

CC

Change Card—PXM45, PXM1E

Use the **cc** command to change from the current CLI to the CLI of another card.

Syntax

```
cc <slot number>
```

Syntax Description

<i>slot number</i>	The number of the destination card slot.
--------------------	--

Related Commands

None

Attributes

Log: yes State: active, standby, init Privilege: ANYUSER

Example

Change from the command line of the AXSM in slot 12 to the command line of the PXM45 in slot 8.

```
MGX8850.12.AXSM.a > cc 8
```

```
(session redirected)
```

```
MGX8850.8.PXM.a >
```

If the slot is empty or the card is unreachable, the system displays an applicable message.

cd

Change Directory—PXM45, PXM1E

Use **cd** to change to another directory on the PXM45 hard disk.

Syntax

```
cd <directory_name>
```

Syntax Description

<i>directory_name</i>	Name of the destination directory.
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Related Commands

ls, **pwd**, **rename**, **rm/rmdir**, **copy**

Attributes

Log: yes State: active, standby, init Privilege: ANYUSE

Example

Change directory to FW, then check the result by executing **pwd**.

```
MGX8850.7.PXM.a > cd FW
```

```
MGX8850.7.PXM.a >
```

Verify the current directory by using the **pwd** command.

```
MGX8850.7.PXM.a > pwd
```

```
C:FW
```

Go back to Root directory, then check the result by running the **pwd** command.

```
MGX8850.7.PXM.a > cd..
```

```
MGX8850.7.PXM.a > pwd
```

```
C:
```

clidbxlevel

Command Line Interface Level—PXM45, PXM1E

The **clidbxlevel** command lets you display the attributes for a command. You must run **clidbxlevel** on each card where you want to change the level of displayed information. For example, if you use **clidbxlevel** on an AXSM in slot 2 and want to see the same level of information in slot 8, you must run **clidbxlevel** on the CLI in slot 8 and make the appropriate change. The attributes consist of:

- The required card state for execution
- The minimum user-privilege for the command
- Whether an incident of command execution appears in a log file

Syntax

```
clidbxlevel [level]
```

Syntax Description

level The level is either 0–3. If you do not include a level, the system states the current level.

Related Commands

None

Attributes

Log: no State: active, standby, init Privilege: SERVICE_GP

Example

Specify level 1 for the CLI. Obtain attributes for all “*user*” commands.

```
pop20one.7.PXM.a > clidbxlevel 1
Value of cliDbxLevel is now 1
pop20one.7.PXM.a >? user
```

Command	Access	Card	Log
adduser	GROUP1	A	+
cnfuser	GROUP1	A	-
deluser	GROUP1	A	+
dspusers	ANYUSER	A S	-
users	ANYUSER	A S	-

clradjlnalcnt

Clear Adjacent Card Alarm Count—PXM45, PXM1E

The **clradjlnalcnt** command lets you clear the statistical alarms and alarm counters for the adjacent back card in an automatic protection system (APS) configuration.



Note

The **clradjlnalcnt** command works for only inter-card APS.

Syntax

clradjlnalcnt *<bay.line>*

Syntax Description

<i>bay.line</i>	Identifies the bay (1 or 2) and the number of the line. The line number can be 1 to the highest numbered line on the back card.
-----------------	---

Related Commands

dspadjlnalm, dspadjlnalcnt

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

On the card in slot 3, clear the alarm count for the card adjacent to bay 1, line 1. Check the alarm status for the same adjacent bay and line.

```
MGX8850.3.AXSME.a > clradjlnalcnt 1.1
```

```
MGX8850.3.AXSME.a > dspadjlnalm 1.1
```

```
Line Number           : 1.1
Section Alarm State   : Clear
Line Alarm State      : Clear
Path Alarm State      : Clear
Section Stat Alarm State: Clear
Line Stat Alarm State : Clear
Path Stat Alarm State : Clear
LOCD Alarm State      : Clear
```

clrallcnf

Clear All Configurations—PXM45, PXM1E

The **clrallcnf** command clears all configurations for all the cards in the node. After you enter the command, the system prompts you to confirm the action.

Note that the presence of SCT files on the hard drive are a part of the switch's configuration, so these files are deleted. You must reinstall SCT files by using the **addsect** command unless the configuration was saved through the **saveallcnf** command.

Before using the **clrallcnf** command, consider whether the situation calls for you to run the **saveallcnf** command before the **clrallcnf** command.



Caution

Be absolutely sure you need to use this command because it clears all configuration files on the PXM. After **clrallcnf**, you must reconfigure the switch. The **clrcnf** command clears fewer files.

Syntax

clrallcnf

Related Commands

saveallcnf, **restoreallcnf**, **clrcnf**

Attributes

Log: yes State: active, init Privilege: SERVICE_GP

Example

Clear all the configuration elements for all the cards in the node.

```
node1.7.PXM.a > clrallcnf
All SM's config will be deleted, and
the shelf will be reset.
Do you want to proceed (Yes/No)?
```

clralmct

Clear Alarm Counters—PXM45, PXM1E

Clear all the alarm counters and statistics on the specified line on the current card. All counters are reset to 0. All statistical alarms that are displayed by **dspalms** and **dspalmct** are cleared. The system does not display a response unless it detects a syntax error.

Syntax

```
clralmct <bay.line>
```

Syntax Description

<i>bay.line</i>	Identifies the bay (1 or 2) and the number of the line. The line number can be 1 to the highest numbered line on the back card.
-----------------	---

Related Commands

dspalmct

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear the alarms on line 1 or the lower back card.

```
mgx8830.1.PXM1E.a > clralmct 2.1
```

clrbeent

Clear Bit Error Count—PXM45, PXM1E

The **clrbeent** command lets you clear the APS-related bit error counters for a working line. To see the contents of the error counters, use the **dspbeent** command.

Syntax

```
clrbeent <working-bay.line>
```

Syntax Description

<i>working-slot</i>	The slot number depends on the chassis as well as the type of card, as follows: <ul style="list-style-type: none"> • For PXM45 in an MGX 8850 chassis, <i>slot</i> is 15 or 31. • For PXM1E in an MGX 8850 chassis: <ul style="list-style-type: none"> – For the UNI/NNI back card, <i>slot</i> is 7. – For the SRME, <i>slot</i> is 15 or 31. • For PXM1E in an MGX 8830 chassis: <ul style="list-style-type: none"> – For the UNI/NNI back card, <i>slot</i> is 1. – For the SRME, <i>slot</i> is 7.
<i>bay</i>	The bay number is present only for consistency with legacy purposes (the <i>slot number</i> uniquely identifies the location of the card) The <i>bay</i> is a fixed logical number that depends on the card, as follows: <ul style="list-style-type: none"> • For SRME, <i>bay</i> always is 1. • For the PXM1E interface, <i>bay</i> always is 2.
<i>line</i>	On the PXM1E OC3c/STM1 back card, the line depends on the back card type, as follows: <ul style="list-style-type: none"> • 9–12 on the combo card • 1–4 on the regular, 4-line card • 1–8 on the regular, 8-line card On an SRME, the line number always is 1.

Related Commands

dspbeent

Attributes

Log: no State: active Privilege: SERVICE_GP

Example

```
Sunnyvale.5.AXSME.a > clrbeent 1.3
```

```
Do you want to clear the bit error count in line 4.1.3 [Y/N]? y
```

```
The Count for line 4.1.3 is cleared
```

```
Do you want to clear the bit error count in line 5.1.3 [Y/N]? y
```

```
The Count for line 5.1.3 is cleared
```

clrchanct

Clear Channel Counters—PXM1E

Clear all counters for ATM cells on a connection (channel). The command applies to an SVC or an SPVC. For a list of displayed counters, see the example of **dspchanct**. Once you execute **clrchanct**, the previous counter contents are unrecoverable.



Note

This command also runs on narrowband service modules (NBSMs) under control of the PXM1E. See documentation for specific NBSMs.

Syntax

```
clrchanct <ifNum> <vpi> <vci>
```

Syntax Description

<i>ifNum</i>	The logical port number has a range of 1–31.
<i>vpi</i>	The VPI has the range 0–255 for a UNI or 0–4095 for a UNI or VNNI.
<i>vci</i>	For a VCC, the VCI in the range 32–65535. For a VPC, the VCI is 0.

Related Commands

dspchanct

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear all the connection counters for connection 100.1000 on logical port 3.

```
node1.7.PXM1E.a > clrchanct 3 100 1000
```

clrchancnt

Clear Channel Counters—PXM1E

Clear all counters for ATM cells on a connection (channel). The command applies to an SVC or an SPVC. For a list of displayed counters, see the example of **dspchancnt**. Once you execute **clrchancnt**, the previous counter contents are unrecoverable.



Note

This command also runs on narrowband service modules (NBSMs) under control of the PXM1E. See documentation for specific NBSMs.

Syntax

```
clrchancnt <ifNum> <vpi> <vci>
```

Syntax Description

<i>ifNum</i>	The logical port number has a range of 1–31.
<i>vpi</i>	The VPI has the range 0–255 for a UNI or 0–4095 for a UNI or VNNI.
<i>vci</i>	For a VCC, the VCI in the range 32–65535. For a VPC, the VCI is 0.

Related Commands

dspchancnt

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear all the connection counters for connection 100.1000 on logical port 3.

```
node1.7.PXM1E.a > clrchancnt 3 100 1000
```

clrchancnts

Clear Channel Counters—PXM1E

Clears the statistics counters on all connections.

Syntax

```
clrchancnts
```

Syntax Description

This command takes no parameters.

Related Commands

`dspchancnt`, `clrchanent`

Attributes

Log: yes

State: active

Privilege: SUPER_GP

Example

Clear all channel counters.

```
SunnyVale.7.PXM1E.a > clrchancnts
```

clrcnf

Clear Configurations—PXM45, PXM1E

Clears the configuration then reboots the switch. This command restarts the switch with a new configuration but keeps the basic configuration for the switch—IP connectivity, for example. The **clrcnf** command is useful if you frequently reset the switch but do not want to reconfigure basic settings. The information that is deleted and the retained information appear in the lists that follow.

The items that **clrcnf** clears is the:

- Connections
- Line and port configurations
- Resource partitioning
- Redundancy configuration for Y-cable or APS
- ATM address and PNNI configuration
- Other physical and logical provisioning

The following information is automatically saved then restored after reboot:

- IP address information for LAN, ATM, and SLIP
- SVC address information for ATM port for IP connectivity
- PVC address information for ATM port for IP connectivity
- Up to 51 records for user ID (login), passwords, and access levels
- CLI special configuration options (cntpAuthParams)
- One record for user-authentication parameters
- One record for long or short warnings for user-login
- Up to 25 records of user IDs
- RTMData (trap configuration for shelf IP and trap managers)
- Trap manager IP/port
- One record for shelf trap IP
- Correct primary and secondary software version for all slots
- SNMP community string, contact and location
- Node name
- Date, time, time zone, and GMT offset



Caution

Be sure you actually need to run **clrcnf** because it clears a significant number of configuration files. After you enter the command, the system prompts you to confirm the action.

Syntax

```
clrcnf
```

Syntax Description

This command takes no parameters.

Related Commands

None

Attributes

Log: no

State: active

Privilege: SERVICE_GP

Example

Clear all the configuration elements for all the cards in the node. The system prompts for confirmation.

```
node1.7.PXM.a > clrcnf  
All SM's disk config will be deleted, and  
the shelf will be reset.  
Do you want to proceed (Yes/No)?
```

clircontracebuffer

Clear Connection Trace Buffer—PXM45, PXM1E

The **clircontracebuffer** command clears the trace buffer for an individual connection trace. The **contrace** command starts the trace, and the **dspcontracebuffer** displays the results of the trace. The **dspontracebuffers** command lists all existing connection traces.

Syntax

```
clircontracebuffer <portid> <vpi> <vci>
```

Syntax Description

portid The format of the PNNI physical port identifier can vary, as follows:

- On a PXM45: *slot:subslot.port:subport*
- On a PXM1E for UNI/NNI back card: *slot:subslot.port:subport*. On the UNI/NNI back card, the subslot is always 2, but the *slot* depends on the chassis, as follows:
 - In an MGX 8850 chassis, *slot* is always the logical slot 7.
 - In an MGX 8830 chassis, *slot* is always the logical slot 1.
- On a PXM1E for a narrowband service module (NBSM): *slot.port*.

For more details, see the section, “[PNNI Format](#),” in [Chapter 1, “Introduction.”](#)

vpi The VPI of the connection.

vci The VCI of the connection.

Related Commands

contrace, **clircontracebuffers**, **dspontracebuffer**, **dspontracebuffers**

Attributes

Log: yes

State: active

Privilege: SUPER_GP

clrcontracebuffers

Clear Connection Trace Buffers—PXM45, PXM1E

The **clrcontracebuffers** command clears the entire connection trace buffer. The buffer can hold up to 100 connection traces. To see a list of all connection traces, use the **dspcontracebuffers** command.

Syntax

```
clrcontracebuffers
```

Syntax Description

This command takes no parameters.

Related Commands

conntrace, **clrcontracebuffer**, **dspcontracebuffer**, **dspcontracebuffers**

Attributes

Log: yes

State: active

Privilege: SUPER_GP

clrcugdefaddr

Clear CUG Default Address—PXM45

The **clrcugdefaddr** command lets you remove the designation of *default address prefix* from a PNNI port. This default address prefix supports a validation function for the Closed User Group (CUG) features. When this command finishes, any CUGs on the cleared address remain, but the address is no longer the default. See the **setcugdefaddr** description for details on the default address for CUGs.

Syntax

```
clrcugdefaddr <portid>
```

Syntax Description

<i>portid</i>	The format of the physical port identifier can vary, as follows: <ul style="list-style-type: none"> • On a PXM45: <i>slot:subslot.port:subport</i> • On a PXM1E for UNI/NNI back card: <i>slot:subslot.port:subport</i>. On the UNI/NNI back card, the subslot is always 2, but the <i>slot</i> depends on the chassis, as follows: <ul style="list-style-type: none"> – In an MGX 8850 chassis, <i>slot</i> is always the logical slot 7. – In an MGX 8830 chassis, <i>slot</i> is always the logical slot 1. • On a PXM1E for a narrowband service module (NBSM): <i>slot.port</i>.
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For more details, see the section, “PNNI Format,” in [Chapter 1, “Introduction.”](#)

Related Commands

addcug, cnfcug, cnfaddrcug, cnfnodecug, delcug, dspaddrcug, dspcug, dspcugdefaddr, dspnodecug, setcugdefaddr

Attributes

log: yes State: active Privilege: GROUP1

Example

Clear the default CUG address from port 3:1.7:7.

```
Geneva.7.PXM.a > clrcugdefaddr 3:1.7:7
```

clrdiagerr

Clear Diagnostics Errors—PXM45, PXM1E

Clears all diagnostics error messages that are currently in memory.



Note

See the **cnfdiag** description for information on the diagnostic configuration.

Syntax

```
clrdiagerr <slot>
```

Syntax Description

<i>slot</i>	The physical slot of the card for which to clear the diagnostics errors.
-------------	--

Related Commands

dspdiagerr

Attributes

Log: no State: active, standby Privilege: SERVICE_GP

Example

Clear diag errors for slot 7.

```
clrdiagerr 7
```

clrdiagstat

Clear Diagnostics Statistics—PXM45, PXM1E

This command clears all the diagnostic statistics currently in memory. The diagnostics statistics program keeps count of how many times the diagnostics have run.



Note

See the **cnfdiag** command for a description of the diagnostic configuration.

Syntax

```
clrdiagstat <slot>
```

Syntax Description

slot The physical slot for which you are clearing the diagnostics statistics.

Related Commands

dspdiagstat

Attributes

Log: yes State: active, standby Privilege: SERVICE_GP

Example

Clear the diagnostic statistics for slot 8 then check the statistics by using **dspdiagstat**.

```
PXM1E_SJ.8.PXM.a > clrdiagstat 8
PXM1E_SJ.8.PXM.a > dspdiagstat 8
```

```
Slot 8 diagnostics statistics:
```

```
online diag attempted = 0x00000000
online diag passed    = 0x00000000
online diag failed    = 0x00000000
offline diag attempted = 0x00000000
offline diag passed    = 0x00000000
offline diag failed    = 0x00000000
```

```
PXM1E_SJ.8.PXM.a >
```

clrerr

Clear Error—PXM45, PXM1E

Clear all error log files. After you execute **clrerr**, the information is unrecoverable. The cleared information consists of system-level or internal errors and so applies more to developers and individuals capable of internal troubleshooting. To see the information that **clrerr** removes, see **dsperr**.

After you enter **clrerr**, the system prompts you to confirm that you want to clear all error log files.

Syntax

```
clrerr <-s1 slot>
```

Syntax Description

-s1	Number of the slot. The value of <i>slot</i> is any slot in the switch.
------------	---

Related Commands

dsperr

Attributes

Log: no State: active, standby Privilege: SUPER_GP

Example

Clear all error log files on the PXM45.

```
pinnacle.7.PXM.a > clrerr  
Do you want to clear error log file (Yes/No)?
```

clrerrhist

Clear Error History—PXM45, PXM1E

The **clrerrhist** commands resets the contents of the error history file for a particular card. Although you execute this command on the CLI of the PXM, you can specify the error history of any slot. For a list of the information fields in an error history file, see the description of **dsperrhist**.

Syntax

```
clrerrhist [slot]
```

Syntax Description

<i>slot</i>	Number of the slot—any slot in the switch. If you do not enter a slot number, the system clears the error history on the current PXM.
-------------	---

Related Commands

dsperrhist

Attributes

Log: no State: active, standby, init Privilege: ANYUSER

Example

Clear the error history for the current PXM. The system returns a message indicating whether the operation succeeded.

```
pop20one.7.PXM.a > clrerrhist 7  
Log of Errors and Failures for slot# 7 is cleared
```

clrimadelay

Clear IMA Delay—PXM1E

The **clrimadelay** command clears the accumulated delay for an IMA group. The delay is specified through the **addimagrp** command.

Syntax

```
clrimadelay <group>
```

Syntax Description

<i>group</i>	The <i>group</i> has the format <i>bay.group</i> and the following possible values:
	<ul style="list-style-type: none">• <i>bay</i>: always 2 on a PXM1E• <i>group</i>: 1–16

Related Commands

addimagrp, **delimagrp**, **dspimagrp**, **dspimagrps**, **cnfimagrp**, **rstimagrp**, **dspimalnk**, **addimalnk**, **delimalnk**

Attributes

Log: yes State: active Privilege: GROUP1

Example

clrimagrpcnt

Clear IMA Group Counter—PXM1E

This command clears all performance and statistic counters of an IMA group.

Syntax

```
clrimagrpcnt <group>
```

Syntax Description

<i>group</i>	The <i>group</i> has the format <i>bay.group</i> and the following possible values:
	<ul style="list-style-type: none"> • <i>bay</i>: always 2 on a PXM1E • <i>group</i>: 1–16

Related Commands

addimagrp, delimagrp, dspimagrp, dspimagrps, cnfimagrps, rstimagrp, dspimalnk, addimalnk, delimalnk

Attributes

Log: yes State: active Privilege: GROUP1

Example

Clear IMA group counter bay 2, group 16:

```
MGX8850.7.PXM1E.a > clrimagrpcnt 2.16
```

clrimagrpcnts

Clear IMA Group Alarm Counters—PXM1E

Clears all the alarm counters for all configured IMA groups.

Syntax

```
clrimagrpalments
```

Syntax Description

No parameters

Related Commands

clrimagrpalment, clrimagrpcnts, clrimalnkcnts, dspimagrpalment, dspimagrpbucketent, dspimalnkbucketent

Attributes

Log: yes

State: active

Privilege: SUPER_GP

Example

```
MGX8850.7.PXM1E.a > clrimagrpalments
```

```
MGX8850.7.PXM1E.a >
```

clrimalnkcnt

Clear IMA Link Counter—PXM1E

This command clears all IMA Link performance and statistic counters on the specified DS1 (link).

Syntax

```
clrimalnkcnt <link>
```

Syntax Description

<i>link</i>	The <i>link</i> has the format <i>bay.link</i> and the following possible values: <ul style="list-style-type: none"> • <i>bay</i>: always 2 on a PXM1E • <i>link</i>: 1–16
-------------	--

Related Commands

clrimalnkcnts, dspimagrps, dspimagrps, dspimagrps, addimalnk, delimalnk, dspimalnk

Attributes

Log: yes State: active Privilege: GROUP1

Example

To clear the link designated as bay 2, ds1 line 16:

```
MGX8850.7.PXM1E.a > clrimalnkcnt 2.16
```


clrilmicnt

Clear ILMI Counters—PXM1E

Clears the ILMI statistics for a partition and logical interface (or port) on a service module.

Syntax

```
clrilmicnt <ifNum> <partId>
```

Syntax Description

<i>ifNum</i>	The range for logical interface is 1–31.
<i>partId</i>	The ranges for partition identifier is 1–20.

Related Commands

dspilmicnt, **dspilmi**, **dspilmis**

Attributes

Log: yes State: active Privilege: SUPER_GP

Examples

Clear the ILMI statistics for logical interface 1, resource partition 1. Before doing so, confirm the existence of these entities by executing **dspparts**.

```
pop20two.1.AXSM.a > dspparts
if part Ctlr egr      egr      ingr      ingr      min max  min  max  min  max
Num ID   ID   GuarBw MaxBw  GuarBw MaxBw  vpi vpi  vci  vci  conn conn
          (.0001%) (.0001%) (.0001%) (.0001%)
-----
  1   1   2   10000  10000  10000  10000  10  100  100  1000  0   10
```

```
pop20two.1.AXSM.a > clrilmicnt 1 1
ilmi stats for ifNum 1, partId 1 cleared
```

clrlnct

Clear Line Counters—PXM1E

The **clrlnct** command clears line counters. See **dsplnct** for descriptions of the counters. The system returns a response only if an error occurs.

Syntax

```
clrlnct <bay.line>
```

Syntax Description

<i>bay.line</i>	Identifies the bay and the number of the line. <ul style="list-style-type: none">• <i>bay</i> is always 2.• <i>line</i> can be 1 to the highest numbered line on the back card.
-----------------	--

Related Commands

dsplnct

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

clrlog

Clear Log—PXM45, PXM1E

Use the **clrlog** command to clear either a specific log file or all log files. The log resumes accumulating event messages after the command executes.

Syntax

```
clrlog [-log <log>]
```

Syntax Description

-log	Specifies the type of log file (<i>log</i>) to clear. See dsplog for a list of the types of logs files.
-------------	--

Related Commands

dsplog, **dsplogs**

Attributes

Log: yes State: active, standby Privilege: SUPER_GP

Example

Clear all event log files on the PXM45 card.

```
wilco.7.PXM.a > clrlog  
Do you want to clear log files (Yes/No)? y
```

clrloginmsg

Clear Login Message—PXM45, PXM1E

The **clrloginmsg** command lets you delete the message that appears when any user logs into the switch. See the **cnfloginmsg** description for details about login messages. Use the **dsploginmsg** command to see the login message.

Syntax

```
clrloginmsg
```

Syntax Description

This command takes no parameters.

Related Commands

dsploginmsg, **cnfloginmsg**

Attributes

Log: yes State: active, standby, init Privilege: ANYUSER

Example

Delete the login message, then confirm that no login message exists by using **dsploginmsg**.

```
M8950_DC.7.PXM.a > clrloginmsg  
Login message reset
```

```
M8950_DC.7.PXM.a > dsploginmsg
```

```
M8950_DC.7.PXM.a >
```

clrnodalconstats

Clear Nodal Connection Statistics—PXM45, PXM1E

The **clrnodalconstats** command clears certain node-level, SPVC-related statistics. The statistics are the number of SPVCs that have been successfully routed and the number of SPVCs that have failed to route from the current node since the last time the statistics were cleared.

Syntax

```
clrnodalconstats
```

Syntax Description

This command takes no parameters.

Related Commands

dspnodalconstats, **dspportconstats**, **clrportconstats**

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

After checking the nodal SPVC statistics, clear these statistics and again check the statistics.

```
PXM1E_SJ.7.PXM.a > dspnodalconstats

SPVC connection stats for this node
-----

Num con success at orig node:    75620
Num con fail at orig node   :    39578

PXM1E_SJ.7.PXM.a > clrnodalconstats

PXM1E_SJ.7.PXM.a > dspnodalconstats

SPVC connection stats for this node
-----

Num con success at orig node:      0
Num con fail at orig node   :      0

PXM1E_SJ.7.PXM.a >
```

clrpathtracebuffer

Clear Path Trace Buffer—PXM45, PXM1E

The `clrpathtracebuffer` command clears the path trace buffer for an individual connection.

Syntax

```
clrpathtracebuffer <portid> <vpi> <vci>
```

Syntax Description

portid The format of the PNNI physical port identifier can vary, as follows:

- On a PXM45: *slot:subslot.port:subport*
- On a PXM1E for UNI/NNI back card: *slot:subslot.port:subport*. On the UNI/NNI back card, the subslot is always 2, but the *slot* depends on the chassis, as follows:
 - In an MGX 8850 chassis, *slot* is always the logical slot 7.
 - In an MGX 8830 chassis, *slot* is always the logical slot 1.
- On a PXM1E for a narrowband service module (NBSM): *slot.port*.

For more details, see the section, “PNNI Format,” in [Chapter 1, “Introduction.”](#)

vpi The VPI of the connection.

vci The VCI of the connection.

Related Commands

`clrpathtracebuffers`, `dsppathtracebuffer`, `dsppathtracebuffers`

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear the path trace buffer for connection 10 100 on port 3:1.2:2.

```
Geneva.7.PXM.a > clrpathtracebuffer 3:1.2:2 10 100
```

clrpathtracebuffers

Clear Path Trace Buffers—PXM45, PXM1E

The `clrpathtracebuffers` command clears the path trace buffer for every connection on the switch.

Syntax

```
clrpathtracebuffers
```

Syntax Description

This command takes no parameters.

Related Commands

`clrpathtracebuffer`, `dsppathtracebuffer`, `dsppathtracebuffers`

Attributes

Log: yes

State: active

Privilege: SUPER_GP

Example

clrpncn

Clear PNNI Connection—PXM45, PXM1E

The **clrpncn** command lets you delete from a PNNI port either of the following:

- A specific SVC or SVP
- All SVCs or SVPs

For an SPVC or SPVP, use **delcon** to delete the endpoints. If you attempt to delete an SPVC or SPVP with the **clrpncn** command, the switch deletes the connection but then automatically attempts to reroute it.

Using clrpncn to Delete a P2MP Connection

The following effects result when the connection endpoint you identify by using the *endpoint reference* belongs to a point-to-multipoint (P2MP) call:

- If you specify the root endpoint, PNNI releases the entire P2MP connection (the root, all leaves, and all parties).
- If you specify a leaf endpoint, PNNI releases only the parties corresponding to that leaf.
- If the endpoint reference is that of a party, your use of **clrpncn** deletes just that party.

If you want to clear just a leaf or party portion of a P2MP call, you should identify the call with the endpoint reference. (See “Syntax.”) If you do not provide the endpoint reference for a P2MP connection:

- You must identify the connection by using the port ID, VPI, and VCI.
- PNNI will release the root, all leaves, and all parties associated with the P2MP connection

Syntax

```
clrpncn <portid> {all | vpi} [vci] [epRef]
```

Syntax Description

<i>portid</i>	<p>The format of the PNNI physical port identifier varies by card type and chassis:</p> <ul style="list-style-type: none"> • On a PXM45: <i>slot:subslot.port:subport</i>. • On a PXM1E for UNI/NNI back card: <i>slot:subslot.port:subport</i>. On the UNI/NNI back card, <i>subslot</i> is always 2. The <i>slot</i> depends on the chassis: <ul style="list-style-type: none"> – In an MGX 8850 chassis, <i>slot</i> is always logical slot 7. – In an MGX 8830 chassis, <i>slot</i> is always logical slot 1. • On a PXM1E for a narrow band service module (NBSM): <i>slot.port</i>. <p>For more details, see the section “PNNI Format,” in Chapter 1, “Introduction.”</p>
all <i>vpi</i>	<p>Specifies either all VPIs on the port or a specific VPI.</p> <p>Possible values are either the string “all” or a VPI in the range 0–4095.</p>

<i>vci</i>	VCI of a specific SVC to clear. If you are clearing a virtual path connection (VPC), do not enter a VCI.
<i>epref</i>	The optional endpoint reference allows you to select a single leaf to release. This parameter applies to P2MP connections. If you do not specify a leaf and the connection is P2MP, the entire connection is released.

Related Commands

dsppncn, **dsppncns**

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

First, list the connections on the port to identify the specific connection to delete. For this example, use **clrpncn** to release the connection on port 1:1.2:2 with the VPI/VCI or 1 100. This connection is the first in the display output. Thereafter, use **dsppncns** to check the results.

```
Geneva.7.PXM.a > dsppncns
```

Port	VPI	VCI	CallRef	X-Port	VPI	VCI	CallRef	Type	OAM-Type
1:1.2:2	1	100	33	1:1.2:2	1	101	32	PTP	No
Calling-Addr:47.00918100000000107be92f3d.000001011802.00									
Called-Addr:47.00918100000000107be92f3d.000001011802.00									
1:1.2:2	1	101	32	1:1.2:2	1	100	33	PTP	No
Calling-Addr:47.00918100000000107be92f3d.000001011802.00									
Called-Addr:47.00918100000000107be92f3d.000001011802.00									
1:1.2:2	2	200	34	1:1.6:6	0	49	8388609	PTP	No
Calling-Addr:47.00918100000000107be92f3f.000001011804.00									
Called-Addr:47.00918100000000107be92f3d.000001011802.00									
1:1.6:6	0	49	8388609	1:1.2:2	2	200	34	PTP	No
Calling-Addr:47.00918100000000107be92f3f.000001011804.00									
Called-Addr:47.00918100000000107be92f3d.000001011802.00									

```
Geneva.7.PXM.a > clrpncn 1:1.2:2 1 100
```

```
Geneva.7.PXM.a > dsppncns
```

Port	VPI	VCI	CallRef	X-Port	VPI	VCI	CallRef	Type	OAM-Type
1:1.2:2	2	200	34	1:1.6:6	0	49	8388609	PTP	No
Calling-Addr:47.00918100000000107be92f3f.000001011804.00									
Called-Addr:47.00918100000000107be92f3d.000001011802.00									
1:1.6:6	0	49	8388609	1:1.2:2	2	200	34	PTP	No
Calling-Addr:47.00918100000000107be92f3f.000001011804.00									
Called-Addr:47.00918100000000107be92f3d.000001011802.00									

```
Geneva.7.PXM.a >
```

clrpncstats

Clear PNNI Connection Statistics—PXM45, PXM1E

The `clrpncstats` command clears call statistics for one logical PNNI port or all PNNI ports.

Syntax

```
clrpncstats [portid]
```

Syntax Description

<i>portid</i>	The format of the PNNI physical port identifier can vary, as follows: <ul style="list-style-type: none">• On a PXM45: <i>slot:subslot.port:subport</i>• On a PXM1E for UNI/NNI back card: <i>slot:subslot.port:subport</i>. On the UNI/NNI back card, the subslot is always 2, but the <i>slot</i> depends on the chassis, as follows:<ul style="list-style-type: none">– In an MGX 8850 chassis, <i>slot</i> is always the logical slot 7.– In an MGX 8830 chassis, <i>slot</i> is always the logical slot 1.• On a PXM1E for a narrowband service module (NBSM): <i>slot.port</i>.
---------------	---

For more details, see the section, “PNNI Format,” in [Chapter 1, “Introduction.”](#)

Related Commands

`dsppncstats`

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Display PNNI connection statistics for port 7:2.2:2. Clear the statistics then re-display them.

```
PXM1E_SJ.7.PXM.a > dsppncnstats 7:2.2:2

Call Statistics for 7:2.2:2
Incoming Call Attempts:    516           Outgoing Call Attempts:    311
Incoming Call Success:     18           Outgoing Call Success:     516
Incoming Call Failures:    0           Outgoing Call Failures:    0
Incoming Filtering Failures:0           Outgoing Filtering Failures : 0
Incoming Routing Failures: 0           Outgoing Routing Failures : 0
Incoming CAC Failures:     0           Outgoing CAC Failures :    0
Incoming Timer Failures:   0           Outgoing Timer Failures :   0
Incoming Crankback Failures:0           Outgoing Crankback Failures : 0

PXM1E_SJ.7.PXM.a > clrpncnstats 7:2.2:2

PXM1E_SJ.7.PXM.a > dsppncnstats 7:2.2:2

Call Statistics for 7:2.2:2
Incoming Call Attempts:    0           Outgoing Call Attempts:    0
Incoming Call Success:     0           Outgoing Call Success:     0
Incoming Call Failures:    0           Outgoing Call Failures:    0
Incoming Filtering Failures:0           Outgoing Filtering Failures : 0
Incoming Routing Failures: 0           Outgoing Routing Failures : 0
Incoming CAC Failures:     0           Outgoing CAC Failures :    0
Incoming Timer Failures:   0           Outgoing Timer Failures :   0
Incoming Crankback Failures:0           Outgoing Crankback Failures : 0

PXM1E_SJ.7.PXM.a >
```

clrportcnt

Clear Port Counters—PXM1E

Clear counter values on a specific logical port.

Syntax

```
clrportcnt <ifNum>
```

Syntax Description

<i>ifNum</i>	The logical port number has a range of 1–31.
--------------	--

Related Commands

clrportcnts, dspportcnt

Attributes

Log: yes

State: active

Privilege: SUPER_GP

Example

Display the counters for logical interface 1. then clear the counters on port 1. Check the port counters after clearing them.

```
M8850_NY.7.PXM1E.a > dspportcnt 1
```

```
Cleared at      : 10/26/2001 00:00:44
Current time    : 12/02/2001 21:44:41
Elapsed time    : 37 day(s) 21:43:21 [hh:mm:ss]
```

		Total	Running Avg (cps)	Peak
Arrival CLP0	Ing:	0000000000000007326214	2	21
Arrival CLP1	Ing:	0000000000000000000000	0	0
Ar CLP0 discard	Ing:	0000000000000000000056	0	3
Ar CLP1 discard	Ing:	0000000000000000000000	0	0
Departure CLP0	Ing:	0000000000000007326211	2	21
Departure CLP1	Ing:	0000000000000000000000	0	0
Arrival CLP0	Egr:	0000000000000007326217	2	21
Arrival CLP1	Egr:	0000000000000000000000	0	0
Ar CLP0 discard	Egr:	0000000000000000000000	0	0
Ar CLP1 discard	Egr:	0000000000000000000000	0	0
Departure CLP0	Egr:	0000000000000007326218	2	21
Departure CLP1	Egr:	0000000000000000000000	0	0

```
M8850_NY.7.PXM1E.a > clrportcnt 1
```

```
M8850_NY.7.PXM1E.a > dspportcnt 1
```

```
Cleared at      : 12/02/2001 21:44:56
Current time    : 12/02/2001 21:45:19
Elapsed time    : 0 day(s) 0:0:22 [hh:mm:ss]
```

		Total	Running Avg (cps)	Peak
Arrival CLP0	Ing:	0000000000000000000054	2	2
Arrival CLP1	Ing:	0000000000000000000000	0	0
Ar CLP0 discard	Ing:	0000000000000000000000	0	0
Ar CLP1 discard	Ing:	0000000000000000000000	0	0
Departure CLP0	Ing:	0000000000000000000054	2	2
Departure CLP1	Ing:	0000000000000000000000	0	0
Arrival CLP0	Egr:	0000000000000000000051	2	2
Arrival CLP1	Egr:	0000000000000000000000	0	0
Ar CLP0 discard	Egr:	0000000000000000000000	0	0
Ar CLP1 discard	Egr:	0000000000000000000000	0	0
Departure CLP0	Egr:	0000000000000000000051	2	2
Departure CLP1	Egr:	0000000000000000000000	0	0

clrportconstats

Clear Port Connection Statistics—PXM45, PXM1E

The **clrportconstats** command clears certain SPVC-related statistics at the port level. The statistics relate to successful and failed routing attempts since the last time the statistics were cleared. For a description of these particular statistics, see the **dsportconstats** description. You can clear the statistics for a specific port or all ports.

Syntax

```
clrportconstats [portid]
```

Syntax Description

portid The format of the optional PNNI physical port identifier can vary, as follows:

- On a PXM45: *slot:subslot.port:subport*
- On a PXM1E for UNI/NNI back card: *slot:subslot.port:subport*. On the UNI/NNI back card, the subslot is always 2, but the *slot* depends on the chassis, as follows:
 - In an MGX 8850 chassis, *slot* is always the logical slot 7.
 - In an MGX 8830 chassis, *slot* is always the logical slot 1.
- On a PXM1E for a narrowband service module (NBSM): *slot.port*.

For more details, see the section, “PNNI Format,” in [Chapter 1, “Introduction.”](#)

Related Commands

dsportconstats, **dspnodalconstats**, **clrnodalconstats**

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear SPVC routing statistics for port 3:1.1:1.

```
spvc4.7.PXM.a > clrportconstats 3:1.1:1
```

clrqosdefault

Clear Quality of Service Defaults—PXM45, PXM1E

The **clrqosdefault** command clears the defaults for QoS values on the switch. For information on the switch-level QoS defaults, see the description of **cnfqosdefault**.

Syntax

```
clrqosdefault
```

Syntax Description

This command takes no parameters.

Related Commands

cnfqosdefault, **dspqosdefault**

Attributes

Log: yes State: active Privilege: GROUP1

Example

Clear the QoS defaults on the switch. The system does not return a message unless an error occurs.

```
Unknown.8.PXM.a > clrqosdefault
```

```
Unknown.8.PXM.a >
```

clrscrn

Clear Screen—PXM45, PXM1E

Use **clrscrn** to clear the control terminal screen. After this command runs, only the current command line prompt appears on the screen.

Syntax

```
clrscrn
```

Related Commands

None

Attributes

Log: no State: active, standby, init Privilege: ANYUSER

Example

Clear the screen.

```
MGX8850.7.PXM1E.a > clrscrn
```

```
MGX8850.7.PXM1E.a >
```

clrsigstats

Clear Signaling Statistics—PXM45, PXM1E

Clears existing signaling statistics for one port or all ports.

Syntax

```
clrsigstats [portid]
```

Syntax Description

portid The format of the PNNI physical port identifier can vary, as follows:

- On a PXM45: *slot:subslot.port:subport*
- On a PXM1E for UNI/NNI back card: *slot:subslot.port:subport*. On the UNI/NNI back card, the subslot is always 2, but the *slot* depends on the chassis, as follows:
 - In an MGX 8850 chassis, *slot* is always the logical slot 7.
 - In an MGX 8830 chassis, *slot* is always the logical slot 1.
- On a PXM1E for a narrowband service module (NBSM): *slot.port*.

For more details, see the section, “PNNI Format,” in [Chapter 1, “Introduction.”](#)

Related Commands

cnfsigdiag, delsigdiag, dspsigdiag, dspsigstats

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear the signaling statistics on port 3:1.1:11. Thereafter, check the results with **dspsigstats**.

```
Geneva.7.PXM.a > clrsigstats 3:1.1:1
Clearing Signaling Statistics for 3:1.1:1
```

```
8850_NY.7.PXM.a > dspsigstats 3:1.1:1
```

```
Signaling Statistics for 3:1.1:1
Message                               Rcv           Xmt
-----                               -
Call Proceeding                       0             0
Connect                                0             0
Connect Ack                             0             0
Setup                                   0             0
Release                                 0             0
Release Complete                        0             0
Add Party                               0             0
Add Party Ack                           0             0
Add Party Rej                           0             0
Drop Party                              0             0
Restart                                 0             0
```

```
Restart Ack          0          0
Status              0          0
Status Enquiry      0          0
Alerting            0          0
Notify              0          0
Progress            0          0

Last Cause/Diag/Crankback
-----
Cause                0
Diagnostic           0          0          0          0
Src Crankback port count 0
```

8850_NY.7.PXM.a >

clrmscnf

Clear Service Module Configuration—PXM45, PXM1E

The **clrmscnf** command lets you clear the configuration of a service module for a single slot. The configuration is cleared from both RAM and the disk. While the **clrmscnf** command is running, no provisioning of the card is possible. Also, you cannot upgrade firmware anywhere on the shelf while **clrmscnf** is running.

The advantage of this command is that you can delete the configuration of a slot without using the **clrallcnf** or **clrcnf** command then install a different card type in the cleared slot.



Caution

For an NBSM, whenever a T1 or T3 card is replaced with an E1 or E3 card (or vice versa), you must run the **clrmscnf** command for the affected slot.

Syntax

```
clrmscnf <slot-id> [all] [verbose]
```

Syntax Description

<i>slot-id</i>	The <i>slot-id</i> identifies the service module slot to clear. Range: 1–31 Exceptions: Do not specify a slot with any of the following card types: <ul style="list-style-type: none"> • PXM • SRM • XM60
all	Optional parameter that additionally clears the firmware version of the card. Without this option, the firmware version remains a part of the configuration for the slot.
verbose	Display information about each configuration element that is cleared.

Related Commands

dspcds

Attributes

Log: no State: active Privilege: SERVICE_GP

Examples

Clear the configuration for slot 5 and include the **all** option.

```
Unknown.7.PXM.a > clrsmcnf 5 all
```

The current configuration will be cleared for the specified slot. Once started, this command should not be aborted as doing that can leave the shelf in an indeterminate state.

For this reason, this command cannot be aborted using ctrl-C or by using any other command

```
clrsmcnf:Do you want to proceed (Yes/No)? y
```

```
Command clrsmcnf executed successfully for slot 5
```

```
Unknown.7.PXM.a >
```

Clear the configuration of slot 5 and include the **all** and **verbose** options.

```
Unknown.7.PXM.a > clrsmcnf 5 all verbose
```

The current configuration will be cleared for the specified slot. Once started, this command should not be aborted as doing that can leave the shelf in an indeterminate state.

For this reason, this command cannot be aborted using ctrl-C or by using any other command

```
clrsmcnf:Do you want to proceed (Yes/No)? y
```

```
Clearing data for PNNI...  
PNNI performed Clear operation successfully
```

```
Clearing data for PCEMA...  
PCEMA performed Clear operation successfully
```

```
Clearing data for PXMCM...  
PXMCM performed Clear operation successfully
```

```
Clearing data for PCPRO...  
PCPRO performed Clear operation successfully
```

```
Clearing data for RPM...  
RPM performed Clear operation successfully
```

```
Clearing data for AUTOCARD...  
AUTOCARD performed Clear operation successfully
```

```
Clearing data for DISKDB...  
DISKDB performed Clear operation successfully
```

```
Command clrsmcnf executed successfully for slot 5
```

clrsntpstats

Clear SNMP Statistics—PXM45, PXM1E

The **clrsntpstats** command resets the counters for SNMP statistics. See the **cnfsntp** description for details about the SNMP feature.

Syntax

```
clrsntpstats
```

Syntax Description

This command takes no parameters.

Related Commands

addsntprmtsvr, cnfsntp, cnfsntprmtsvr, delsntprmtsvr, dpsntp, dpsntprmtsvr, dpsntpstats, dbgsntp, dpsntp-dbg

Attributes

Log: no State: active, standby Privilege: ANYUSER

Example

Display the SNMP statistics, clear them, then re-check display.

```
M8850_LA.8.PXM.a > dpsntpstats

Statistic Counters For SNMP
-----
Receive server mode packets from servers in list: 0
Receive server mode packets from servers not in list: 0
Receive server mode packets which fail sanity check: 0
Receive server mode packets which pass sanity check: 0
Receive client mode packets: 82324
Receive other mode packets: 0
Send server mode packets: 0
Send client mode packets: 94084
Polling Timer Expire Counter: 94084
Polling Wait Timer Expire Counter: 94084
Rollback Timer Expire Counter: 47040
Rollback Wait Timer Expire Counter: 0
Switch From Primary To Secondary Counter: 11762
Switch From Secondary To Primary Counter: 11760
Switch From Secondary To Secondary Counter: 0

M8850_LA.8.PXM.a > clrsntpstats

M8850_LA.8.PXM.a > dpsntpstats

Statistic Counters For SNMP
-----
Receive server mode packets from servers in list: 0
Receive server mode packets from servers not in list: 0
```

```
Receive server mode packets which fail sanity check: 0
Receive server mode packets which pass sanity check: 0
Receive client mode packets: 0
Receive other mode packets: 0
Send server mode packets: 0
Send client mode packets: 1
Polling Timer Expire Counter: 1
Polling Wait Timer Expire Counter: 0
Rollback Timer Expire Counter: 0
Rollback Wait Timer Expire Counter: 0
Switch From Primary To Secondary Counter: 0
Switch From Secondary To Primary Counter: 0
Switch From Secondary To Secondary Counter: 0
```

```
M8850_LA.8.PXM.a >
```

clrspvcnonpers

Clear SPVC Non-persistent Endpoints—PXM45, PXM1E

The **clrspvcnonpers** command lets you delete one or more non-persistent SPVC endpoints from a port.

The purposes can vary, but for example, you may want to reserve the port for something other than single-ended SPVCs. In this case, you would first use the **cnfnpportcc** command to block single ended connections on this port, then use the **clrspvcnonpers** command and specify that all single-ended connections are removed.

The **clrspvcnonpers** parameters let you do the following:

- Remove all non-persistent endpoints from a port
- Remove all non-persistent endpoints from a port that have a particular VPI
- Remove a particular non-persistent endpoint from a port

Syntax

```
clrspvcnonpers <portid> [vpi] [vci]
```

Syntax Description

<i>portid</i>	The format of the PNNI physical port identifier can vary, as follows: <ul style="list-style-type: none"> • On a PXM45: <i>slot:subslot.port:subport</i> • On a PXM1E for UNI/NNI back card: <i>slot:subslot.port:subport</i>. On the UNI/NNI back card, the subslot is always 2, but the <i>slot</i> depends on the chassis, as follows: <ul style="list-style-type: none"> – In an MGX 8850 chassis, <i>slot</i> is always the logical slot 7. – In an MGX 8830 chassis, <i>slot</i> is always the logical slot 1. • On a PXM1E for a narrowband service module (NBSM): <i>slot.port</i>. For more details, see the section, “PNNI Format,” in Chapter 1, “Introduction.”
<i>vpi</i>	The VPI is that of either a single endpoint or all non-persistent endpoints with this VPI. <ul style="list-style-type: none"> • If you include a VCI specification, one endpoint is removed. • If you do not specify a VCI with this VPI, the command removes all non-persistent endpoints that have this VPI from the port. Default: all VPIs
<i>vci</i>	The VCI of a non-persistent endpoint. Default: all VCIs

Related Commands

addcon, **dspscons**

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear all non-persistent endpoints from port 7:2.2:2.

```
PXM1E_SJ.7.PXM.a > clrspvcnonpers 7:2.2:2  
clrspvcnonpers: clear multiple calls. This might take a while.
```

```
PXM1E_SJ.7.PXM.a >
```

clsrsmcnf

Clear Service Resource Module Configuration—PXM45, PXM1E

The **clsrsmcnf** command lets you clear the configuration of a Service Resource Module (SRME or SRM-3T3/C) module for a single logical slot. The command automatically clears the configuration for a redundant card, if present. The configuration is cleared from both RAM and the disk. While the **clsrsmcnf** command is running, no provisioning of the card is possible.

The advantage of this command is that you can delete the configuration of an SRM in one bay at a time without using the **clrallcnf** or **clrcnf** command. Thereafter, you can install a different SRM type in the cleared slot.

Syntax

```
clsrsmcnf <LogicalSlotNum>
```

Syntax Description

<i>LogicalSlotNum</i>	To clear the configuration for both the active and standby slots, you need to enter only the logical slot number. The slot numbers depend on the chassis, as follows: <ul style="list-style-type: none"> • MGX 8850 chassis: 15, 31 • MGX 8830 chassis: 7
-----------------------	---

Related Commands

dspsrsmcnf, **dspcds**

Attributes

Log: no State: active Privilege: SERVICE_GP

clrsscopstats

Clear SSCOP Statistics—PXM45, PXM1E

The **clrsscopstats** command lets you clear the statistics for the service-specific connection-oriented protocol (SSCOP). You can specify the statistics for an individual port or all ports on the switch.

Syntax

```
clrsscopstats [portid]
```

Syntax Description

portid The format of the PNNI physical port identifier can vary, as follows:

- On a PXM45: *slot:subslot.port:subport*
- On a PXM1E for UNI/NNI back card: *slot:subslot.port:subport*. On the UNI/NNI back card, the subslot is always 2, but the *slot* depends on the chassis, as follows:
 - In an MGX 8850 chassis, *slot* is always the logical slot 7.
 - In an MGX 8830 chassis, *slot* is always the logical slot 1.
- On a PXM1E for a narrowband service module (NBSM): *slot.port*.

For more details, see the section, “PNNI Format,” in [Chapter 1, “Introduction.”](#)

Related Commands

dspsscopstats

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear the SSCOP statistics on port 4:1.1:11.

```
Geneva.7.PXM.a > clrsscopstats 4:1.1:11
```

clrxbaralm

Clear Crossbar Alarm—clear the crossbar alarms.—PXM45

The **clrxbaralm** command clears the alarms for either a specific switch plane or for all the switch planes on the switching card. In an MGX 8850 node, the slot is the physical slot number of the PXM45. In an MGX 8950 node, the slot is the number of the slot number of an XM60. To see the alarms that **clrxbaralm** clears, use **dspdevalms** or **dspswalms**.

Syntax

clrxbaralm <slot> <plane>

clrxbaralm *

Syntax Description

*	Enter an asterisk to clear all crossbar alarms on the active PXM45 or the XM60s.
<i>slot</i>	The possible slot number of the crossbar planes depend on the chassis, as follows: <ul style="list-style-type: none"> • MGX 8850 range is 7–8. • MGX 8950 slots are 9, 10, 25, and 26.
<i>plane</i>	In an MGX 8850 switch, the range of plane numbers is 0–2. In an MGX 8950 switch, the range of plane numbers is 0–3.

Related Commands

dspdevalms, **dspswalms**

Attributes

Log: yes State: active Privilege: SUPER_GP

Example

Clear the alarms for switch plane 0 in slot 7. The system returns no messages unless an error exists in the command syntax. To see the results, execute **dspdevalms**.

```
pop20two.7.PXM.a > clrxbaralm 7 0
```

clrxbarerrcnt

Clear Crossbar Error Count—PXM45

The **clrxbarerrcnt** command clears the errors for either a specific switch plane or all the switch planes on the active switching card. In an MGX 8850 node, the slot is the physical slot number of the PXM45. In an MGX 8950 node, the slot is the number of the slot where an XM60 resides. To see the errors that **clrxbarerrcnt** clears, execute **dspdeverrhist**.

Syntax

```
clrxbarerrcnt < * | [slot plane]>
```

Syntax Description

<i>*</i>	Enter an asterisk to clear all crossbar errors.
<i>slot</i>	The slot number of the crossbar planes. On an MGX 8850 switch, the slot number is 7 or 8. On an MGX 8950 switch, the slot number is 9, 10, 25, or 26.
<i>plane</i>	On an MGX 8850 switch, the range for plane numbers is 0–2. On an MGX 8950 switch, the range for plane numbers is 0–3.

Related Commands

dspdeverrhist, **cnfxbarerrthresh**, **dspxbarerrthresh**, **dspswalms**

Attributes

Log: yes State: active, standby Privilege: SUPER_GP

Example

Clear the errors for switch plane 0 in slot 7. The system returns no messages unless an error exists in the command syntax. To see the results, execute **dspdeverrhist**.

```
M8850_NY.7.PXM.a > clrxbarerrcnt 7 0
M8850_NY.7.PXM.a >
```

Clear all crossbar alarms on the current PXM45.

```
M8850_NY.7.PXM.a > clrxbarerrcnt *
XBAR errors of slot 7 are cleared
```

