



# 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
- [ip igmp version](#), on page 4

## 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>)#
```

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**Syntax Description**    **default ip igmp { query | require | robustness | unsolicited-report-interval | version }**

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**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.

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**Product**    All

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**Privilege**    Security Administrator, Administrator

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**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>)#
```

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**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.

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**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.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > IGMP Profile Configuration <b>configure &gt; context</b> <i>context_name</i> > <b>ip igmp profile</b> <i>profile_name</i> Entering the above command sequence results in the following prompt: <i>[context_name]host_name(config-igmp-profile-&lt;profile_name&gt;)#</i>
<b>Syntax Description</b>	<b>[ no ] ip igmp require router-alert</b>  <b>no</b> Sets the router alert flag to OFF in IP IGMP packets.
<b>Usage Guidelines</b>	Sets the router alert flag to ON in IP IGMP packets.
	<b>Example</b> <b>ip igmp require router-alert</b>

## 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).

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > IGMP Profile Configuration <b>configure &gt; context</b> <i>context_name</i> > <b>ip igmp profile</b> <i>profile_name</i> Entering the above command sequence results in the following prompt: <i>[context_name]host_name(config-igmp-profile-&lt;profile_name&gt;)#</i>
<b>Syntax Description</b>	<b>ip igmp robustness</b> <i>value</i>  <b>value</b> Sets the robustness value as an integer from 1 through 10. Default: 2
<b>Usage Guidelines</b>	Sets the robustness value in IP IGMP packets.
	<b>Example</b> <b>ip igmp robustness 7</b>

## 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.

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**Product** All

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**Privilege** Security Administrator, Administrator

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**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>)#
```

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**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

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**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.

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**Product** All

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**Privilege** Security Administrator, Administrator

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**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>)#
```

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**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

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**Usage Guidelines**

Set the IGMP version to be supported by this interface.

**Example**

```
ip igmp version v2
```

ip igmp version