



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.

- [default ip igmp](#), on page 1
- [ip igmp query](#), on page 2
- [ip igmp require router-alert](#), on page 2
- [ip igmp robustness](#), on page 3
- [ip igmp unsolicited-report-interval](#), on page 4
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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 <i>context_name</i> > ip igmp profile <i>profile_name</i> Entering the above command sequence results in the following prompt: <i>[context_name]host_name(config-igmp-profile-<profile_name>)#</i>
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 <i>context_name</i> > ip igmp profile <i>profile_name</i> Entering the above command sequence results in the following prompt: <i>[context_name]host_name(config-igmp-profile-<profile_name>)#</i>
Syntax Description	ip igmp robustness <i>value</i> 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
```

ip igmp version