Global Configuration Mode Commands (threshold poll commands O - Z)

The Global Configuration Mode is used to configure basic system-wide parameters.

Command Modes

This section includes the commands **threshold poll packets-filtered-dropped interval** through **threshold poll tpo-rto-timeout**.

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

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

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threshold poll packets-filtered-dropped interval

Configures the polling interval over which to count the filtered/dropped packets.

Product

All

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description

`threshold poll packets-filtered-dropped interval` *`duration`*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPacketsFilteredDropped** command in this mode.

Example

The following command configures the polling interval to *600* seconds for filtered/dropped packets:

```
threshold poll packets-filtered-dropped interval 600
```

threshold poll packets-forwarded-to-cpu interval

Configures the polling interval over which to count packets forwarded to active system CPUs in the system.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description **`threshold poll packets-forwarded-to-cpu interval`** *`duration`*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPacketsForwarded** command in this mode.

Example

The following command configures the polling interval to *600* seconds for packets forwarded to active system CPUs in the system:

`threshold poll packets-forwarded-to-cpu interval 600`

threshold poll pdg-current-active-sessions interval

Configures the polling interval over which to count the total number of currently active Packet Data Gateway/Tunnel Termination Gateway (PDG/TTG) sessions.

Product PDG

TTG

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll pdg-current-active-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDGCurrActSess** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDG/TTG sessions:

threshold poll pdg-current-active-sessions interval 600

threshold poll pdg-current-sessions interval

Configures the polling interval over which to count the total number of current Packet Data Gateway/Tunnel Termination Gateway (PDG/TTG) sessions, including inactive sessions.

Product

PDG/TTG

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll pdg-current-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDGCurrSess** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDG/TTG sessions:

threshold poll pdg-current-sessions interval 600

threshold poll pdif-current-active-sessions interval

Configures the polling interval over which to count the total number of currently active Packet Data Interworking Function (PDIF) sessions.

Product

PDIF

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll pdif-current-active-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDIFCurrActSess** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDIF sessions:

```
threshold poll pdif-current-active-sessions interval 600
```

threshold poll pdif-current-sessions interval

Configures the polling interval over which to count the total number of current Packet Data Interworking Function (PDIF) sessions, including inactive sessions.

Product

PDIF

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll pdif-current-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important

All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important

To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDIFCurrSess** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDIF sessions:

```
threshold poll pdif-current-sessions interval 600
```

threshold poll pdsn-init-rrq-rcvd-rate interval

Configures the polling interval over which to count the total number of current Packet Data Serving Node (PDSN) sessions, including inactive sessions.

Product

PDSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll pdsn-init-rrq-rcvd-rate interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 60 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDSNCallSetupRate** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDSN sessions:

```
threshold poll pdsn-init-rrq-rcvd-rate interval 600
```

threshold poll pdsn-svc-init-rrq-rcvd-rate interval

Configures the polling interval over which to count the total number of current Packet Data Serving Node (PDSN) sessions, including inactive sessions.

Product PDSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll pdsn-svc-init-rrq-rcvd-rate interval** *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDSNSvcCallSetupRate** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDSN sessions:

```
threshold poll pdsn-svc-init-rrq-rcvd-rate interval 600
```

threshold poll per-service-asngw-sessions interval

Configures the polling interval in seconds over which to count the number of PDP contexts per ASN-GW service in the system.

Product ASN-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll per-service-asngw-sessions interval** *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceASNGWSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for ASN-GW sessions:

```
threshold poll per-service-asngw-sessions interval 600
```

threshold poll per-service-ggsn-sessions interval

Configures the polling interval in seconds over which to count the number of PDP contexts per GGSN service in the system.

Product GGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll per-service-ggsn-sessions interval** *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceGGSNSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for GGSN sessions:

```
threshold poll per-service-ggsn-sessions interval 600
```

threshold poll per-service-gprs-pdp-sessions interval

Configures the polling interval in seconds over which to count the number of 2G-activated PDP contexts per GPRS service.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-gprs-pdp-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceGPRSPDPSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for 2G PDP contexts:

```
threshold poll per-service-gprs-pdp-sessions interval 600
```

threshold poll per-service-gprs-sessions interval

Configures the polling interval in seconds over which to count the number of 2G-attached subscribers per GPRS service.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-gprs-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceGPRSSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for 2G GPRS sessions:

```
threshold poll per-service-gprs-sessions interval 600
```

threshold poll per-service-ha-sessions interval

Configures the polling interval in seconds over which to count the number of HA sessions per Home Agent (HA) service in the system.

Product

HA

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-ha-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceHASessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for HA sessions:

```
threshold poll per-service-ha-sessions interval 600
```

threshold poll per-service-lns-sessions interval

Configures the polling interval in seconds over which to count the number of L2TP Network Server (LNS) sessions per LNS service in the system.

Product

LNS

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description

`threshold poll per-service-lns-sessions interval` *`duration`*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceLNSSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for LNS sessions:

```
threshold poll per-service-lns-sessions interval 600
```

threshold poll per-service-pdg-sessions interval

Configures the polling interval in seconds over which to count the number of Packet Data Gateway (PDG) sessions per PDG/TTG service in the system.

Product

PDG/TTG

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-pdg-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServicePDGSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDG/TTG sessions:

```
threshold poll per-service-pdg-sessions interval 600
```

threshold poll per-service-pdsn-sessions interval

Configures the polling interval in seconds over which to count the number of Packet Data Serving Node (PDSN) sessions per PDSN service in the system.

Product

PDSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-pdsn-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServicePDSNSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PDSN sessions:

```
threshold poll per-service-pdsn-sessions interval 600
```

threshold poll per-service-samog-sessions interval

Configures the polling interval in seconds over which to count the number of S2a Mobility over GTP (SaMOG) contexts per SaMOG service in the system.

Product

SaMOG

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-samog-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceSAMOGSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for SaMOG sessions:

```
threshold poll per-service-samog-sessions interval 600
```

threshold poll per-service-sgsn-pdp-sessions interval

Configures the polling interval in seconds over which to count the number of 3G-activated PDP contexts per SGSN service on the system.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-sgsn-pdp-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceSGSNPDPSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for 3G PDP contexts:

```
threshold poll per-service-sgsn-pdp-sessions interval 600
```

threshold poll per-service-sgsn-sessions interval

Configures the polling interval in seconds over which to count the number of 3G-attached subscribers per SGSN service in the system.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll per-service-sgsn-sessions interval *duration*

interval *duration*

Default: 300 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPerServiceSGSNSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds for SGSN sessions:

```
threshold poll per-service-sgsn-sessions interval 600
```

threshold poll phsgw-auth-failure interval

Configures the polling interval in seconds over which to count the number of Personal Handyphone System Gateway (PHSGW) authentication failures.

Product

PHSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-auth-failure interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWAuthFail** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW authentication failures:

```
threshold poll phsgw-auth-failure interval 600
```

threshold poll phsgw-eapol-auth-failure interval

Configures the polling interval in seconds over which to count the number of authentication failures for a PHSGW service using Extensible Authentication Protocol Over LAN (EAPOL).

Product

PHSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-eapol-auth-failure interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWEAPOLAuthFailure** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW EAPOL failures:

```
threshold poll phsgw-eapol-auth-failure interval 600
```

threshold poll phsgw-handoff-denial interval

Configures the polling interval in seconds over which to count the number of handoff denials in PHSGW.

Product PHSGW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll phsgw-handoff-denial interval** *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWMaxEAPOLRetry** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW handoff denials:

```
threshold poll phsgw-handoff-denial interval 600
```

threshold poll phsgw-max-eap-retry interval

Configures the polling interval in seconds over which to count the maximum number of Extensible Authentication Protocol (EAP) retries in PHSGW.

Product PHSGW

Privilege Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-max-eap-retry interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWMaxEAPRetry** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW EAP retries:

```
threshold poll phsgw-max-eap-retry interval 600
```

threshold poll phsgw-max-eapol-retry interval

Configures the polling interval in seconds over which to count the maximum number of Extensible Authentication Protocol Over LAN (EAPOL) retries in PHSGW.

Product

PHSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-max-eapol-retry interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWMaxEAPOLRetry** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW EAPOL retries:

```
threshold poll phsgw-max-eapol-retry interval 600
```

threshold poll phsgw-network-entry-denial interval

Configures the polling interval in seconds over which to count the number of network entry denials in PHSGW.

Product

PHSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-network-entry-denial interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important

All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important

To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWNWEntryDenial** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW network entry denials:

```
threshold poll phsgw-network-entry-denial interval 600
```

threshold poll phsgw-session-setup-timeout interval

Configures the polling interval in seconds over which to count the number of PHSGW sessions that timed out during setup.

Product

PHSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-session-setup-timeout interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWSessSetupTimeout** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW session setup timeouts:

```
threshold poll phsgw-session-setup-timeout interval 600
```

threshold poll phsgw-session-timeout interval

Configures the polling interval in seconds over which to count the number of PHSGW sessions that timed out.

Product

PHSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll phsgw-session-timeout interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSGWSessTimeout** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSGW session timeouts:

```
threshold poll phsgw-session-timeout interval 600
```

threshold poll phspc-session-setup-timeout interval

Configures the polling interval in seconds over which to count the number of Personal Handyphone System - Personal Computer (PHSPC) sessions that timed out during setup.

Product PHSGW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll phspc-session-setup-timeout interval** *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSPCSessSetupTimeout** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSPC session setup timeouts:

```
threshold poll phspc-session-setup-timeout interval 600
```

threshold poll phspc-sleep-mode-timeout interval

Configures the polling interval in seconds over which to count the number of PHSPC sessions that timed out when the personal computer went into sleep mode.

Product PHSGW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll phspc-sleep-mode-timeout interval** *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSPCSleepModeTimeout** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSPC sleep mode timeouts:

```
threshold poll phspc-sleep-mode-timeout interval 600
```

threshold poll phspc-sm-entry-denial interval

Configures the polling interval in seconds over which to count the number of denied PHSPC short message (SM) sessions.

Product PHSGW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll phspc-sm-entry-denial interval** *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPHSPCSmEntryDenial** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PHSPC SM session denials:

```
threshold poll phspc-sm-entry-denial interval 600
```

threshold poll port-high-activity interval

Configures the polling interval in seconds over which to measure the overall percentage of port utilization.

Product All

Privilege Administrator Security Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll port-high-activity interval** *seconds*

interval *seconds*

Configures the threshold polling interval in multiples of 30 seconds. *seconds* is an integer from 30 through 60000. Default is 300 seconds.

Usage Guidelines High port activity thresholds generate alerts or alarms based on the peak utilization percentage of each configured port during the specified polling interval. This threshold is configured on a per-port basis. Alerts or alarms are triggered for high port activity based on the following rules:

Enter condition: Actual percent peak utilization of a port is greater than or equal to the high threshold.

Clear condition: Actual percent peak utilization of a port is less than the 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.This threshold is configured on a per-port basis configured using the port *port-type slot#/port#* command syntax.

Important This command is not available on all platforms

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPortHighActivity** command in this mode.

Example

Use the following example to configure the polling interval over which to measure for high port activity to *300* seconds:

```
threshold poll port-high-activity interval 300
```

threshold poll port-rx-utilization interval

Configures the polling interval in seconds over which to measure the overall percentage of incoming traffic received over system ports.

Product All

Privilege Administrator Security Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll port-rx-utilization interval** *seconds*

interval *seconds*

Configures the threshold polling interval in multiples of 30 seconds. *seconds* is an integer from 30 to 60000. Default is 300 seconds.

Usage Guidelines Receive port utilization thresholds generate alerts or alarms based on the utilization percentage of each configured port in relation to data received during the specified polling interval. This threshold is configured on a per-port basis configured using the port *port-type slot#/port#* command syntax.

Important This command is not available on all platforms

Important Ports configured for half-duplex do not differentiate between data received and data transmitted. (The transmitted and received percentages are combined.) Therefore, to avoid redundant alarms, it is recommended that only the receive **or** transmit utilization threshold be configured.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPortRxUtil** command in this mode.

Example

Use the following example to configure a threshold poll interval of *300* seconds (5 minutes)

```
threshold poll port-rx-utilization interval 300
```

threshold poll port-tx-utilization

Configures the polling interval in seconds over which to measure the overall percentage of outgoing traffic sent over system ports.

Product All

Privilege Administrator Security Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll port-tx-utilization interval** *seconds*

interval *seconds*

Configures the threshold polling interval in multiples of 30 seconds. *seconds* is an integer from 30 through 60000. Default is 300 seconds.

Usage Guidelines Transmit port utilization thresholds generate alerts or alarms based on the utilization percentage of each configured port in relation to data transmitted during the specified polling interval. This threshold is configured on a per-port basis configured using the port *port-type slot#/port#* command syntax.

Important This command is not available on all platforms

Important Ports configured for half-duplex do not differentiate between data received and data transmitted. (The transmitted and received percentages are combined.) Therefore, to avoid redundant alarms, it is recommended that only the receive **or** transmit utilization threshold be configured.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPortTxUtil** command in this mode.

Example

Use the following example to configure a threshold poll interval of *300* seconds (5 minutes)

```
threshold poll port-tx-utilization interval 300
```

threshold poll ppp-setup-fail-rate interval

Configures the polling interval in seconds over which to measure for the percentage of point-to-point protocol (PPP) setup failures.

Product All

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description **threshold poll ppp-setup-fail-rate interval** *duration*

interval *duration*

Default: 900 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPPPSetupFailRate** command in this mode.

Example

The following command configures the polling interval to *600* seconds for PPP setup failures:

```
threshold poll ppp-setup-fail-rate interval 600
```

threshold poll reg-reply-error interval

Configures the polling interval over which to measure number of registration reply errors for Home Agent (HA) services.

Product

HA

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll reg-reply-error interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshHASvcRegReplyError** command in this mode.

Example

The following command configures the polling interval to *600* seconds for HA registration errors:

```
threshold poll reg-reply-error interval 600
```

threshold poll rereg-reply-error interval

Configures the polling interval over which to measure number of re-registration reply errors for HA services.

Product

HA

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description

threshold poll rereg-reply-error interval *duration*

interval *duration*

Default: 0 seconds.

Specifies the amount of time (in seconds) that comprises the polling interval.

duration must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold monitoring** and other threshold commands for additional information on the system's support for thresholds in this chapter.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshHASvcReregReplyError** command in this mode.

Example

The following command configures the polling interval to *600* seconds for HA re-registration reply errors:

```
threshold poll rereg-reply-error interval 600
```

threshold poll route-service interval

Configures the polling interval over which to count or measure the thresholding value for BGP route services on the system.

Product

All

Privilege

Administrator Security Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll route-service interval *dur*
default threshold poll route-service interval

default

Restores the threshold poll interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

dur is any integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important

All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important

To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshBGPRoutes** command in this mode.

Example

The following command configures the polling interval for the total BGP routes threshold polling duration value to *600* seconds (10 minutes):

```
threshold poll route-service interval 600
```

threshold poll rp-setup-fail-rate interval

Configures the polling interval over which to measure the percentage of RAN PDSN (RP) setup failures.

Product

PDSN

Privilege

Administrator Security Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll rp-setup-fail-rate interval *dur*
default threshold poll route-service interval

default

Restores the threshold poll interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

dur is any integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshRPSetupFailRate** command in this mode.

Example

The following command configures the polling interval for the RP setup fail rate polling duration value to *600* seconds (10 minutes):

hreshold poll rp-setup-fail-rate interval 600

threshold poll sess-flow-count interval

Configures the polling interval over which to measure the percentage of session manager flow count.

Product

All

Privilege

Administrator Security Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description

`threshold poll sess-flow-count interval` *`dur`*
`default threshold poll route-service interval`

default

Restores the threshold poll interval value to its default value.

interval *dur*

Specifies the amount of time (in seconds) that comprises the polling interval.

dur is any integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important

All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Example

The following command configures the polling interval for session manager flow count polling duration value to *600* seconds (10 minutes):

```
threshold poll sess-flow-count interval 600
```

threshold poll storage-utilization interval

Configures the polling interval over which to measure the percentage of management card flash memory utilization.

Product All

Privilege Administrator Security Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll storage-utilization interval *dur*
default threshold poll route-service interval

default

Restores the threshold poll interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

dur is any integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshStorageUtilization** command in this mode.

Example

The following command configures the polling interval for flash memory utilization polling duration value to *600* seconds (10 minutes):

```
threshold poll storage-utilization interval 600
```

threshold poll system-capacity interval

Configures the polling interval over which to measure the percentage of current system capacity.

Product All

Privilege Administrator Security Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll system-capacity interval *dur*
default threshold poll route-service interval

default

Restores the threshold poll interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

dur is any integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshSystemCapacity** command in this mode.

Example

The following command configures the polling interval for flash memory utilization polling duration value to *600* seconds (10 minutes):

threshold poll system-capacity interval 600

threshold poll total-asngw-sessions interval

Configures the polling interval over which to count or measure the thresholding value for the total number of sessions across all the ASN-GW services on a system to trigger an alert or alarm.

Product ASN-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description

`threshold poll total-asngw-sessions interval` *`time`*
`default threshold poll total-asngw-sessions interval`

default

Restores the threshold polling interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshASNGWSessions** command in this mode.

Example

The following command configures the polling interval for counting the total number of ASN-GW sessions across all the ASN-GW services on a system, to *600* seconds (10 minutes):

`threshold poll total-asngw-sessions interval 600`

threshold poll total-ggsn-sessions interval

Configures the polling interval over which to count or measure the thresholding value for the total number of sessions across all the GGSN services on a system to trigger an alert or alarm.

Product

GGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-ggsn-sessions interval *time*
default threshold poll total-ggsn-sessions interval

default

Restores the threshold polling interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshGGSNSessions** command in this mode.

Example

The following command configures the polling interval for counting the total number of GGSN sessions across all the GGSN services on a system, to *600* seconds (10 minutes):

threshold poll total-ggsn-sessions interval 600

threshold poll total-gprs-pdp-sessions interval

Configures the polling interval over which to count the total number of 2G-activated PDP contexts per GPRS sessions on the system.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

`[local]host_name(config)#`

Syntax Description

`threshold poll total-gprs-pdp-sessions interval` *`time`*
`default threshold poll total-gprs-pdp-sessions interval`

default

Restores the threshold polling interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshGPRSPDPSessions** command in this mode.

Example

The following command configures the polling interval for counting the total number of 2G-activated PDP contexts per GPRS sessions, to *600* seconds (10 minutes):

`threshold poll total-gprs-pdp-sessions interval 600`

threshold poll total-gprs-sessions interval

Configures the polling interval over which to count the total number of 2G-attached subscribers on the system.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-gprs-sessions interval *time*
default threshold poll total-gprs-sessions interval

default

Restores the threshold polling interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshGPRSSessions** command in this mode.

Example

The following command configures the polling interval for counting the total number of 2G-attached subscribers, to *600* seconds (10 minutes):

threshold poll total-gprs-sessions interval 600

threshold poll total-ha-sessions interval

Configures the polling interval over which to count the total number of Home Agent (HA) sessions on the system.

Product

HA

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-ha-sessions interval *time*
default threshold poll total-ha-sessions interval

default

Restores the threshold polling interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshHASessions** command in this mode.

Example

The following command configures the polling interval for counting the total number of HA sessions on the system, to *600* seconds (10 minutes):

```
threshold poll total-ha-sessions interval 600
```

threshold poll total-henbgw-henb-sessions

Important In Release 20, 21.0 and 21.1, HeNBGW is not supported. This command must not be used for HeNBGW in these releases. For more information, contact your Cisco account representative.

Configures the polling interval on how frequently the thresholds are polled for total HeNB-GW HeNB sessions.

Product

HeNB-GW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-henbgw-henb-sessions interval *time*
default threshold poll total-henbgw-henb-sessions interval

default

Restores the threshold polling interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable SNMP trap for threshold monitoring of this threshold use **snmp trap enable ThreshHeNBGWHenbSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds (10 minutes):

```
threshold poll total-henbgw-henb-sessions interval 600
```

threshold poll total-henbgw-ue-sessions

Important In Release 20, 21.0 and 21.1, HeNBGW is not supported. This command must not be used for HeNBGW in these releases. For more information, contact your Cisco account representative.

Configures the polling interval on how frequently the thresholds are polled for total HeNB-GW UE sessions.

Product

HeNB-GW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-henbgw-ue-sessions interval *time*
default threshold poll total-henbgw-ue-sessions interval

default

Restores the threshold polling interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable SNMP trap for threshold monitoring of this threshold use **snmp trap enable ThreshHeNBGWUeSessions** command in this mode.

Example

The following command configures the polling interval to *600* seconds (10 minutes) for HeNB-GW UE sessions:

```
threshold poll total-henbgw-henb-sessions interval 600
```

threshold poll total-hnbgw-hnb-sessions

Important In Release 20 and later, HNBGW is not supported. This command must not be used for HNBGW in Release 20 and later. For more information, contact your Cisco account representative.

Configures the polling interval over which to count or measure the thresholding value for the total number of IuH sessions between the HNB and HNB-GW to count across all the HNB-GW services on a system to trigger an alert or alarm.

Product HNB-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-hnbgw-hnb-sessions interval time
default threshold poll total-hnbgw-hnb-sessions interval
```

default

Restores the threshold polling interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable SNMP trap for threshold monitoring of this threshold use **snmp trap enable ThreshTotalHNBGWHnbSess** command in this mode.

Example

The following command configures the polling interval for counting the total number of HNB sessions between HNB and HNB-GW across all the HNB-GW services on a system, to *600* seconds (10 minutes):

```
threshold poll total-hnbgw-hnb-sessions interval 600
```

threshold poll total-hnbgw-iu-sessions

Important In Release 20 and later, HNBGW is not supported. This command must not be used for HNBGW in Release 20 and later. For more information, contact your Cisco account representative.

Configures the polling interval over which to count or measure the thresholding value for the total number of subscriber sessions on HNB-GW service (over Iu-CS/Iu-PS interface) to count across all the HNB-GW services on a system to trigger alert or alarm.

Product HNB-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-hnbgw-iu-sessions interval time
default threshold poll total-hnbgw-iu-sessions interval
```

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an value from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshTotalHNBGWIuSess** command in this mode.

Example

The following command configures the polling interval for counting the total number of subscriber sessions across all the HNB-GW services on a system, to *600* seconds (10 minutes):

```
threshold poll total-hnbgw-iu-sessions interval 600
```

threshold poll total-hnbgw-ue-sessions

Important In Release 20 and later, HNBGW is not supported. This command must not be used for HNBGW in Release 20 and later. For more information, contact your Cisco account representative.

Configures the polling interval over which to count or measure the thresholding value for the total number of UEs connected to HNB-GW service to count across all the HNB-GW services on a system to trigger alert or alarm.

Product

HNB-GW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-hnbgw-ue-sessions interval time
default threshold poll total-hnbgw-ue-sessions interval
```

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshTotalHNBGWUeSess** command in this mode.

Example

The following command configures the polling interval for the total number of UEs connected to an HNB-GW service across all the HNB-GW services on a system, to *600* seconds (10 minutes):

```
threshold poll total-hnbgw-ue-sessions interval 600
```

threshold poll total-hsgw-sessions interval

Configures the polling interval over which to count the total number of HRPD Serving Gateway (HSGW) sessions across all services in the system.

Product

HSGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-hsgw-sessions interval time
default threshold poll total-hsgw-sessions interval
```

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshHSGWSessions** command in this mode.

Example

The following command configures the polling interval for the total number of HSGW sessions across all the HSGW services on a system, to *600* seconds (10 minutes):

```
threshold poll total-hsgw-sessions interval 600
```

threshold poll total-lma-sessions interval

Configures the polling interval over which to count the total number of Local Mobility Anchor (LMA) sessions across all services in the system.

Product

P-GW

SAEGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-lma-sessions interval *time*
default threshold poll total-lma-sessions interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshLMASessions** command in this mode.

Example

The following command configures the polling interval for the total number of LMA sessions across all the LMA sessions on a system, to *600* seconds (10 minutes):

threshold poll total-lma-sessions interval 600

threshold poll total-lns-sessions interval

Configures the polling interval over which to count the total number of L2TP Network Server (LNS) sessions in the system.

Product

PDSN

GGSN

HA

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-lns-sessions interval *time*
default threshold poll total-lns-sessions interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshLNSSessions** command in this mode.

Example

The following command configures the polling interval for the total number of LNS sessions across all the LNS sessions on a system, to *600* seconds (10 minutes):

threshold poll total-lns-sessions interval 600

threshold poll total-mme-sessions

Configures the polling interval over which to count or measure the thresholding value for MME sessions on the system.

Product

MME

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-mme-sessions interval time
default threshold poll total-mme-sessions interval
```

default

Restores the threshold poll interval value to its default value of 900 seconds.

interval *time*

Default: 900 seconds

Specifies the polling interval (in seconds) for counting the total number of MME sessions on the system.

time must be an ny integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshMMESessions** command in this mode.

Example

The following command configures the polling interval for the total MME session threshold polling duration value to *600* seconds (10 minutes):

```
threshold poll total-mme-sessions interval 600
```

threshold poll total-pdsn-sessions interval

Configures the polling interval over which to count the total number of Packet Data Serving Node (PDSN) sessions in the system.

Product

PDSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-pdsn-sessions interval *time*
default threshold poll total-pdsn-sessions interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPDSNSessions** command in this mode.

Example

The following command configures the polling interval for the total number of PDSN sessions across all the PDSN sessions on a system, to *600* seconds (10 minutes):

threshold poll total-pdsn-sessions interval 600

threshold poll total-pgw-sessions interval

Configures the polling interval over which to count the total number of Packet Data Network Gateway (P-GW) sessions across all services in the system.

Product

P-GW

SAEGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-pgw-sessions interval *time*
default threshold poll total-pgw-sessions interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshPGWSessions** command in this mode.

Example

The following command configures the polling interval for the total number of P-GW sessions across all the P-GW sessions on a system, to *600* seconds (10 minutes):

threshold poll total-pgw-sessions interval 600

threshold poll total-saegw-sessions interval

Configures the polling interval over which to count the total number of System Architecture Evolution Gateway (SAEGW) sessions across all services in the system.

Product

SAEGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-saegw-sessions interval *time*
default threshold poll total-saegw-sessions interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Example

The following command configures the polling interval for the total number of SAEGW sessions on a system, to *600* seconds (10 minutes):

threshold poll total-saegw-sessions interval 600

threshold poll total-sgsn-pdp-sessions interval

Configures the polling interval over which to count the total number of PDP contexts for all Serving GPRS Support Node (SGSN) sessions in the system.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-sgsn-pdp-sessions interval time
default threshold poll total-sgsn-pdp-sessions interval
```

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshSGSNPDPSessions** command in this mode.

Example

The following command configures the polling interval for the total number of PDP contexts across all the SGSN sessions on a system, to *600* seconds (10 minutes):

```
threshold poll total-sgsn-pdp-sessions interval 600
```

threshold poll total-sgsn-sessions interval

Configures the polling interval over which to count the total number of SGSN sessions in the system.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

```
threshold poll total-sgsn-sessions interval time
default threshold poll total-sgsn-sessions interval
```

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshSGSNSessions** command in this mode.

Example

The following command configures the polling interval for the total number of SGSN sessions on a system, to *600* seconds (10 minutes):

```
threshold poll total-sgsn-sessions interval 600
```

threshold poll total-sgw-sessions interval

Configures the polling interval over which to count the total number of Serving Gateway (S-GW) sessions across all services in the system.

Product

S-GW

SAEGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-sgw-sessions interval *time*
default threshold poll total-sgw-sessions interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshSGWSessions** command in this mode.

Example

The following command configures the polling interval for the total number of S-GW sessions on a system, to *600* seconds (10 minutes):

threshold poll total-sgw-sessions interval 600

threshold poll total-subscriber interval

Configures the polling interval over which to count the total number of subscriber sessions across all services in the system.

Product

All

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

threshold poll total-subscriber interval *time*
default threshold poll total-subscriber interval

default

Restores the threshold poll interval value to its default value of 300 seconds.

interval *time*

Default: 300 seconds

Specifies the amount of time (in seconds) that comprises the polling interval.

time must be an integer from 30 through 60000.

Usage Guidelines

This command sets the time period over which to monitor the specified value for threshold crossing.

Important All configured polling intervals are rounded up to the closest multiple of 30. For example, if a polling interval is configured for 130 seconds, the system uses a polling interval of 150 seconds.

Refer to the **threshold model** and **threshold monitoring** commands for additional information on the system's support for thresholding.

Important To enable an SNMP trap for monitoring this threshold use the **snmp trap enable ThreshSubscriberTotal**command in this mode.

Example

The following command configures the polling interval for the total number of subscribers on a system, to *600* seconds (10 minutes):

threshold poll total-subscriber interval 600

threshold poll total-volume interval

The new CLI command is added to configure the volume monitoring window duration during which the threshold is checked.

Product

GGSN

P-GW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

configure

Entering the above command sequence results in the following prompt:

```
[local]host_name(config)#
```

Syntax Description

[default] threshold poll total-volume interval

default

Configures this command with the default threshold setting. The default value is 15 minutes.

total-volume

Configures total-volume threshold interval.

threshold poll total-volume interval

Enter the polling interval in seconds in the range of 300 to 14400 seconds.

Usage Guidelines

The new CLI command is added to configure the volume monitoring window duration during which the threshold is checked. This CLI is disabled by default.

Example

The following command configures the poll total volume interval to 300 seconds.

```
threshold poll total-volume interval 300
```