ePDG Thresholds

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EPDG Thresholds

Thresholds generate alerts or alarms based on either the total number of ePDG calls setup by the system during the specified polling interval, or on the number of currently active calls only.

Alerts or alarms are triggered for call setups based on the following rules:

- **Enter condition:** Actual number of call setups > or = High Threshold
- **Clear condition:** Actual number of call setups < Low Threshold

If a trigger condition occurs within the polling interval, the alert or alarm will not be generated until the end of the polling interval.

Default ePDG threshold polling interval value is 5 Min.

The polling interval is in seconds and it is an integer between 30 and 60000. Entries will be rounded up to the nearest 30 seconds.

Configuring ePDG Thresholds

Use the following configuration example to enable, disable and configure ePDG threshold monitoring.

```
configure
     [ no ] threshold monitoring epdg-service
 threshold  epdg-current-sessions current_epdg_sessions_threshold clear
alarm_clear_threshold
 default threshold  epdg-current-sessions
 threshold poll epdg-current-sessions interval threshold_polling_interval
 default threshold poll epdg-current-sessions interval
      end
```

Saving Your Configuration

When you configure thresholds they are not permanent unless you save the changes. When you have completed configuring thresholds, save your configuration to flash memory, an external memory device, and/or a network location using the Exec mode command **save configuration**. For additional information on how to verify and save configuration files, refer to the *System Administration Guide* and the *Command Line Interface Reference*.

Configuring IKEv2 tunnel setup attempts

Use the following configuration example to enable, disable and configure ePDG threshold monitoring.

```
configure
        context epdg context
          epdg-service epdg_service_name
          no  threshold ikev2-setup-attempts threshold_value  clear clear_value

        exit threshold poll epdg-current-sessions interval
      exit
```