

IGMP Profile Configuration Mode Commands

Command Modes

The Internet Group Management Protocol (IGMP) Profile Configuration Mode is used to create and manage the IGMP parameters for an Ethernet interface.

Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > context *context_name* **> ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Important Available commands or keywords/variables vary based on platform type, product version, and installed license(s).

Important For information on common commands available in this configuration mode, refer to the Common Commands chapter.

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default ip igmp

Configures default IGMP parameters.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > **context** *context_name* > **ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Syntax Description

```
default ip igmp { query | require | robustness |
unsolicited-report-interval | version }
```

Usage Guidelines

Specify the IGMP parameters for the default profile. Refer to the remaining command description in this chapter for additional information.

Example

To apply enable echo mode on this interface, use the following command:

```
bfd echo
```

ip igmp query

Configures the maximum response time for IGMP queries.

Product

All

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > **context** *context_name* > **ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Syntax Description

ip igmp query max-response-time *seconds*

max-response-time *seconds*

Specify the maximum number of seconds that the system will wait for an IGMP response as an integer from 1 through 25.

Usage Guidelines

Specify the maximum response time for IGMP queries.

Example

```
ip igmp query max-response-time 10
```

ip igmp require router-alert

Sets the router alert flag to ON in IP IGMP packets.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > context *context_name* **> ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Syntax Description **`[ no ] ip igmp require router-alert`**

no

Sets the router alert flag to OFF in IP IGMP packets.

Usage Guidelines Sets the router alert flag to ON in IP IGMP packets.

Example

`ip igmp require router-alert`

ip igmp robustness

Sets the Robustness value in IP IGMP packets. The Robustness variable allows tuning for the expected packet loss on a subnet. If a subnet is expected to be lossy, the Robustness variable may be increased. IGMP is robust to packet losses. The Robustness variable should not be set to 1 (one).

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > context *context_name* **> ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Syntax Description **`ip igmp robustness`** *`value`*

value

Sets the robustness value as an integer from 1 through 10. Default: 2

Usage Guidelines Sets the robustness value in IP IGMP packets.

Example

`ip igmp robustness 7`

ip igmp unsolicited-report-interval

Sets the Unsolicited Report Interval which is the time between repetitions of a host's initial report of membership in a group.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > **context** *context_name* > **ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Syntax Description **`ip igmp unsolicited-report-interval`** *`seconds`*

seconds

Specifies the number of seconds between repetitions of a host's initial report of membership in a group as an integer from 1 through 25. Default: 10

Usage Guidelines Set the Unsolicited Report Interval which is the time between repetitions of a host's initial report of membership in a group.

Example

```
ip igmp unsolicited-report-interval 15
```

ip igmp version

Sets the IGMP version to be supported by this interface.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > IGMP Profile Configuration

configure > **context** *context_name* > **ip igmp profile** *profile_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-igmp-profile-<profile_name>)#`

Syntax Description **`ip igmp version { v1 | v2 | v3 }`**

v1 | v2 | v3

Specifies the IGMP Version number:

- **v1:** Version 1, RFC 1112
- **v2**: Version 2, RFC 2236
- **v3**: Version 3, RFC 4604

Usage Guidelines

Set the IGMP version to be supported by this interface.

Example

```
ip igmp version v2
```