Disconnect-Reasons Thresholds

An operator can set alarms based on threshold parameters for up to 30 specific session disconnect reasons. An alarm notification and SNMP trap are generated whenever a disconnect reason threshold is exceeded.

The **show session disconnect-reasons verbose** command displays the name and associated reason number of all disconnect reasons (600+).

Alerts or alarms are triggered for a specific disconnect type based on the following rules:

> • **Enter condition:** Actual number of disconnects > or = High Threshold
>
> • **Clear condition:** Actual number of disconnects < 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.

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Configuring Disconnect-Reasons Thresholds

This section describes how to enable and configure session disconnect-reason thresholds.

threshold disconnect-reason

Use the following configuration example to configure alarm and clear thresholds based on the number of disconnects per specified disconnect reason on a chassis.

configure

    threshold disconnect-reason *disc-reason_name high_thresh* **[clear** *low_thresh* **]**

    end

Note The operator can configure a maximum of 30 types of disconnect reasons for monitoring. When the number of disconnects per disconnect reason crosses the threshold, a trap is generated.

threshold poll disconnect-reason

Use the following configuration example to configure a polling period for a specific disconnect reason.

configure

    [default] threshold poll disconnect-reason *disc-reason_name* **interval** *polling_interval_seconds*

    end

polling_interval_seconds is specified as an integer divisible by 30 within the range of 300 (five minutes) to 60000 (1000 minutes).

Important The operator can configure a maximum of 30 types of disconnect reasons for monitoring. When the number of disconnects per disconnect reason crosses the threshold, a trap is generated.

threshold monitoring

Use the following configuration example to enable or disable monitoring of disconnect reasons.

configure
    [no | default] threshold monitoring disconnect-reason
    end

Important The operator can configure a maximum of 30 types of disconnect reasons for monitoring. When the number of disconnects per disconnect reason crosses the threshold, a trap is generated.

Saving Your Configuration

When you configure thresholds they are not persistent 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 **save configuration** command. For additional information on how to verify and save configuration files, refer to the *System Administration Guide* and the *Command Line Interface Reference*.