PCC-Event-Notification-Interface-Endpoint Configuration Mode Commands

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Important This configuration mode is supported from StarOS Release 12.1 onward.

Command Modes The PCC-Event-Notification-Interface-Endpoint configuration mode is used to enable the event notification interface mechanism for the Intelligent Policy Control Function (IPCF) and to configure the Event Notification collection server endpoint related parameters.

Exec > Global Configuration > Context Configuration > Event Notification Interface Endpoint Configuration

configure > context *context_name* **> event-notif-endpoint** *endpoint_name*

Entering the above command sequence results in the following prompt:

[*context_name*]*host_name*(config-ntfyintf-endpoint)#

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Important The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

address

This command binds an IP address to the local IPCF node which is to be used for event notification processing with remote event collection server endpoint during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

Product IPCF

end

Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > Context Configuration > Event Notification Interface Endpoint Configuration
	configure > context *context_name* **> event-notif-endpoint** *endpoint_name*
	Entering the above command sequence results in the following prompt:
	[*context_name*]*host_name*(config-ntfyintf-endpoint)#
Syntax Description	**address** *ip_address*
	ip_address
	Specifies the IP address bind with local IPCF node to be used by the event collection server endpoint for event message processing during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.
Usage Guidelines	Use this command to bind an IP address to interact with the remote event notification collection server endpoint to which the event messages are sent for IP-CAN session events.
	Example
	Following command binds the *1.2.3.4* for event notification message with remote event notification endpoint.
	address*1.2.3.4*

end

Exits the current configuration mode and returns to the Exec mode.

Product	All
Privilege	Security Administrator, Administrator
Syntax Description	**end**
Usage Guidelines	Use this command to return to the Exec mode.

exit

Exits the current mode and returns to the parent configuration mode.

Product	All
Privilege	Security Administrator, Administrator
Syntax Description	**exit**
Usage Guidelines	Use this command to return to the parent configuration mode.

peer name

This command binds/associates a remote Event Notification collection server as peer having specified IP address and optionally port for event notification during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

Product	IPCF
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > Context Configuration > Event Notification Interface Endpoint Configuration

configure > context *context_name* **> event-notif-endpoint** *endpoint_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-ntfyintf-endpoint)#
```

Syntax Description   **peer name** *peer_name* **address** *ip_address* [**port** *port_num*]

name *peer_name*

Sets the in PCC-Event-Notification-Interface-Endpoint instance to use a particular peer node configured by a peer name *peer_name* for event notification interface.

The *peer_name* is name of the peer node to be sued for event collection and must be an alphanumerical string from 1 through 31 characters. *peer_name* allows punctuation marks.

ip-address *ip_address*

Sets the PCC-Event-Notification-Interface-Endpoint instance to bind the particular peer node name with IP address *ip_address* in IPv4 or IPv6 notation for event notification message processing.

The *ip_address* is an IP address in IPv4/IPv6 notation.

port *port_num*

This optional keyword sets a particular port number to be used with in the PCC-Event-Notification-Interface-Endpoint instance to configure a particular peer node having a pre assigned IP address *ip_address* in IPv4 or IPv6 notation for event notification message processing.

The *port_num* must be an integer between 1 and 65535.

Usage Guidelines   Use this command to bind/associate a remote Event Notification collection server as peer having specified IP address and optionally port for event notification during IP-CAN session in the PCC-Event-Notification-Interface-Endpoint instance.

Multiple peers can be configured using this command and peer selection methods, **primary-secondary** or **round-robin** can be applied using **peer select-algorithm** command for event notification during IP-CAN session in this configuration mode.

Example

Following command configures and associates an Event Notification peer node named *event_peer_1* having an IP address *1.2.3.4* with port number as *2345* in an PCC-Event-Notification-Interface-Endpoint instance.

peer name *event_peer_1* **ip-address** *1.2.3.4* **port** *2345*

peer select-algorithm

This command applies the peer selection algorithm to select the configured remote Event Notification collection server during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

Product	IPCF
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > Context Configuration > Event Notification Interface Endpoint Configuration **configure > context** *context_name* **> event-notif-endpoint** *endpoint_name* Entering the above command sequence results in the following prompt: [*context_name*]*host_name*(config-ntfyintf-endpoint)#
Syntax Description	**peer select-algorithm** {**primary-secondary** | **round-robin**}

primary-secondary

Sets the PCC-Event-Notification-Interface-Endpoint peer selection algorithm to select the configured remote peer servers in primary and secondary method during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

This mode is applicable only when multiple peers are configured and primary and secondary peer is defined using **peer select-peer** command in this configuration mode.

round-robin

Sets the PCC-Event-Notification-Interface-Endpoint peer selection algorithm to select the configured remote peer servers in round-robin method mode during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

This mode is applicable only when multiple peers are configured in this configuration mode.

Usage Guidelines	Use this command apply the peer selection algorithm to select the configured remote Event Notification collection server during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

Example

Following command configures the peer selection algorithm to select the configured remote peer in **round-robin** method in PCC-Event-Notification-Interface-Endpoint instance.

```
peer select-algorithm round-robin
```

Following command configures the peer selection algorithm to select the configured primary and secondary remote peers in **primary-secondary** method in PCC-Event-Notification-Interface-Endpoint instance.

```
peer select-algorithm primary-secondary
```

peer select-peer

This command sets the configured remote Event Notification collection server as primary and secondary servers for event notification collection during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

Product	IPCF
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > Context Configuration > Event Notification Interface Endpoint Configuration **configure > context** *context_name* **> event-notif-endpoint** *endpoint_name* Entering the above command sequence results in the following prompt: [*context_name*]*host_name*(config-ntfyintf-endpoint)#
Syntax Description	**peer select-peer** *pri_peer_name* **secondary** *sec_peer_name* **pri_peer_name** Sets the configured remote PCC-Event-Notification-Interface-Endpoint peer as primary peer for event notification collection during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance. *pri_peer_name* must be a pre-configured peer name configured with **peer name** command in this configuration mode. **secondary sec_peer_name** Sets the configured remote PCC-Event-Notification-Interface-Endpoint peer as secondary peer for event notification collection during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance. *sec_peer_name* must be a pre-configured peer name configured with **peer name** command in this configuration mode.
Usage Guidelines	Use this command to set the configured remote Event Notification collection server as primary and secondary node for event notification collection during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance. This configuration is used when peer selection algorithm is set to **primary-secondary** using **peer select-algorithm** command in this configuration mode.

Example

Following command configures the specified peer *event1* as primary and *event2* as secondary node for event notification collection during IP-CAN session in PCC-Event-Notification-Interface-Endpoint instance.

peer select-peer *event1* **secondary** *event2*