# end
```

ip igmp query-interval

To configure the frequency at which the IGMP querier sends the IGMP host-query messages from an interface, use the **ip igmp query-interval** command in interface switch configuration mode. To restore the default IGMP query interval, use the **no** form of this command.

ip igmp query-interval *seconds*
no ip igmp query-interval

Syntax Description	<i>seconds</i> Frequency, in seconds, at which the switch sends IGMP query messages from the interface. Valid range is from 30 to 18000.				
Command Default	The default IGMP query interval is 125 seconds.				
Command Modes	Interface (VLAN) switch configuration (config-switch-if)				
Command History	<table><thead><tr><th>Release</th><th>Modification</th></tr></thead><tbody><tr><td>3.5.1</td><td>This command was introduced.</td></tr></tbody></table>	Release	Modification	3.5.1	This command was introduced.
Release	Modification				
3.5.1	This command was introduced.				
Usage Guidelines	<p>The IGMP querier sends query-host messages to discover which multicast groups have members on the attached networks of the router.</p> <p>The query interval must be bigger than the maximum query response time.</p>				

Example

The following example shows how to increase the frequency, at which the IGMP querier sends IGMP host-query messages, to 180 seconds:

```
nfvis(config-switch)# interface vlan 1
nfvis(config-switch-if)# ip igmp query-interval 180
nfvis(config-switch-if)# commit
nfvis(config-switch-if)# end
```

ip igmp robustness

To configure the IGMP robustness variable, use the **ip igmp robustness** command in interface switch configuration mode. To restore the default value, use the **no** form of this command.

```
ip igmp robustness count
no ip igmp robustness
```

Syntax Description	<i>count</i> The number of expected packets lost on a link. Valid range is from 1 to 7.				
Command Default	The default value is 2.				
Command Modes	Interface (VLAN) switch configuration (config-switch-if)				
Command History	<table border="1"> <thead> <tr> <th>Release</th> <th>Modification</th> </tr> </thead> <tbody> <tr> <td>3.5.1</td> <td>This command was introduced.</td> </tr> </tbody> </table>	Release	Modification	3.5.1	This command was introduced.
Release	Modification				
3.5.1	This command was introduced.				

Example

The following example changes the value of the IGMP robustness variable to 3:

```
nfvis(config-switch)# interface vlan 20
nfvis(config-switch-if)# ip igmp robustness 3
nfvis(config-switch-if)# commit
nfvis(config-switch-if)# end
```