



Prime Performance Manager Commands

Prime Performance Manager provides commands that allow you to perform functions from the command line interface. Many command functions can also be performed in the Prime Performance Manager GUI, but many others, particularly administrative or root user functions, can only be performed in the CLI. Commands can be run on Solaris and Linux. Some commands can be performed on both the gateway and unit, others on only the gateway or only the unit. You run commands from:

install_directory/bin

where *install_directory* is the directory where Prime Performance Manager is installed (by default, */opt/CSCOppm-gw* or */opt/CSCOppm-unit*)

Alternatively, if *install_directory/bin* is in your path, you can run commands from your path.

By default, all Prime Performance Manager commands require Superuser privilege with the exception of commands requiring root user privilege listed in [Table B-1](#). The root user can run any Prime Performance Manager command. If you use the `ppm superuser` command to set Prime Performance Manager to run under a user ID other than root, all commands other than ones requiring root user privilege, can be run under that user ID.

Table B-1 Root User, Super User, and All User Commands

Commands Requiring Root User Privilege	Commands Requiring Root /Super User Privilege		Commands Available to all Users
<ul style="list-style-type: none"> • ppm uninstall • ppm superuser 	<ul style="list-style-type: none"> • ppm authtype • ppm backup • ppm backupdir • ppm checksystem • ppm certtool • ppm datadir • ppm devcachedir • ppm dbbackupdir • ppm evilstop • ppm genkey • ppm jspport • ppm keytool • ppm logdir • ppm msglogdir (ppm logdir and ppm msglogdir perform the same action.) • ppm netflowport • ppm ramdisksize • ppm reboot • ppm reportdir • ppm repdir • ppm restore • ppm rpm • ppm restoreprops 	<ul style="list-style-type: none"> • ppm threshcachedir • ppm reportdir (same as ppm repair) • ppm shutdown • ppm setpath (when setting path for another user) • ppm ssl • ppm syncusers • ppm tac • ppm uaenable • ppm uadisable • ppm webport 	<ul style="list-style-type: none"> • ppm help • ppm sechelp • ppm rephelp • ppm status • ppm version • ppm readme • ppm quickstart • ppm relnotes • ppm osinfo • ppm changes • ppm localhacommands • ppm msglog • ppm netlog • ppm rootvars • ppm rephelp • ppm backupstats • ppm setpath • ppm starbuild • ppm sslver • ppm javaver • ppm logger • ppm pmess • ppm statreps • ppm csvstats • ppm setpath (when setting path for user running CLI)

A quick reference of commands organized in functional groups is available from the Prime Performance Manager GUI. To view them, from the Help menu choose **Readmes and CLI Commands > PPM Commands**.

Prime Performance Manager commands in alphabetical order are described in the following topics:

- [Prime Performance Manager, page B-8](#)
- [ppm addcreds, page B-9](#)
- [ppm addsnmpcomm, page B-9](#)

- [ppm addunitconf](#), page B-10
- [ppm adduser](#), page B-10
- [ppm alarmwarning](#), page B-11
- [ppm allowgiantnames](#), page B-11
- [ppm apdiff](#), page B-11
- [ppm apgenxml](#), page B-12
- [ppm authtype](#), page B-12
- [ppm backup](#), page B-13
- [ppm backupdata](#), page B-13
- [ppm backupdays](#), page B-14
- [ppm backupminfree](#), page B-16
- [ppm backupdir](#), page B-16
- [ppm backuplog](#), page B-17
- [ppm backuplogs](#), page B-17
- [ppm backupprep](#), page B-17
- [ppm backupstats](#), page B-18
- [ppm badloginalarm](#), page B-18
- [ppm badlogindisable](#), page B-19
- [ppm buildstarconfig](#), page B-19
- [ppm bulkstatsage](#), page B-20
- [ppm bulkstatver](#), page B-20
- [ppm certtool](#), page B-20
- [ppm changes](#), page B-21
- [ppm checksystem](#), page B-21
- [ppm cleancache](#), page B-22
- [ppm clientclocktolerance](#), page B-22
- [ppm clitimeout](#), page B-22
- [ppm clocktolerance](#), page B-23
- [ppm cmdlog](#), page B-23
- [ppm compilemibs](#), page B-24
- [ppm console](#), page B-24
- [ppm consolelogsize](#), page B-24
- [ppm countnodes](#), page B-25
- [ppm criticalalarm](#), page B-25
- [ppm crosslaunch](#), page B-25
- [ppm csvdropdir](#), page B-26
- [ppm datadir](#), page B-26
- [ppm dbbackupdir](#), page B-26

- [ppm deletecreds](#), page B-27
- [ppm deletesnmpcomm](#), page B-28
- [ppm deleteunitconf](#), page B-28
- [ppm deluser](#), page B-28
- [ppm devcachedir](#), page B-29
- [ppm deviceclocktolerance](#), page B-29
- [ppm disablepass](#), page B-29
- [ppm disablepwdage](#), page B-30
- [ppm discover](#), page B-31
- [ppm discovertype](#), page B-31
- [ppm discoveryrange](#), page B-31
- [ppm diskcheck](#), page B-32
- [ppm diskmonitor](#), page B-32
- [ppm dumpdb](#), page B-33
- [ppm enablepwdage](#), page B-33
- [ppm enableuser](#), page B-34
- [ppm eventautolog](#), page B-34
- [ppm eventconfig](#), page B-34
- [ppm eventlimitsconfig](#), page B-35
- [ppm eventsnmbserversconfig](#), page B-35
- [ppm eventlimitsconfig](#), page B-35
- [ppm evilstop](#), page B-38
- [ppm export](#), page B-38
- [ppm exportcustnames](#), page B-39
- [ppm exportusers](#), page B-39
- [ppm extrarunpath](#), page B-39
- [ppm gatewayname](#), page B-40
- [ppm getbackuptimes](#), page B-41
- [ppm genkey](#), page B-40
- [ppm grouptool](#), page B-41
- [ppm help](#), page B-44
- [ppm hypervisor checklibrary](#), page B-44
- [ppm hypervisor connect](#), page B-44
- [ppm ifnameformat](#), page B-45
- [ppm importcustnames](#), page B-46
- [ppm importcw](#), page B-46
- [ppm inactiveuserdays](#), page B-46
- [ppm installlog](#), page B-47

- [ppm ipaccess](#), page B-48
- [ppm ipslaftpfilesize](#), page B-49
- [ppm javaver](#), page B-49
- [ppm javaver](#), page B-49
- [ppm jvmsize](#), page B-50
- [ppm keytool](#), page B-50
- [ppm listusers](#), page B-51
- [ppm localhabackupflag](#), page B-51
- [ppm localhacommands](#), page B-51
- [ppm localhappmtimeout](#), page B-52
- [ppm logdir](#), page B-52
- [ppm logger](#), page B-52
- [ppm lognum](#), page B-53
- [ppm logsize](#), page B-53
- [ppm logtimemode](#), page B-54
- [ppm majoralarm](#), page B-55
- [ppm manageulsredundancy](#), page B-55
- [ppm maxhtmlrows](#), page B-56
- [ppm maxpagesize](#), page B-56
- [ppm maxrepqueries](#), page B-56
- [ppm mibcap](#), page B-58
- [ppm mibcap](#), page B-58
- [ppm mibver](#), page B-58
- [ppm mldebug](#), page B-59
- [ppm modifysnmpcomm](#), page B-59
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- [ppm motd](#), page B-60
- [ppm movenode](#), page B-61
- [ppm msglogage](#), page B-62
- [ppm msglogdir](#), page B-62
- [ppm netflow](#), page B-63
- [ppm netflowport](#), page B-63
- [ppm netflowservfile](#), page B-63
- [ppm netlog](#), page B-64
- [ppm netlogger](#), page B-64
- [ppm newlevel](#), page B-64
- [ppm nontoerrcount](#), page B-65
- [ppm optimizecapabilitypoll](#), page B-66

- [ppm optimizecapabilitypoll](#), page B-66
- [ppm osinfo](#), page B-66
- [ppm passwordage](#), page B-67
- [ppm patchlog](#), page B-67
- [ppm ping](#), page B-68
- [ppm pingpolldelay](#), page B-68
- [ppm pnsintegration](#), page B-68
- [ppm policytool](#), page B-69
- [ppm poll](#), page B-71
- [ppm pollstarschemas](#), page B-71
- [ppm premotd](#), page B-71
- [ppm primecentralintegration](#), page B-72
- [ppm primeha](#), page B-72
- [ppm printreportstatus](#), page B-74
- [ppm props](#), page B-74
- [ppm probetool](#), page B-75
- [ppm purgedb](#), page B-76
- [ppm pwdchangeinterval](#), page B-77
- [ppm pwdchangelimit](#), page B-77
- [ppm pwdchangerestrict](#), page B-77
- [ppm ramdisksize](#), page B-78
- [ppm readme](#), page B-78
- [ppm reboot](#), page B-79
- [ppm redundancygroups](#), page B-79
- [ppm redistributenodes](#), page B-79
- [ppm reloadbulkstats](#), page B-81
- [ppm reloadmibs](#), page B-81
- [ppm rename](#), page B-81
- [ppm repdir](#), page B-82
- [ppm reportdir](#), page B-82
- [ppm rephelp](#), page B-82
- [ppm resolvehostnames](#), page B-83
- [ppm restart](#), page B-83
- [ppm restore](#), page B-84
- [ppm restore all](#), page B-85
- [ppm restoreprops](#), page B-85
- [ppm rootvars](#), page B-85
- [ppm rpm](#), page B-85

- [ppm sechelp](#), page B-86
- [ppm seclog](#), page B-86
- [ppm serverclocktolerance](#), page B-87
- [ppm servername](#), page B-87
- [ppm setpath](#), page B-87
- [ppm setpctrappedestination](#), page B-88
- [ppm setservicerole](#), page B-89
- [ppm showcreds](#), page B-89
- [ppm showsnmpcomm](#), page B-89
- [ppm showunitconf](#), page B-90
- [ppm shutdown](#), page B-90
- [ppm singlesess](#), page B-90
- [ppm smallcellver](#), page B-91
- [ppm smallcellver](#), page B-91
- [ppm snmpconf](#), page B-91
- [ppm snmpget](#), page B-92
- [ppm snmphelp](#), page B-94
- [ppm snmpmaxrows](#), page B-94
- [ppm snmpnext](#), page B-95
- [ppm snmpwalk](#), page B-97
- [ppm ssl](#), page B-99
- [ppm sslstatus](#), page B-100
- [ppm sslver](#), page B-100
- [ppm starbuild](#), page B-101
- [ppm starexpcollectioninterval starttime](#), page B-101
- [ppm starcollectioninterval starttime](#), page B-102
- [ppm stardiffs](#), page B-102
- [ppm stargenall](#), page B-102
- [ppm stargenschema](#), page B-102
- [ppm start](#), page B-103
- [ppm starexp](#), page B-104
- [ppm starexpdropdir](#), page B-104
- [ppm starexprules](#), page B-104
- [ppm starepxmlformat](#), page B-105
- [ppm statreps bulkstatsexpage](#), page B-105
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- [ppm status](#), page B-108
- [ppm smtpport](#), page B-108

- [ppm superuser](#), page B-108
- [ppm syncunits](#), page B-109
- [ppm tac](#), page B-110
- [ppm thresholdtool](#), page B-110
- [ppmtoerrcount](#), page B-115
- [ppm tomcatver](#), page B-115
- [ppm topxxsize](#), page B-116
- [ppm topxxsizenetflow](#), page B-116
- [ppm traceroute](#), page B-116
- [ppm tune](#), page B-117
- [ppm uadisable](#), page B-118
- [ppm uaenable](#), page B-118
- [ppm uninstall](#), page B-118
- [ppm unknownage](#), page B-119
- [ppm updateuser](#), page B-119
- [ppm upgradelog](#), page B-120
- [ppm useraccess](#), page B-120
- [ppm userpass](#), page B-121
- [ppm version](#), page B-121
- [ppm webport](#), page B-121
- [ppm who](#), page B-122
- [ppm xmlpoll](#), page B-122
- [ppm zipoldbackups](#), page B-122

Prime Performance Manager

Command Description

Displays the command syntax for the Prime Performance Manager command and all of its options. The function of this command is identical to **/opt/CSCOppm-gw/bin/ppm help**.

Prime Performance Manager help is network specific, so only the commands pertaining to each network type appear. If you set all network types, you can see all the commands.

Available in GUI

No

Related Topic

[Chapter 3, “Managing the Web Interface”](#)

ppm addcreds

Syntax

```
/opt/CSCOppm-gw/bin/ppm addcreds -i ipaddress/hostname [-u user name -n enable_username] [-r protocoltype] [-o port] [-s sub_system]
```

Command Description

Adds the Telnet and SSH credentials to access the device with the given IP address or hostname.

- **-i** *ipaddress*—The device IP address or hostname.
- **-u** *username*—The username to log into the device.
- **-n** *enable_username*—Enables the privileged username.
- **-r** *protocoltype*—Indicates the protocol type: Telnet, SSHv1, SSHv2, WSMA over SSHv2, AVI_HTTPS.
- **[-o** *port* **]**—The port number used to access the device.
- **[-s** *sub_system* **]**—The subsystem used by transport protocol if a subsystem is defined on the device

Available in GUI

Yes

ppm addsnmpcomm

Syntax

```
/opt/CSCOppm-gw/bin/ppm addsnmpcomm -i ipaddress -c read community | -u snmpv3 username [-a authentication protocol | -A authentication password] [-x privacy protocol | -X privacy password] [-v 1 | 2c | 3]
```

Command Description

Adds an SNMP configuration to Prime Performance Manager server.

- **-i** *ipaddress*—The IP address of the device (required)
- **-c** *read community*—The SNMP read community. Read community is required for SNMP v1 and 2c.
- **-u** *snmpv3 username*—The SNMP username. The username is required for SNMP v3.
- **-a** *authentication protocol*—The authentication protocol.
- **-A** *authentication password*—The authentication password.
- **-x** *privacy protocol*—The privacy protocol.
- **-X** *privacy password*—The privacy password.
- **-v** *version*—The SNMP version, 1, 2c, or 3. The default is 2c.
- **-c** *community*—The read community string of the device (required)

You do not need to restart Prime Performance Manager server.

Available in GUI

Yes

Related Topic

- [ppm deletesnmpcomm](#), page B-28
- [ppm modifiesnmpcomm](#), page B-59
- [ppm showsnmpcomm](#), page B-89

ppm addunitconf

Syntax

`/opt/CSCOppm-gw/bin/ppm addunitconf {-i ipaddress | -u unitname}`

Command Description

Command uses the option `-i` (*ipaddress*) and `-u` (*unitname*) to add a unit configuration.

Available in GUI

Yes

ppm adduser

Syntax

`/opt/CSCOppm-gw/bin/ppm adduser [-n username [1 | 3 | 5 | 11 | 12] [-f filename]`

Command Description

If you enable Prime Performance Manager User-Based Access, adds the specified user(s) to the authentication list.

Options

- `-n username`—Adds the specified user with the default password, ppm124A@ and the specified authentication level:
 - **1**—Basic User
 - **3**—Network Operator
 - **5**—System Administrator
 - **11**—Custom Level 1
 - **12**—Custom Level 2
- `-f filename`—Adds a group of users with the default password, ppm124A@. Format: `userID:[accessLevel]`

Default password for users created using this command is ppm124A@. You can change this in `/opt/CSCOppm-gw/properties/System.properties`.

You must log in as the root/super user to use this command.

**Note**

If you enable Solaris authentication, you must log in as the root user, to use this command (see [User Authentication](#), page 6-8).

Available in GUI

Yes

Related Topics

- [Setting Up User Access and Security, page 6-1](#)
- [User Authentication, page 6-8](#)

ppm alarmwarning

Syntax

`/opt/CSCOppm-gw/bin/ppm alarmwarning {enable | disable}`

Command Description

Allows you to define warning and informational threshold alarms.

Available in GUI

Yes

Related Topic

- [Creating Thresholds, page 11-1](#)

ppm allowgiantnames

Syntax

`/opt/CSCOppm-gw/bin/ppm allowgiantnames {enable | disable | status}`

Command Description

Allows custom names for nodes or devices to be up to 255 characters. By default, the limit is 100 characters.

- **enable**—Enables giant names and allows custom names for devices to be up to 255 characters.
- **disable**—Disables giant names and reduces the length for custom names to 100 characters.
- **status**—Displays the status of the giant names option, either enabled or disabled.

Available in GUI

No

ppm apdiff

Syntax

`/opt/CSCOppm-gw/bin/ppm apdiff [oldcsv] [newcsv]`

Command Description

Finds the differences between an older AP CSV file and a new AP CSV file. Both files must be in the Prime Performance Manager installation directory.

Available in GUI

No

ppm apgenxml

Syntax

`/opt/CSCOppm-gw/bin/ppm apdiff`

Command Description

Generates an AP XML file.

Available in GUI

No

ppm authtype

Syntax

`/opt/CSCOppm-gw/bin/ppm authtype [local | solaris | linux]`

Command Description

Configures Prime Performance Manager security authentication:

- **local**—Allows you to create user accounts and passwords that are local to the Prime Performance Manager system. When using this method, you manage usernames, passwords, and access levels by using Prime Performance Manager commands.
- **solaris**—Uses standard Solaris-based user accounts and passwords, as the `/etc/nsswitch.conf` file specifies. You can provide authentication with the local `/etc/passwd` file. You can do this:

- From a distributed Network Information Services (NIS) system

Or

- With any other authentication tool, such as RADIUS or TACACS+.
- **linux**—Uses standard Linux-based user accounts and passwords, as the `/etc/nsswitch.conf` file specifies. You can provide authentication with the local `/etc/passwd` file; from a distributed NIS system; or with any other authentication tool, such as RADIUS or TACACS+.



Note

When using the Solaris or Linux options, if you have enabled user access, you must enable SSL (see [Managing Users and User Security, page 6-15](#) to ensure secure passwords between Prime Performance Manager client and server.)

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topics

- [Setting Up User Access and Security, page 6-1](#)
- [User Authentication, page 6-8](#)

ppm backup

Syntax

```
/opt/CSCOppm-gw/bin/ppm backup [gw | unit | both]
```

Command Description



Note

Because backups can be large, verify that your file system has enough space to handle the backups.

Backs up Prime Performance Manager data files to Prime Performance Manager installation directory. Prime Performance Manager automatically backs up all data files nightly at 2:30 AM for the unit and 3:30 AM for the gateway. However, you can use this command to back up the files at any other time. If you installed Prime Performance Manager in the default directory (*/opt*) the locations of the backup files are */ppm10-\$\$SERVERTYPE-\$\$SERVERNAME-backup.tar*, where *\$\$SERVERTYPE* = *gateway* or *unit* as appropriate and *\$\$SERVERNAME* = the name of the server as specified during installation.

If you installed Prime Performance Manager in a different directory, the backup files reside in that directory.

Command options allow you to choose whether to back up the gateway, unit, or both:

- *gw*—Backs up the gateway.
- *unit*—Backs up the unit.
- *both*—Backs up the gateway and unit.

To restore Prime Performance Manager data files from the previous night's backup, use **/opt/CSCOppm-gw/bin/ppm restore** command. Do not try to extract the backup files manually.

You must log in as the root/super user to use this command. If the super user is running the backup command, then the backup directory must be changed before running the command to the super user's home directory or any other directory for which the super user has write access.



Note

Prime Performance Manager performs a database integrity check during the backup. If the check fails, the previous backup is not overwritten. Instead, Prime Performance Manager creates a new failed file (for example: *ppm10-gateway-ems-lnx001-backup-failed.tar*).

Available in GUI

No

Related Topics

- [Backing Up Prime Performance Manager Data Files, page 18-2](#)
- [ppm restore, page B-84](#)

ppm backupdata

Syntax

```
/opt/CSCOppm-gw/bin/ppm backupdata [enable | disable | status] [gw | unit | both]
```

Command Description

This command enables and disables the backup of the Prime Performance Manager database. You must log in as the root/super user to use this command. Command options allow you to choose whether to back up the gateway, unit, or both:

- gw—Backs up the gateway.
- unit—Backs up the unit.
- both—Backs up the gateway and unit.

Available in GUI

Yes

ppm backupdays

Syntax

/opt/CSCOppm-gw/bin/ppm backupdays [*days*] [gw | unit | both]

Command Description

This command sets the number of days to save backup files on Prime Performance Manager server and client. The default value is one day, but you can configure Prime Performance Manager to save multiple days of backup files.

Command options allow you to choose whether to back up the gateway, unit, or both:

- gw—Backs up the gateway.
- unit—Backs up the unit.
- both—Backs up the gateway and unit.

This command accepts values from 1 to 30 days. If you attempt to set a value outside of this range, Prime Performance Manager responds with this message:

Value out of range of 1-30.

Prime Performance Manager stores backup files in the backup directory (see [ppm backupdir](#), page B-16). Prime Performance Manager uses this file naming convention when there are multiple backup files:

ppm<releasename>- [gateway|unit]-backup.tar.[date]

For example:

ppm10-gateway-ems-lnx001-backup.tar[*date*]

ppm10-unit-ems-lnx001-backup.tar[*date*]

If the number of backup days is more than one, and you run the **/opt/CSCOppm-gw/bin/ppm restore** command, Prime Performance Manager prompts you for a server or client backup file to restore from. This is because there would be more than one backup file to choose from). See [ppm restore](#), page B-84.

The following is an example of setting the number of backup days to five days:

```
# ./ppm backupdays
```

```
Current value is: 1
```

```
Enter number of days to save backup files <1-30>: [1] 5
```

```
Setting number of days to save backup files to 5 days.
```

In this example, Prime Performance Manager saves backup files for the last five days. Prime Performance Manager deletes backup files that are older than five days.

**Note**

If you notice multiple backups, ensure that there is enough free space in the backupdir file system (see [ppm backupdir](#), page B-16).

Available in GUI

Yes

Related Topics

- [Backing Up Prime Performance Manager Data Files](#), page 18-2
- [ppm restore](#), page B-84

ppm backupuncheckeddata

Syntax

```
/opt/CSCOppm-gw/bin/ppm backupuncheckeddata [enable | disable | status] [gw | unit | both]
```

Command Description

Enables or disables the inclusion of unverified data in the Prime Performance Manager database backup tar files. Prime Performance Manager daily backups maintain a snapshot directory of the database with data integrity under the backup directory. The snapshot directory is updated each day using incremental data backups. The directory is then included in the main backup tar file as long as the backupdata function (see [ppm backupdata](#), page B-13) is enabled. (If the backupdata option is disabled the backupuncheckeddata option has no impact.)

In the event the snapshot directory of the database cannot be written to during backup, backupuncheckeddata controls whether the backup should include the main database files directly from their source directory. If backups occur while the server is running, inconsistent data could be included in the backup, which could lead to issues during a restore from this backup.

If you do not wish to include data from the main database files while running backups during this condition, disable this option. If the Prime Performance Manager backup directory never becomes full or experiences other access issues, enabling backupuncheckeddata will have no impact.

Command options:

- **enable**—Enables the backup of unchecked Prime Performance Manager data.
- **disable**—Disables the backup of unchecked Prime Performance Manager data.
- **gw**—Enables or disables the unchecked data backups for the gateway.
- **unit**—Enables or disables the unchecked data backups for the unit.
- **both**—Enables or disables the unchecked data backups for the gateway and unit.

**Note**

The backupuncheckeddata option requires the backupdata option to be enabled. For information, see [ppm backupdata](#), page B-13.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm backupminfree

Syntax**/opt/CSCOppm-gw/bin/ppm backupminfree [gw | unit | both] MB****Command Description**

Sets the minimum available space, in megabytes that must be available before a backup is started.

Options include:

- gw—Sets the minimum space for the gateway.
- unit—Sets the minimum space for the unit.
- both—Sets the minimum space for the gateway and unit.

Available in GUI

Yes

ppm backupdir

Syntax**/opt/CSCOppm-gw/bin/ppm backupdir [directory] [gw | unit | both]****Command Description****Note**

You must stop Prime Performance Manager server before performing this command. You are prompted whether you want to continue.

Command options allow you to choose whether to back up the gateway, unit, or both:

- gw—Backs up the gateway.
- unit—Backs up the unit.
- both—Backs up the gateway and unit.

You can change the directory in which Prime Performance Manager stores its nightly backup files. The default backup directory is the directory in which Prime Performance Manager is installed. If you installed Prime Performance Manager in:

- The default directory, */opt*, then the default backup directory is also */opt*.
- A different directory, then the default backup directory is that directory.

If you specify a new directory that does not exist, Prime Performance Manager does not change the directory and issues an appropriate message.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topics

- [Backing Up Prime Performance Manager Data Files, page 18-2](#)
- [ppm restore, page B-84](#)

ppm backuplog

Syntax

`/opt/CSCOppm-gw/bin/ppm backuplog [clear | -r]`

Command Description

Uses PAGER to display the contents of the system backup log.

To clear the log, enter `/opt/CSCOppm-gw/bin/ppm backuplog clear`.

To display the contents of the log in reverse order, with the most recent commands at the beginning of the log, enter `/opt/CSCOppm-gw/bin/ppm backuplog -r`.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm backuplogs

Syntax

`/opt/CSCOppm-gw/bin/ppm backuplogs [enable|disable|status] [gw | unit | both]`

Command Description

Determines whether to include logs in backups or not.

Command options allow you to choose whether to back up the gateway, unit, or both:

- gw—Backs up the gateway.
- unit—Backs up the unit.
- both—Backs up the gateway and unit.

If this command is enabled, logs are included in backups. If this command is not enabled, then log files backup are not included. The status option tells whether this command is enabled or not and the gw/unit/both options indicate whether this applies only to gateway backups, unit backups, or both.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm backupprep

Syntax

`/opt/CSCOppm-gw/bin/ppm backupprep [enable | disable | status]`

Command Description

This command enables and disables the backup of the Prime Performance Manager reports. You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm backuprestorescript

Syntax

/opt/CSCOppm-gw/bin/ppm backuprestorescript [*path* | *clear*]

Command Description

This command calls a script before and after a backup or restore occurs. You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm backupstats

Syntax

/opt/CSCOppm-gw/bin/ppm backupstats

Command Description

This command displays statistics on backup process. You must log in as the root/super user to use this command.

Available in GUI

No

ppm badloginalarm

Syntax

/opt/CSCOppm-gw/bin/ppm badloginalarm [*tries* | *clear*]

Command Description

Number of unsuccessful log-in attempts allowed before Prime Performance Manager generates an alarm.

There can be an unlimited number of unsuccessful attempts. The default value is five unsuccessful attempts.

Prime Performance Manager records alarms in the system security log file. The default path and filename for the system security log file is */opt/CSCOppm-gw/logs/sgmSecurityLog.txt*. If you installed Prime Performance Manager in a directory other than */opt*, then the system security log file resides in that directory.

To view the system security log file, enter **/opt/CSCOppm-gw/bin/ppm seclog**. You can also view the system security log on Prime Performance Manager System Security Log web page (see [Displaying the System Security Log, page 6-27](#)).

To disable this function (that is, to prevent Prime Performance Manager from automatically generating an alarm after unsuccessful log-in attempts), enter **/opt/CSCOppm-gw/bin/ppm badloginalarm clear**.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Editing User Security Settings, page 6-21](#)

ppm badlogindisable

Syntax

/opt/CSCOppm-gw/bin/ppm badlogindisable [*tries* | *clear*]

Command Description

Number of unsuccessful log-in attempts by a user allowed before Prime Performance Manager disables the user's authentication. To re-enable the user's authentication, use **/opt/CSCOppm-gw/bin/ppm enableuser** command.

There can be an unlimited number of unsuccessful attempts. The default value is 10 unsuccessful attempts.

To disable this function (that is, to prevent Prime Performance Manager from automatically disabling a user's authentication after unsuccessful log-in attempts), enter **/opt/CSCOppm-gw/bin/ppm badlogindisable clear**.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Editing User Security Settings, page 6-21](#)

ppm buildstarconfig

Syntax

/opt/CSCOppm-gw/bin/ppm buildstarconfig [{*schemafilename* | *default*} ppm | no | zero]

Command Description

Sets up bulk statistics reporting configurations for Cisco ASR 5000 and Cisco ASR 5500 devices.

- **schemafilename**—The schema file name containing the bulk statistics schema you want to use
- **default**—Generates a configuration for all counters and all schemas supported by Prime Performance Manager. The default file is:

```
/opt/CSCOppm-gw/install/ASR5K_BulkStats_StarOS_Schema_Counters.csv
```

- **ppm**—Creates the configuration file to enable the Cisco ASR 5000 and Cisco ASR 5500 device to generates bulk statistics in the format expected by Prime Performance Manager.
- **no**—Removes the device configuration.
- **zero**—Sets the configuration to zero.

Available in GUI

No

ppm bulkstatsage

Syntax

```
/opt/CSCOppm-gw/bin/ppm bulkstatsage [days]
```

Command Description

Specifies the number of days bulk statistic files are retained. The default is 14 days. You do not need to restart Prime Performance Manager server. (This command is supported only on the gateway.)

Available in GUI

Yes

ppm bulkstatver

Syntax

```
/opt/CSCOppm-gw/bin/ppm bulkstatver
```

Command Description

Prints the StarOS BulkStat version.

Available in GUI

No

ppm certtool

Syntax

```
/opt/CSCOppm-gw/bin/ppm certtool [clear | delete alias | export alias [-file filename] |  
import alias [-file filename] | list]
```

Command Description

If you enable the Secure Sockets Layer (SSL) icon your Prime Performance Manager system, you can use this command to manage SSL certificates on Prime Performance Manager web interface from the command line.

**Note**

If you installed Prime Performance Manager server gateway and unit on the same workstation, running this command is not necessary. Instead, when you use the **ppm keytool** command (see [ppm keytool](#), page B-50) to manage SSL certificates on the server, Prime Performance Manager automatically manages the certificates on the web interface.

Use these keywords and arguments with this command:

- **import alias [-file filename]**—Imports a signed SSL certificate in X.509 format. This is the most common use for this command.

The *alias* argument can be any character string; the hostname of the server from which you are importing the certificate is a good choice.

To import the certificate from a file, specify the optional **-file** keyword and a filename.

- **export alias [-file filename]**—Exports the specified SSL certificate in X.509 format.

To export the certificate to a file, specify the optional **-file** keyword and a filename.

- **list**—Lists all SSL certificates on Prime Performance Manager.
- **delete alias**—Removes the specified SSL certificate from Prime Performance Manager.
- **clear**—Removes all SSL certificates from Prime Performance Manager.

Available in GUI

No

Related Topics

- [Displaying the SSL Key and Certificate, page 6-6](#)
- [Exporting SSL Certificates, page 6-5](#)

ppm changes

Command Description

Displays the contents of the Prime Performance Manager CHANGES file. The CHANGES file lists all bugs that have been resolved in Prime Performance Manager, sorted by release. If you installed Prime Performance Manager in:

- The default directory, */opt*, then Prime Performance Manager CHANGES file resides in the */opt/CSCOppm-gw/install* directory.
- A different directory, then the file resides in that directory.

Available in GUI

Yes

ppm checksystem

Command Description

Checks the system for a server installation and reviews the:

- System requirements

- TCP/IP address and port usage checks
- Disk space usage check
- Server summary
- Error summary

You must log in as the root/super user to use all features of this command. The logs/troubleshooting folder has limited permissions to read when the user is not a root user.

Available in GUI

Yes

ppm cleancache

Syntax

`/opt/CSCOppm-gw/bin/ppm cleancache [gw | unit | both]`

Command Description

- Remove device and TCA cache files:
- gw—Removes device and TCA files from the gateway.
- unit—Removes device and TCA files from the unit.
- both—Removes device and TCA files from the gateway and unit.

Available in GUI

No

ppm clientclocktolerance

Syntax

`/opt/CSCOppm-gw/bin/ppm clientclocktolerance [secs]`

Command Description

Sets the number of seconds timing between Prime Performance Manager and a client can be out of synchronization before an alarm is raised. The default is 900 seconds.

Available in GUI

No

ppm clitimeout

Syntax

`/opt/CSCOppm-gw/bin/ppm clitimeout [mins | clear]`

Command Description

Specifies how long, in minutes, a Prime Performance Manager client can be inactive before Prime Performance Manager automatically disconnects it.

This function is disabled by default. If you do not specify this command, clients are never disconnected as a result of inactivity.

If you enter **/opt/CSCOppm-gw/bin/ppm clitimeout** command, the valid range is zero (clears the command) to an unlimited number of minutes. No default value exists.

If you enable this function and you want to disable it (that is, never disconnect a client as a result of inactivity), enter **/opt/CSCOppm-gw/bin/ppm clitimeout clear** command.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Editing User Security Settings, page 6-21](#)

ppm clocktolerance

Syntax

/opt/CSCOppm-gw/bin/ppm clocktolerance [client | [device | server] [secs]

Command Description

Sets the number of seconds timing between Prime Performance Manager and a client, device, or server can be out of synchronization before an alarm is raised. The default is 900 seconds.

Available in GUI

No

ppm cmdlog

Syntax

/opt/CSCOppm-gw/bin/ppm cmdlog [clear | -r]

Command Description

Uses PAGER to display the contents of the system command log. The system command log lists:

- All **ppm** commands that were entered for the Prime Performance Manager server.
- The time each command was entered.
- The user who entered the command.

To clear the log, enter **ppm cmdlog clear**.

To display the contents of the log in reverse order, with the most recent commands at the beginning of the log, enter **ppm cmdlog -r**.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm compilemibs

Syntax**/opt/CSCOppm-gw/bin/ppm compilemibs****Command Description**

Compiles MIB files in the /opt/CSCOppm-gw/etc/mibs folder and generates a compiled output file. During execution the system reports inconsistencies like duplicate variables names, duplicate OIDs and missing dependent MIBs. After it has completed, you are prompted to reload the compiled output to the Prime Performance Manager server.

This command is available only on the gateway.

Available in GUI

No

ppm console

Command Description

Displays the contents of the console log file, *sgmConsoleLog.latest*.

The console log file contains unexpected error and warning messages from Prime Performance Manager server, such as those that might occur if Prime Performance Manager server cannot start.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm consolelogsize

Syntax**/opt/CSCOppm-gw/bin/ppm consolelogsize [megs]****Command Description**

Sets the maximum size (in megabytes) of the console log file.

To view help for this command, include the following parameter: **-h**.

Available in GUI

Yes

ppm countnodes

Command Description

Displays the number of nodes in the current Prime Performance Manager database.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm criticalalarm

Syntax

`/opt/CSCOppm-gw/bin/ppm criticalalarm` [*Critical Alarm*]

Command Description

Generates a critical Prime Performance Manager alarm. This alarm is generated on the Prime Performance Manager gateway and will also be forwarded northbound if configured.

Available in GUI

No

ppm crosslaunch

Syntax

`/opt/CSCOppm-gw/bin/ppmxcrosslaunch` [install | [hideLegend | hideNavigator | hideDateString | hideButtons | hideTitle] uninstall]

Command Description

Installs (or uninstalls) the ability to cross launch Prime Performance Manager from Prime Network. Installation options allow you to hide Prime Performance Manager chart elements when reports are launched from Prime Network:

- **hideLegend**—Hides the chart legend. Users can normally turn legends on or off using the Toggle Legend tool. This option turns the legend off when launched from Prime Network.
- **hideNavigator**—Hides the bar that appears at the bottom of charts in full screen or leaf graph mode that lets you scroll to or select a specific area of the chart.
- **hideDateString**—Hides the report date string that appears at the bottom of charts.
- **hideButtons**—Hides the Zoom, Graph Style, and Export options that appear within an individual chart.
- **hideTitle**—Hides the report title and/or subtitle that normally appears inside a chart.

Available in GUI

Yes

ppm csvdropdir

Syntax

/opt/CSCOppm-unit/bin/ppmcsvdropdir [*dir*]

Command Description

Changes the Bulk Statistics Drop directory and updates the CSV_DROP_DIR property in /opt/CSCOppm-unit/properties/BulkStats.properties. The default directory location is /opt/CSCOppm-unit/csvdrop. This command sets a new directory location.

You do not need to restart Prime Performance Manager server.

The command is only supported on units.

Available in GUI

No

ppm datadir

Syntax

/opt/CSCOppm-gw/bin/ppm datadir [*directory*] [**nostart**]

Command Description



Note

You must stop Prime Performance Manager server before performing this command. You are prompted whether to continue.

Sets the directory where Prime Performance Manager data files are stored. Use this command if you want to store data files in a different directory; for example, in a Network File System location on another server.

The default data storage directory is in the Prime Performance Manager installation directory. If you installed Prime Performance Manager in /opt, the default directory is /opt/CSCOppm-gw/data. If you installed Prime Performance Manager in a different directory, the default directory is in that directory.

The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm dbbackupdir

Syntax

/opt/CSCOppm-gw/bin/ppmdbbackupdir [*directory*] [**nostart**]

Command Description

Sets the directory used for database backup staging. The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

Available in GUI

No

ppm delete

Syntax

```
/opt/CSCOppm-gw/bin/ppm delete [all | node [all | node [node]...] | sp [all | point-code:net [point-code:net]...] | linkset [all | node/linkset [node/linkset]...]
```

Command Description

Deletes objects from Prime Performance Manager database.

- **all**—Deletes all objects from Prime Performance Manager database.
- **node all**—Deletes all nodes from Prime Performance Manager database.
- **node node [node]...**—Deletes one or more nodes from Prime Performance Manager database. Use the *node* arguments to specify one or more nodes.
- **sp all**—Deletes all nodes from Prime Performance Manager database.
- **sp point-code:net [point-code:net]...**—Deletes one or more signaling points from Prime Performance Manager database. Use the *point-code:net* arguments to specify one or more signaling points, which the point code and network name identify; for example, 1.22.0:net0.
- **linkset all**—Deletes all linksets from Prime Performance Manager database.
- **linkset node/linkset [node/linkset]...**—Deletes one or more linksets from Prime Performance Manager database. Use the *node/linkset* arguments to specify one or more linksets associated with specific nodes.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm deletcreds

Syntax

```
/opt/CSCOppm-gw/bin/ppm deletcreds -i [ipaddress/hostname] -a
```

Command Description

Deletes the Telnet and SSH device credentials for the specified device or all credentials on the Prime Performance Manager gateway.

-i ipaddress/hostname—Deletes the Telnet and SSH device credentials for the specified IP address or hostname.

-a—Deletes all Telnet and SSH device credentials on the gateway.

Available in GUI

Yes

ppm deletesnmpcomm

Syntax

```
/opt/CSCOppm-gw/bin/ppm deletesnmpcomm -i ipaddress
```

Command Description

Deletes an SNMP configuration from Prime Performance Manager server.

-i *ipaddress*—The IP address of the device (required)

You do not need to restart Prime Performance Manager server.

Available in GUI

Yes

Related Topics

- [ppm addsnmpcomm, page B-9](#)
- [ppm modifiesnmpcomm, page B-59](#)
- [ppm showsnmpcomm, page B-89](#)

ppm deleteunitconf

Syntax

```
/opt/CSCOppm-gw/bin/ppm deleteunitconf [-i (ipaddress)]
```

Command Description

This command deletes the existing configuration that specifies the relationship between nodes and their managed units.

Available in GUI

Yes

ppm deluser

Syntax

```
/opt/CSCOppm-gw/bin/ppm deluser [username|filename]
```

Command Description

Deletes a user or a list of users. If you enable Prime Performance Manager user-based access, deletes the specified user from the authentication list. To add the user back to the list, use the **ppm adduser** command. (See [ppm adduser, page B-10](#).)

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic[Manually Disabling Users and Passwords, page 6-22](#)

ppm devcachedir

Syntax**/opt/CSCOppm-gw/bin/ppmdevcachedir** [*directory*] [**nostart**]**Command Description**

Sets the directory used for device cache files. The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

Available in GUI

No

ppm deviceclocktolerance

Syntax**/opt/CSCOppm-gw/bin/ppm deviceclocktolerance** [*secs*]**Command Description**

Sets the number of seconds timing between Prime Performance Manager and a device can be out of synchronization before an alarm is raised. The default is 900 seconds.

Available in GUI

No

ppm disablepass

Syntax**/opt/CSCOppm-gw/bin/ppm disablepass** [*username|filename*]**Command Description**

Disable password for a user or a list of users. If you enable Prime Performance Manager User-Based Access, and set **ppm authtype** to **local**, it disables the specified user's authentication and password. Prime Performance Manager does not delete the user from the authentication list.

Prime Performance Manager only disables the user's authentication and password. To re-enable the user's authentication with:

- The same password as before, use **/opt/CSCOppm-gw/bin/ppm enableuser** command.
- A new password, use **/opt/CSCOppm-gw/bin/ppm userpass** command.

**Note**

The user can re-enable authentication with a new password by attempting to log in by using the old password; Prime Performance Manager then prompts the user for a new password.

If you set `/opt/CSCOppm-gw/bin/ppm authtype` to **Solaris** or **Linux**, you cannot use this command; instead, you must manage passwords on the external authentication servers.

You must log in as the root/super user to use this command. You must also set `/opt/CSCOppm-gw/bin/ppm authtype` to **local**.

Available in GUI

Yes

Related Topic

[Manually Disabling Users and Passwords, page 6-22](#)

ppm disablepwdage

Syntax

`/opt/CSCOppm-gw/bin/ppm enablepwdage [username|filename]`

Command Description

Disables password aging for the specified user or a list of users.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[ppm enablepwdage, page B-33](#)

ppm disableuser

Syntax

`/opt/CSCOppm-gw/bin/ppm disableuser [username|filename]`

Command Description

Disable a user or a list of users. If you enable Prime Performance Manager User-Based Access, this disables the specified user's authentication. Prime Performance Manager does not delete the user from the authentication list, Prime Performance Manager only disables the user's authentication. To re-enable the user's authentication with:

- The same password as before, use the `/opt/CSCOppm-gw/bin/ppm enableuser` command.
- A new password, use the `/opt/CSCOppm-gw/bin/ppm userpass` command.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic[Manually Disabling Users and Passwords, page 6-22](#)

ppm discover

Syntax`/opt/CSCOppm-gw/bin/ppm discover [seed-node] [seed-node]...`**Command Description**

You use this command to discover the network from the command line. Use the *seed-node* arguments to specify the DNS names or IP addresses of one or more seed nodes.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic[Running Device Discovery, page 5-11](#)

ppm discovertypes

Syntax`/opt/CSCOppm-gw/bin/ppm discovertypes {seed1} [seed2], ... [seedN] -p {collect1}, [collect2], [collectN]`

Normally you use the ppm discover {seed1} [seed2] [seedN] [-p {collect1}... {collectN}] command to discover a seed set using *collector1* > *collectorN* in a multi-collector context. This process has two steps:

- Configure the polling policy for the seed set so that Prime Performance Manager uses the specified collector to collect data from the devices.
- Discover the specified seed sets and begin regular polling.

However, in some scenarios the modified policy file does not synchronize to the unit in time. As a result, the first poll of the specified seed set fails because the unit does not have the updated polling policy. In this case you can use ppm discovertypes to update the polling policy including unit synchronization. You can then run ppm discover to discover the specified seed set based on the latest polling policy.

ppm discoveryrange

Syntax`/opt/CSCOppm-gw/bin/ppm discoveryrange [true|false]`**Command Description**

You use this command to discover the devices IP address is within the network range.

If this command is true, then devices within address range that are not reachable are deleted from Prime Performance Manager. If this command is false, then the devices that are not reachable during discovery are retained in Prime Performance Manager in an unmanaged state.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm diskcheck

Syntax

/opt/CSCOppm-gw/bin/ppm diskcheck

Command Description

Manually runs the disk space usage check.

You must log in as the root/super user to use this command.

Related Topic

[ppm diskmonitor, page B-32](#)

ppm diskmonitor

Syntax

/opt/CSCOppm-gw/bin/ppm diskmonitor [enable | disable | status] | warning {MBs} | critical {MBs} | warnscript {path | clear} | critscript {path | clear} [gw | unit | both]

Command Description

Monitors the Prime Performance Manager installed directories disk space usage. When enabled, the diskWatcher.sh script runs every ten minutes to check two thresholds:

- **Warning**—When the disk space use passes the threshold defined with the warning option, a disk space major alarm is created and logged in the *sgmConsoleLog.txt* file. For example:

```
WARNING: The following partition is getting low on free disk space:
/opt
Space left = 905 MB
```

The script identified with the warnscript option is executed to begin disk cleanup.

Critical—When the disk space use passes the threshold defined with the critical option, a disk space critical alarm is created and logged in the *sgmConsoleLog.txt* file. For example:

```
WARNING: The following partition is getting low on free disk space:
/opt
Space left = 100 MB
```

The script identified with the critscript option is executed to begin disk cleanup.

Options:

- **enable**—Enables the Prime Performance Manager installed directories disk space usage check.
- **disable**—Disables the Prime Performance Manager installed directories disk space usage check.

- **status**—Displays the disk monitor status, either enabled or disabled.
- **warning {MBs}**—Sets the warning threshold. The default is 1000 MB.
- **critical {MBs}**—Sets the critical threshold. The default is 100 MB.
- **warnscript {path | clear}**—Provides the path to the script to call when the warning threshold is crossed. The script should initiate disk cleanup. The clear option clears the diskmonitor warning alarm.
- **critscript {path | clear}**—Provides the path to the script to call when the critical threshold is crossed. The script should initiate disk cleanup. The clear option clears the diskmonitor critical alarm.
- **gw**—Applies the command actions to the gateway.
- **unit**—Applies the command actions to the unit.
- **both**—Applies the command action to both the gateway and unit.

You must log in as the root/super user to use this command.

Available in GUI

- enable, disable, status: Yes
- warnscript, critscript: No

Related Topic

[ppm diskcheck, page B-32](#)

ppm dumpdb

Syntax

/opt/CSCOppm-gw/bin/ppm dumpdb [*directory*]

Command Description

Dumps the current database, incremental, if it exists, to the provided directory. Allows an external process to trigger a database dump to a staging area that could be used by another backup, restore, or archival system.

Available in GUI

No

ppm enablepwdage

Syntax

/opt/CSCOppm-gw/bin/ppm enablepwdage [*username*]*filename*]

Command Description

Enables password aging for the specified user or a list of users.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topics

- [ppm discover, page B-31](#)
- [Managing Users and User Security, page 6-15](#)

ppm enableuser

Syntax

/opt/CSCOppm-gw/bin/ppm enableuser [username|filename]

Command Description

Enable a user or a list of users. If you enable Prime Performance Manager user-based access, re-enables the specified user's authentication, which had been disabled either automatically by Prime Performance Manager root user.

The user's authentication is re-enabled with the same password as before.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Enabling User Accounts and Passwords Using the CLI, page 6-24](#)

ppm eventautolog

Syntax

/opt/CSCOppm-gw/bin/ppm eventautolog [clear | -r]

Command Description

Uses PAGER to display the contents of Prime Performance Manager event automation log. The event automation log lists all messages generated by scripts launched by event automation.

To clear the log and restart the server, enter **/opt/CSCOppm-gw/bin/ppm eventautolog clear**.

To display the contents of the log in reverse order, with the most recent events at the beginning of the log, enter **/opt/CSCOppm-gw/bin/ppm eventautolog -r**.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm eventconfig

Syntax

/opt/CSCOppm-gw/bin/ppm eventconfig [view | edit | restore | master]

Command Description

Manages the event configuration. Options:

- **view**—Displays the event configuration file.
- **edit**—Allows you to edit the event configuration file in your environment with a text editor. (The default text editor is 'vi'.)
- **restore**—Restore the event configuration file to the last active copy.
- **master**—Stores the event configuration file to the master copy (the default copy shipped with Prime Performance Manager).

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm eventlimitsconfig

Syntax

`/opt/CSCOppm-gw/bin/ppm eventlimitsconfig [view | edit | restore | master]`

Command Description

Manages the event limits configuration. Options:

- **view**—Displays the event limits configuration file.
- **edit**—Allows you to edit the event limits configuration file in your environment with a text editor. (The default text editor is 'vi'.)
- **restore**—Restore the event limits configuration file to the last active copy.
- **master**—Stores the event limits configuration file to the master copy (the default copy shipped with Prime Performance Manager).

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm eventsnmpserversconfig

Syntax

`/opt/CSCOppm-gw/bin/ppm eventsnmpserverssconfig [view | edit | restore | master]`

Command Description

Manages the SNMP servers configuration. Options:

- **view**—Displays the SNMP servers configuration file.
- **edit**—Allows you to edit the SNMP servers configuration file in your environment with a text editor. (The default text editor is 'vi'.)
- **restore**—Restore the SNMP servers configuration file to the last active copy.

- **master**—Stores the SNMP servers configuration file to the master copy (the default copy shipped with Prime Performance Manager).

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm eventtool

Syntax

`/opt/CSCOppm-gw/bin/ppm eventtool {-a actionName} {parameters}`

Command Description

Invokes Prime Performance Manager event API operations.

These action names (and any corresponding required parameters) can be specified with the **-a** option:

Option	Action Names	Required Parameters
-a	acknowledgeEvents	-I or -L -u -n
	appendNote	-e -n -u
	changeSeverities	-s -I or -L -u -n
	clearEvents	-I or -L -u -n
	deleteEvents	-I or -L -u -n
	getAllEventsAsTraps	-t
	getAllOpenAlarmsAsTraps	-t -H -p -S -h
	getFilteredEventsAsTraps	-t -f
	getNote	-e
	setNote	-e -n -u

These parameters can be used:

Parameter	Description
-e	Specifies an event ID parameter.
-f	Specifies a file name for EventFilter, which is an XML element defined in Prime Performance Manager WSDL definitions.

Parameter	Description (continued)
-l	Specifies a file name for EventIDList, which is an XML element defined in Prime Performance Manager WSDL definitions.
-n	Specifies an event note string.
-s	Specifies an event severity.
-t	Specifies a file name for TrapTarget, which is an XML element defined in Prime Performance Manager WSDL definitions.
-u	Specifies a user ID for event operation.
-H	Specifies a hostname to connect to. If unspecified, the default value is obtained from the Prime Performance Manager server <i>System.properties</i> file, <i>SERVER_NAME</i> property.
-p	Specifies a port to connect to. If unspecified, the default value is obtained from the Prime Performance Manager server <i>System.properties</i> file, <i>WEB_PORT</i> property.
-L	Specifies a list of event IDs, separated by ' '.
-S	Specifies whether to use SSL (https) for NBAPI access. Default is no SSL.
-h	Prints help information.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm evilstop

Command Description

Forcefully stops all Prime Performance Manager servers on the local host.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm export

Syntax

`/opt/CSCOppm-gw/bin/ppm export`

Command Description

Exports current Prime Performance Manager data.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm exportcustnames

Syntax

/opt/CSCOppm-gw/bin/ppm exportcustnames

Command Description

Allows to export custom names for import to another server.

Available in GUI

Yes

ppm exportusers

Syntax

/opt/CSCOppm-gw/bin/ppm exportusers

Command Description

Allows to export users for import to another server.

Available in GUI

No

ppm extrarunpath

Syntax

/opt/CSCOppm-gw/bin/ppm extrarunpath [*path*]

Command Description

Appends {*path*} to the run path for alarm scripts. This can be useful when running scripts when TCAs occur. To add multiple directories, separate each directory with a colon, for example:

path1:path2

Available in GUI

No

ppm fastinterval

Syntax

/opt/CSCOppm-gw/bin/ppm fastinterval

Command Description

Displays the interval between slow and fast SNMP polling threads.

Available in GUI

Yes

Related Topics

- [ppm numfastthreads](#), page B-65
- [ppm numslowthreads](#), page B-66

ppm gatewayname

Syntax

```
/opt/CSCOppm-gw/bin/ppm gatewayname [gatewayname] [nostopstart]
```

Command Description

Command resets Prime Performance Manager remote unit's connected gateway name, where *gatewayname* is the connected gateway's hostname or IP address.

- Verify that the new *gatewayname* is connectible. If not, you might not be able to connect to the remote gateway.
- Verify that the unit-side IP protocol is consistent with *gatewayname* used in the gateway side. See [ppm servername](#), page B-87.
- You must log in as root/super user to run this command.
- nostopstart—The server is not stopped and started automatically while running this command.

Available in GUI

No

ppm genkey

Syntax

```
/opt/CSCOppm-gw/bin/ppm genkey[gw|unit|both]
```

Command Description

Creates SSL keys and certificates. The command provides an easy way to regenerate SSL keys and certificates after the Prime Performance Manager has been running for a while with SSL enabled. This might be needed if a certificate expires or if you have a policy to regenerate the certificates after a period of time. The command is normally used as:

```
ppm genkey both
```

The **both** option generates new keys and certificates, then exchanges them between gateway and unit automatically so you can regenerate the set of keys and certifications at one time. If you use only the gw or unit option, you must import the certificates to the other side.

Available in GUI

No

ppm getbackuptimes

Syntax

/opt/CSCOppm-gw/bin/ppm getbackuptimes

Command Description

Displays the following Prime Performance Manager and collocated unit (if installed) backup information:

- Last Backup Start—The date and time the gateway backup was started.
- Last Backup Start—The date and time the gateway backup was completed.
- Next Backup Start—The date and time the next gateway backup will begin.

Available in GUI

Yes

ppm grouptool

Syntax

/opt/CSCOppm-gw/bin/ppm grouptool

Command Description

Displays the contents of the add group, delete group, update group and get group information probe details.

- **-a**—Specifies the type of operation to be performed.
- **-l**—Specifies a file name for the group.
- **-k**—Specifies the name for the group.
- **-H**—Specifies a hostname to connect to. If not specified, default value is obtained from the gateway System.properties file, SERVER_NAME property.
- **-p**—Specifies a port to connect to. If not specified, default value is obtained from the gateway System.properties file, WEB_PORT property.
- **-S**—Specifies whether to use SSL (https) for NBAPI access, default is no SSL.
- **-h**—Print help information.

You must log in as the root/super user to use this command.

ppm grouptool -a addGroup

-l <XML file>

[-H <hostname>]

[-p <port number>]

[-S <y/n>]

[-h <help>]

ppm grouptool -a updateGroup

-l <XML file>

```

-n <note>
[-H <hostname>]
[-p <port number>]
[-S <y|n>]
[-h <help>]

```

ppm grouptool -a deleteGroup

```

-k <groupName>
[-H <hostname>]
[-p <port number>]
[-S <y|n>]
[-h <help>]

```

ppm grouptool -a getGroupInfo

```

-k <groupName>
[-H <hostname>]
[-p <port number>]
[-S <y|n>]
[-h <help>]

```

Available in GUI

Yes

Example of Prime Performance Manager Group File

```

<ns:Group xmlns:ns="http://cisco.com/ppm">
  <name>Test-group</name>
  <enabled>>false</enabled>
  <processingSectionList>
    <GroupProcessingSection>
      <name>default</name>
      <type>Network</type>
      <matchingAlgorithm>If(Contains(cmStatusName, "online"), true,
false)</matchingAlgorithm>
      <matchingObjectList/>
      <dataSourceList>
        <dataSource>AGG_CMTS_CM_UP_STATE</dataSource>
      </dataSourceList>
    </GroupProcessingSection>
  </processingSectionList>
</ns:Group>

```

Example Probe.xml file for Command Line Interface

```

probe.xml
-----

<ns2:Probe xmlns:ns2="http://cisco.com/ppm">
  <PropertyList>
    <Property name="Type">
      <Value>HTTPProbe</Value>
    </Property>
    <Property name="Device">

```

```

        <Value>ppm-lnx-vm012.cisco.com</Value>
    </Property>
    <Property name="Name">
        <Value>HTTP-Probe-2</Value>
    </Property>
    <Property name="Description">
        <Value>HTTP Probe 1</Value>
    </Property>
    <Property name="Enabled">
        <Value>true</Value>
    </Property>
    <Property name="Interval">
        <Value>15</Value>
    </Property>
    <Property name="OpenTimeout">
        <Value>60</Value>
    </Property>
    <Property name="ResponseTimeout">
        <Value>60</Value>
    </Property>
    <Property name="IPAddress">
        <Value>google.com</Value>
    </Property>
    <Property name="Port">
        <Value>80</Value>
    </Property>
    <Property name="Username">
        <Value>username1</Value>
    </Property>
    <Property name="Password">
        <Value>password2</Value>
    </Property>
    <Property name="HttpHeaderFieldTable">
        <ValueList/>
    </Property>
    <Property name="HttpRequestMethod">
        <Value>GET</Value>
    </Property>
    <Property name="HttpStatusCodeTable">
        <ValueList>
            <Property name="HttpStatusCodeRow">
                <ValueList>
                    <Property name="HttpStatusCode">
                        <ValueList>
                            <Property name="HttpStatusCodeRangeBegin">
                                <Value>200</Value>
                            </Property>
                            <Property name="HttpStatusCodeRangeEnd">
                                <Value>200</Value>
                            </Property>
                        </ValueList>
                    </Property>
                </ValueList>
            </Property>
        </ValueList>
    </Property>
    <Property name="Protocol">
        <Value>HTTPS</Value>
    </Property>
    <Property name="Application">
        <Value>mail</Value>
    </Property>
    <Property name="UrlPath">
        <Value>HTTPS://google.com:80/mail</Value>
    </Property>

```

```

        </Property>
    </PropertyList>
</ns2:Probe>

```

ppm help

Syntax

/opt/CSCOppm-gw/bin/ppm help *[keyword]*

Command Description

Displays the command syntax for the Prime Performance Manager command and all of its options. The function of this command is identical to **Prime Performance Manager**.

Prime Performance Manager help is network specific, so only the commands pertaining to each network type appear. If you set all network types, you can see all the commands.

To see the syntax for a specific command, enter **/opt/CSCOppm-gw/bin/ppm help** and that command. For example, if you enter **/opt/CSCOppm-gw/bin/ppm help restart**, Prime Performance Manager displays:

```

ppm restart      - Restarts all ppm Servers on the local host.
ppm restart web  - Restarts Web servers on the local host.
ppm restart jsp  - Restarts JSP servers on the local host.
ppm restart pm   - Restarts Process Manager on the local host.

```

Related Topic

[Chapter 3, “Managing the Web Interface”](#)

ppm hypervisor checklibrary

Syntax

/opt/CSCOppm-gw/bin/ppm hypervisor checklibrary

Command Description

Checks the Linux OS library to ensure it contains all RPMs required for Prime Performance Manager to successfully connect to hypervisors. The command will indicate whether the library is complete. If the library is incomplete, a list of needed RPMs is provided.

Available in GUI

No

ppm hypervisor connect

Syntax

/opt/CSCOppm-gw/bin/ppm hypervisor connect *[hypervisor URL]*

Command Description

Checks the connection between the Prime Performance Manager gateway and the hypervisor. Hypervisor URLs are entered in the following format:

- ESXi

```
./ppm hypervisor connect esx://nnn.nnn.nnn.nnn/?no_verify=1
```
- HyperV

```
./ppm hypervisor connect hyperv://nnn.nnn.nnn.nnn/?no_verify=1
```
- VPX

```
./ppm hypervisor connect vpx://nnn.nnn.nnn.nnn/?no_verify=1
```
- Xen

```
./ppm hypervisor connect  
xen://nnn.nnn.nnn.nnn/?no_verify=1&pkipath=/opt/CSCOppm-gw/hypervisor/libvirt/etc/pki/CA
```
- QEMU

```
./ppm hypervisor connect  
qemu://nnn.nnn.nnn.nnn/system?no_verify=1&pkipath=/opt/CSCOppm-gw/hypervisor/libvirt/etc/pki/CA
```

Available in GUI

No

ppm ifnameformat

Syntax

`/opt/CSCOppm-gw/bin/ppm ifnameformat [desc | alias | both | ifindex]`

Command Description

Defines the format for displaying interface names in the Prime Performance Manager GUI:

- desc—Only the interface description is displayed.
- alias—Only the interface alias is displayed.
- both—Both the interface description and alias are displayed.
- ifindex—Displays the interface by its Interface Index value, a unique identifying number associated with a physical and logical interfaces.

You can run this command on the gateway, and it will update all units.



Note

After you change the interface name format, restart the gateway and all units. See [ppm restart](#), [page B-83](#).

Available in GUI

- Yes

ppm importcustnames

Syntax

`/opt/CSCOppm-gw/bin/ppm importcustnames [inputfile]`

Command Description

Allows to import custom names from another server.

Available in GUI

No

ppm importcw

Syntax

`/opt/CSCOppm-gw/bin/ppm importcw [cwfile] [force | telnet]`

Command Description

Imports device hostname and read-community strings from the CiscoWorks v3 server to Prime Performance Manager. SSH is the default import protocol.

cwfile—File name of the CiscoWorks export file. The file must be in CSV format.

The following parameters are not required if Prime Performance Manager does not have any communities or credentials.

force—Overrides any preexisting SNMP communities. Instead of adding new communities, the existing communities are modified automatically. This parameter applies to all imported communities.

telnet—Sets the connection protocol to Telnet and the port to 23. SSH v2 is the default import protocol and 22 the default port. This parameter applies to all imported communities.

You must log in as the root/super user to use this command. You do not need to restart the server to activate this command. After running this command, Prime Performance Manager discovers the imported nodes.

Available in GUI

No

ppm inactiveuserdays

Syntax

`/opt/CSCOppm-gw/bin/ppm inactiveuserdays [days | clear]`

Command Description

If you enable Prime Performance Manager user-based access, number of days a user can be inactive before disabling that user account.

This function is disabled by default. If you do not specify this command, user accounts are never disabled as a result of inactivity.

If you enter the **ppm inactiveuserdays** command, the valid range is zero (clears the command) to an unlimited number of days. There is no default setting.

If you have enabled this function and you want to disable it (that is, prevent Prime Performance Manager from automatically disabling user accounts as a result of inactivity), enter **/opt/CSCOppm-gw/bin/ppm inactiveuserdays clear**.

To re-enable the user's authentication, use **/opt/CSCOppm-gw/bin/ppm enableuser** command.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topics

- [Chapter 6, “Managing Users and Security”](#)
- [Editing User Security Settings, page 6-21](#)

ppm installlog

Syntax

/opt/CSCOppm-gw/bin/ppm installlog [*server* | *client*]

Command Description

Displays the latest install log for the **server** or **client**. If you do not specify **server** or **client**, displays the latest install log for both the server and client.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm inventoryimport

Syntax

/opt/CSCOppm-gw/bin/ppm inventoryimport [- *strictSync* | - *looseSync*]

Command Description

Imports device information from Prime Network (Cisco ANA) device inventory.

strictSync — In Strict Synchronization mode, only Prime Network type of devices are discovered.

looseSync — In Loose Synchronization mode, beside the devices imported from Prime Network, Prime Performance Manager can manage devices that are not in Prime Network inventory.

Available in GUI

Yes

ppm iosreport

Syntax

/opt/CSCOppm-gw/bin/ppm iosreport

Command Description

Lists the IOS versions of all devices that are managed by Prime Performance Manager. The command's CSV output format is:

node name, custom name, node type, IOS version, serial number, system name, system location. IP address

To run this command, you must log in as the root/super user.

Available in GUI

Yes

ppm ipaccess

Syntax

ppm ipaccess [add [ip-addr] | clear | edit | list | rem [ip-addr] | sample]

Command Description

You use this command to create and manage a list of client IP addresses that can connect to the Prime Performance Manager server.

The list of allowed client IP addresses resides in the *ipaccess.conf* file. By default, when you first install Prime Performance Manager, the *ipaccess.conf* file does not exist and all client IP addresses can connect to Prime Performance Manager server.

To create the *ipaccess.conf* file and specify the list of allowed client IP addresses, use one of these keywords:

- **add**—Add the specified client IP address to the *ipaccess.conf* file. If the *ipaccess.conf* file does not already exist, this command creates a file with the first entry.
- **clear**—Remove all client IP addresses from the *ipaccess.conf* file and allow connections from any Prime Performance Manager client IP address.
- **edit**—Open and edit the *ipaccess.conf* file directly. If the *ipaccess.conf* file does not already exist, this command creates an empty file.
- **list**—List all client IP addresses currently in the *ipaccess.conf* file. If no client IP addresses appear (that is, the list is empty), connections from any Prime Performance Manager client IP address are allowed.
- **rem**—Remove the specified client IP address from the *ipaccess.conf* file.
- **sample**—Print out a sample *ipaccess.conf* file.

Any changes you make take effect when you restart Prime Performance Manager server.

See [User Authentication, page 6-8](#) for more information about using this command.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm ipslaftpfilesize

Syntax

`/opt/CSCOppm-gw/bin/ppm ipslaftpfilesize` [*file size in bytes*]

Command Description

When an IP SLA probe sends FTP transfer requests to a remote server, it retrieves a file with a specified size from the FTP server. This command tells Prime Performance Manager the size of the file, so it can compute the transfer rate. Unless you use this command to specify otherwise, Prime Performance Manager assumes the FTP file size is 1 MB.

Available in GUI

No

ppm javaver

Syntax

`/opt/CSCOppm-gw/bin/ppm javaver`

Command Description

Displays the version of Java that is used.

Available in GUI

No

ppm jspport

Syntax

`/opt/CSCOppm-gw/bin/ppm jspport` [*port-number*]

Command Description

Sets a new port number for the JSP server, where *port-number* is the new port number. Only numeric entries can be entered. Prime Performance Manager verifies that the new port number is not already used.

This command can be used to change the port number after you install Prime Performance Manager and, for example, find that another application needs the port.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm jvmsize

Syntax

```
/opt/CSCOppm-gw/bin/ppm jvmsize {megs} {gwunit} {list}
```

Command Description

Sets the gateway or unit Java Virtual Machine (JVM) size in MBs.

You must log in as a Prime Performance Manager Superuser to use this command.

Available in GUI

No

ppm keytool

Syntax

```
/opt/CSCOppm-gw/bin/ppm keytool [clear | genkey | import_cert cert_filename |  
import_key key_filename cert_filename | list | print_csr | print_crt]
```

Command Description

If you implement SSL in your Prime Performance Manager system, manages SSL keys and certificates on Prime Performance Manager server.

Use these keywords and arguments with this command:

- **clear**—Stops Prime Performance Manager server, if necessary, and removes all SSL keys and certificates from the server. Before restarting the server, you must either generate new SSL keys by using the **ppm keytool genkey** command; or, you must completely disable SSL by using the **ppm ssl disable** command.
- **genkey**—Stops Prime Performance Manager server, if necessary, and generates a new self-signed public or private SSL key pair on Prime Performance Manager server. The new keys take effect when you restart the server.
- **import_cert cert_filename**—Imports the specified signed SSL certificate in X.509 format.
- **import_key key_filename cert_filename**—Imports the specified SSL key in OpenSSL format and the specified signed SSL certificate in X.509 format.
- **list**—Lists all SSL key-certificate pairs on Prime Performance Manager server.
- **print_csr**—Prints a certificate signing request (CSR) in X.509 format.
- **print_crt**—Prints Prime Performance Manager server's SSL certificate in X.509 format.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topic

[Managing Users and User Security, page 6-15](#)

ppm listusers

Syntax

`/opt/CSCOppm-gw/bin/ppm listusers [username]`

Command Description

If you enable Prime Performance Manager User-Based Access, lists all currently defined users in the authentication list, including this information for each user:

- Username.
- Last time the user logged in.
- User's authentication access level.
- User's current authentication status, such as **Account Enabled** or **Password Disabled**.

To list information for a specific user, use the *username* argument to specify the user.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Listing Currently Defined Users, page 6-27](#)

ppm localhabackupflag

Syntax

`/opt/CSCOppm-gw/bin/ppm localhabackupflag [enable | disable | status]`

Command Description

This command is used when a Prime Performance Manager gateway is installed in the local directory and want to upgrade it to a gateway HA environment. (The SAN storage must be installed.) For information about upgrading a non-HA gateway to an HA environment, see the *Cisco Prime Performance Manager 1.2 Quick Start Guide*.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm localhacommands

Syntax

`/opt/CSCOppm-gw/bin/ppm localhacommands`

Command Description

Prints Prime Performance Manager gateway local HA commands usage information such as how to do switchover, freeze, or unfreeze a gateway in an HA environment. Example:

```
[root@crdc-ucs-109 ~]# /ha/CSCOppm-gw/bin/ppm hacommands
Usage:
    ppmGatewayHA.sh switchover - Switch the service to another cluster node.
    ppmGatewayHA.sh freeze    - Freeze the service in RHCS.
    ppmGatewayHA.sh unfreeze  - Unfreeze the service in RHCS.
    ppmGatewayHA.sh status    - Show the service status in RHCS.

**** Do NOT run these commands in ppm install directory. ****
**** Please go to /var/CSCOppm-ha/ppm-ha-bin directory to run these commands. ****
```

You must log in as the root/super user to use this command.

Available in GUI

No

ppm localhappmtimeout

Syntax

```
/opt/CSCOppm-gw/bin/ppm localhappmtimeout [start | stop | info] [minutes]
```

Specify or show ppm start/stop timeout minutes.

Command Description

Specifies or shows the Prime Performance Manager start and stop timeout in minutes for Prime Performance Manager gateways in an HA environment.

The default start timeout value is 3 minutes. The default stop timeout value is 2 minutes. You can use these commands to adjust the timeout values.

You must log in as the root/super user to use this command.

ppm logdir

Syntax

```
/opt/CSCOppm-gw/bin/ppm logdir [directory] [nostart]
```

Command Description

Sets the directory used for log files. The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

Available in GUI

No

ppm logger

Command Description

Displays the system messages *messageLog.txt* file with tail -f.

To stop the display, press **Ctrl-C**.

Available in GUI

Yes

ppm lognum

Syntax`/opt/CSCOppm-gw/bin/ppm lognum [num]`**Command Description**

Sets the maximum number of logs to retain, after which, logs will be archived.

Available in GUI

No

ppm logsize

Syntax`/opt/CSCOppm-gw/bin/ppm logsize [number-of-lines]`**Command Description**

Sets the maximum size for truncating and rolling log files.

- Message log files are in *\$LOGDIR/messageLog-archives* (typically, */opt/CSCOppm-gw/logs/messageLog-archives*).
- Network log files are in *\$LOGDIR/netStatus/archive*

If you enter this command without the *number-of-lines* argument, Prime Performance Manager displays the current maximum number of lines. You can change this value.

The message and network log process archives the log file when the maximum number of lines is reached. The filename format of archived log files is:

- `messageLog.YYYY:MMDD:hhmm:y.txt.Z`
- or
- `networkLog.YYYY:MMDD:hhmm:y.txt.Z`

where:

- *YYYY* is the year
- *MM* is the month in a two-digit format
- *DD* is the day of the month
- *hh* is the hour of the day in 24-hour notation
- *mm* is the minute within the hour

- y is one of these variables:

Variable	Meaning	Example
r	The log file was created because Prime Performance Manager server restarted.	messageLog.2008:0328:1427:r.txt.Z networkLog.2008:0328:1427:r.txt.Z
c	The log file was created because a user ran /opt/CSCOppm-gw/bin/ppm msglog clear command.	messageLog.2008:0328:1433:c.txt.Z networkLog.2008:0328:1433:c.txt.Z
o	The log file was created from a pre-existing <i>messageLog-old.txt</i> file (used in previous Prime Performance Manager releases).	messageLog.2008:0328:1413:o.txt.Z networkLog.2008:0328:1413:o.txt.Z
0 (or higher number)	A counter that starts at 0 and increments sequentially. The number resets to 0 when the server restarts.	messageLog.2008:0328:1427:3.txt.Z networkLog.2008:0328:1427:3.txt.Z

When *messageLog.txt* or *networkLog.txt* reaches the number of lines specified by **/opt/CSCOppm-gw/bin/ppm logsize** command, Prime Performance Manager creates a new log archive file by using the filename format above.

When the maximum number of lines is reached, the log filename contains a counter value to differentiate itself from other archived files (for example, *messageLog.2011:0328:1427:1.txt.Z* and *messageLog.2011:0328:1427:2.txt.Z*).

The default value for *number-of-lines* is 500,000 lines.

The valid range is 1,000 lines to an unlimited number of lines. The default value is 500,000 lines. If you specify a larger file size for the log file, the log file and its copy require proportionally more disk space.

When changing the number of lines to display, remember that every 5,000 lines require approximately 1 MB of disk space. You need to balance your need to refer to old messages against the amount of disk space they occupy.



Note

All log files are aged out by a timing mechanism (**/opt/CSCOppm-gw/bin/ppm msglogage**). You can estimate a size for the *\$LOGDIR/messageLog-archives* directory based on the number of lines, the amount of data that is logged (**/opt/CSCOppm-gw/bin/ppm mldebug**), and the log age.

You must log in as the root/super user to use this command. If you change the *number-of-lines* value, you must restart the server (**/opt/CSCOppm-gw/bin/ppm restart**).

Available in GUI

No

ppm logtimemode

Syntax

/opt/CSCOppm-gw/bin/ppm logtimemode [12 | 24]

Command Description

Sets the time mode for dates in log files:

- **12**—Use 12-hour time, with AM and PM so that 1:00 in the afternoon is 1:00 PM.
- **24**—Use 24-hour time, also called military time so that 1:00 in the afternoon is 13:00. This is the default setting.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm majoralarm

Syntax

`/opt/CSCOppm-gw/bin/ppm majoralarm` [*Major Alarm*]

Command Description

Generates a major Prime Performance Manager alarm. This alarm is generated on the Prime Performance Manager gateway and will also be forwarded northbound if configured.

Available in GUI

No

ppm manageulsredundancy

Syntax

`/opt/CSCOppm-gw/bin/ppm manageulsredundancy` [*list | set | delete | partitioner*]

Command Description

Manages small cell upload server (ULS) redundancy.

Options:

- **list**—Lists all ULS redundancy groups.
- **set** [*redundancygroup device1 device2 device3...*]—Creates a ULS redundancy group. Requires the redundancy group name and the devices you want in the group.
- **delete** [*redundancygroup*]—Deletes the ULS redundancy group.
- **partitioner**—Manages the ULS partitions:
 - **print**—Prints the current file fetching partitions.
 - **repartition**—Repartitions the set of APs each active unit is responsible for.
 - **delete**—Deletes the current partitions.

Caution: After you invoke the delete option, a new set of partitions are created and files are retrieved from the Max Back Time onward.

Available in GUI

No

ppm maxhtmlrows

Syntax

`/opt/CSCOppm-gw/bin/ppm maxhtmlrows [number-of-rows]`

Command Description

Sets the maximum number of rows for Prime Performance Manager HTML web output; for example, statistics reports, status change messages, or SNMP trap messages.



Note

If you have set the Page Size on web interface, this command does not override that setting. When you set the Page Size feature on the Prime Performance Manager web interface, browser cookies store the setting until the cookie expires or Prime Performance Manager deletes it.

If you enter this command without the *number-of-rows* argument, Prime Performance Manager displays the current maximum number of rows. You can then change that value or leave it. The valid range is one row to an unlimited number of rows. The default value is 100 rows.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Chapter 3, “Managing the Web Interface”](#)

ppm maxpagesize

Syntax

`/opt/CSCOppm-gw/bin/ppm maxpagesize [number-of-rows]`

Command Description

Sets the maximum browser page size for table reports. 800 rows is the default.

Available in GUI

No

ppm maxrepqueries

Syntax

`/opt/CSCOppm-gw/bin/ppm maxrepqueries [number]`

Command Description

Sets the maximum number of report sessions that can be open at one time.

Available in GUI

No

**Note**

After changing this setting, you must restart the Prime Performance Manager server. See [ppm restart](#), page B-83.

ppm maxquerycachecolumns

Syntax

```
/opt/CSCOppm-gw/bin/ppm maxquerycachecolumns [number]
```

Command Description

Sets the maximum number of columns that will be kept in the query cache for a report. 50 columns is the default.

Available in GUI

No

ppm messagequeuetool

Syntax

```
/opt/CSCOppm-gw/bin/ppm messagequeuetool [-a | -i | -b | -T | -v | -u | -w | -E | -o ]
```

Command Description

Sets the set up message brokers that listen for OpenStack tenant changes and update the Prime Performance Manager tenant data when they occur. The message brokers supplement the ongoing tenant data synchronization set up at 30-minute, one-hour, or six-hour intervals when you add the tenant entry to Prime Performance Manager. Message brokers have two requirements:

- OpenStack must use the RabbitMq message broker. Qpid and ZeroMQ are not supported.
- At least one OpenStack tenant must be added to Prime Performance Manager.

Options:

- -a—The primary message broker action:
 - addOpenstackMessageQ—Adds a new message broker.
 - updateOpenstackMessageQ—Update an existing message broker.
 - deleteOpenstackMessageQ—Deletes an existing message broker.
 - listOpenstackMessageQ—Displays a list of created message broker entries. When an entry status is active, that means Prime Performance Manager is listening to the OpenStack tenant it is set up to monitor.
 - -i uniqueName -b msgBroker -T port -v vHost -u user -w password -E enabled -o openstack to add an configuration entry, where
- -i *Name*—is the unique name for the message broker entry.
- -b—*MessageBrokerIP*—The IP address of the RabbitMq message broker
- -T *ListenerPort*—The message broker port used to listen for updates.
- -v *VirtualHost*—The virtual host configured on the message broker. The default is '/'.

- `-u username`—The user name used to connect to the message broker.
- `-w password`—The username password.
- `-E`—Indicates whether the message broker is enabled, true (default) or false.
- `-o openstack, ip`—The OpenStack IP address containing the tenant that the message broker will monitor. The OpenStack IP must be added to Prime Performance Manager through the OpenStack tenant integration process.

Available in GUI

Yes

Related Topics

- [Adding Tenants Through OpenStack Integration, page 16-4](#)
- [Adding OpenStack Tenant Message Brokers, page 16-5](#)

ppm mibcap

Syntax

`/opt/CSCOppm-gw/bin/ppm mibcap [device_name]`

Command Description

Displays device MIB capabilities.

Available in GUI

No

ppm mibver

Syntax

`/opt/CSCOppm-gw/bin/ppm mibver`

Command Description

Displays all SNMP MIB versions.

Available in GUI

No

ppm minoralarm

Syntax

`/opt/CSCOppm-gw/bin/ppm minoralarm [Minor Alarm]`

Command Description

Generates a minor Prime Performance Manager alarm. This alarm is generated on the Prime Performance Manager gateway and will also be forwarded northbound if configured.

Available in GUI

No

ppm mldebug

Syntax

`/opt/CSCOppm-gw/bin/ppm mldebug [mode]`

Command Description

Sets the mode for logging Prime Performance Manager debug messages:

- **normal**—Logs all action, error, and info messages. Use **ppm mldebug normal** to revert to the default settings if you accidentally enter **ppm mldebug** command.
- **list**—Displays the current settings for **ppm mldebug** command.
- **all**—Logs all messages, of any type.
- **none**—Logs no messages at all.
- **minimal**—Logs all error messages.
- **action**—Logs all action messages.
- **debug**—Logs all debug messages.
- **dump**—Logs all dump messages.
- **error**—Logs all error messages.
- **info**—Logs all info messages.
- **NBAPI-SOAP**—Logs all northbound SOAP messages.
- **snmp**—Logs all SNMP messages.
- **trace**—Logs all trace messages.
- **trapsIn**—Logs all incoming trap messages.
- **trapsOut**—Logs all outgoing trap messages.

This command can adversely affect Prime Performance Manager performance. Use this command **only** under guidance from the Cisco Technical Assistance Center (TAC).

You must log in as the root/super user to use this command.

Available in GUI

No

ppm modifysnmpcomm

Syntax

`/opt/CSCOppm-gw/bin/ppm addsnmpcomm -i ipaddress -c read community [-u snmpv3 username
[-a authentication protocol] [-A authentication password] [-p privacy protocol] [-P privacy password]
[-v 1 | 2c | 3]`

Command Description

Modifies an SNMP configuration on a Prime Performance Manager server.

- **-i** *ipaddress*—The IP address of the device (required)
- **-c** *read community*—The SNMP read community. Read community is required for SNMP v1 and 2c.
- **-u** *snmpv3 username*—The SNMP username. The username is required for SNMP v3.
- **-a** *authentication protocol*—The authentication protocol.
- **-A** *authentication password*—The authentication password.
- **-p** *privacy protocol*—The privacy protocol.
- **-P** *privacy password*—The privacy password.
- **-v** *version*—The SNMP version, 1, 2c, or 3. The default is 2c.
- **-c** *community*—The read community string of the device (required)

You do not need to restart Prime Performance Manager server.

Available in GUI

Yes

Related Topics

- [ppm addsnmpcomm, page B-9](#)
- [ppm deletesnmpcomm, page B-28](#)
- [ppm showsnmpcomm, page B-89](#)

ppm modifyunitconf

Syntax

```
/opt/CSCOppm-gw/bin/ppm modifyunitconf {-i ipaddress | -u unitname }
```

Command Description

Command uses the option **-i** (*ipaddress*) and **-u** (*unitname*) to modify a unit configuration.

Available in GUI

Yes

ppm motd

Syntax

```
/opt/CSCOppm-gw/bin/ppm motd [cat | disable | edit | enable]
```

Command Description

Manages Prime Performance Manager Message of the Day file, which is a user-specified Prime Performance Manager system notice. You can set the Message of the Day to inform users of important changes or events in Prime Performance Manager system.

The Message of the Day also provides users with the chance to exit Prime Performance Manager before launching.

If you enable the Message of the Day, it appears whenever a user attempts to launch an Prime Performance Manager client. If the user:

- Accepts the message, the client launches.
- Declines the message, the client does not launch.

Use these keywords with this command:

- **enable**—Enables the Message of the Day function. Initially, the message of the day file is blank; use **ppm motd edit** command to specify the message text.
- **edit**—Edits the Message of the Day.
- **cat**—Displays the contents of the Message of the Day file.
- **disable**—Disables this function (that is, stops displaying the Message of the Day whenever a user attempts to launch an Prime Performance Manager or GTT client).

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topics

[ppm premotd, page B-71](#)

[Launching the Web Interface, page 3-1](#)

ppm movenode

Syntax

```
/opt/CSCOppm-gw/bin/ppm movenode [node1 unit1] [node2 unit2...]
```

Command Description

Moves devices from one unit to another.

Available in GUI

Yes.

ppm msglog

Syntax

```
/opt/CSCOppm-gw/bin/ppm msglog [clear | -r]
```

Command Description

Uses PAGER to display the contents of the system message log.

To save the current contents of the log, clear the log, and restart the server, enter **/opt/CSCOppm-gw/bin/ppm msglog clear**.

To display the contents of the log in reverse order, with the most recent messages at the beginning of the log, enter **/opt/CSCOppm-gw/bin/ppm msglog -r**.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm msglogage

Syntax**/opt/CSCOppm-gw/bin/ppm msglogage** [*number-of-days*]**Command Description**

Sets the maximum number of days to archive all types of log files before deleting them from Prime Performance Manager server.

If you enter this command without the *number-of-days* argument, Prime Performance Manager displays the current maximum number of days. You can then change that value or leave it. The valid range is one day to an unlimited number of days. The default value is 31 days.

The start date for aging out and deleting files is always yesterday at 12 AM. For example, say that you set the value to one day and you run the **ppm msglogage** command at 3 PM on January 10th.

To find files that will be deleted by the aging process, count back to 12 AM on January 10th, then add the number of days set in the command. In this example, we added one more day, so any file with an earlier timestamp than January 9th at 12 AM will be removed.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm msglogdir

Syntax**/opt/CSCOppm-gw/bin/ppm msglogdir** [*directory*]**Command Description****Note**

You must stop Prime Performance Manager server before performing this command. You are prompted whether to continue.

Changes the default location of all Prime Performance Manager system message log files. By default, the system message log files reside on Prime Performance Manager server at */opt/CSCOppm-xxx/logs*. Where *xxx* denotes a unit or gateway.

**Note**

Do not set the new directory to any of these: */usr*, */var*, */opt*, or */tmp*. Also, do not set the new directory to the same directory in which you are storing GTT files (**ppm gttmdir**), report files (**ppm repdir**), route table files (**ppm routedir**), or address table files (**ppm atbldir**).

After you change the directory, Prime Performance Manager asks if you want to restart Prime Performance Manager server. The new directory takes effect when you restart Prime Performance Manager server.

You must log in as the root/super user to use this command. If you change to a default location outside Prime Performance Manager, you must have appropriate permissions for that location.

Available in GUI

No

ppm netflow

Syntax

`/opt/CSCOppm-unit/bin/ppm netflow [enable | disable | status]`

Command Description

Enables, disables or checks the status of the NetFlow collection on the unit server. If enabled, the NetFlow collector listens for and processes NetFlow packets on the unit. The NetFlow collector must be enabled to generate NetFlow reports. The command changes the NETFLOW_ACTIVE property in `/opt/CSCOppm-unit/properties/NetFlow.properties`. The default value is enabled. However, if you are not generating NetFlow reports, disabling NetFlow is recommended to free up memory.

The command is available only on the unit. Enabling or disabling NetFlow requires a unit restart. The restart is performed by the ppm restart command (see [ppm restart](#), page B-83).

Available in GUI

No

ppm netflowport

Syntax

`/opt/CSCOppm-unit/bin/ppm netflowport [port]`

Command Description

Changes the NetFlow collector port where the collector listens for NetFlow packets from devices. The command changes the UDP_PORT property in `/opt/CSCOppm-unit/properties/NetFlow.properties`. The default value is 9991 port. The command is available only on the unit. Changing the NetFlow port requires a unit restart. The restart is performed by the command.

Available in GUI

No

ppm netflowservfile

Syntax

`/opt/CSCOppm-unit/bin/ppm netflowservfile [file]`

Command Description

Changes the NetFlow services files used by GetServByPort macro. The macro looks up service names for NetFlow ports and protocol. By default, the file is /opt/CSCOppm-gw/etc/services and /opt/CSCOppm-unit/etc/services. (The file is available on both gateway and unit.) You can add or modify the services file entries on the gateway and the changes are automatically sent to all the units.

If you have your own lookup file that you want to use instead of the default services file, use this command to specify the alternate file. The new file must be in the same syntax as the default services file.

This command changes the NETFLOW_PORTSERVICES_FILE property in System.properties. You must execute the command on both the gateway and unit servers for the changes to take effect.

Available in GUI

No

ppm netlog

Syntax

/opt/CSCOppm-gw/bin/ppm netlog [clear | -r]

Command Description

Uses PAGER to display the contents of the network status log. To:

- Save the current contents of the log, clear the log, and restart the server, enter /opt/CSCOppm-gw/bin/ppm netlog clear.
- Display the contents of the log in reverse order, with the most recent network status messages at the beginning of the log, enter /opt/CSCOppm-gw/bin/ppm netlog -r.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm netlogger

Server Only**Command Description**

Displays the current contents of the network status log file with tail -f command.

To stop the display, enter **Ctrl-c**.

Available in GUI

Yes

ppm newlevel

Syntax

/opt/CSCOppm-gw/bin/ppm newlevel [username]

Command Description

If you enable Prime Performance Manager User-Based Access, changes the authentication level for the specified user. Valid levels are:

- **1**—Basic User
- **3**—Network Operator
- **5**—System Administrator
- **11 & 12** — Custom Level

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Enabling User Accounts and Passwords Using the CLI, page 6-24](#)

ppm nontoerrcount

Syntax

`/opt/CSCOppm-gw/bin/ppm nontoerrcount [number]`

Command Description

Sets the number of non-timeout errors allowed in a report sequence. This command and the ppm toerrcount command control the number of polling errors to get from a device in a polling sequence before giving up on that entire polling sequence. The default is 1.

Available in GUI

No

Related Topic

- [ppmtoerrcount, page B-115](#)

ppm numfastthreads

Syntax

`/opt/CSCOppm-gw/bin/ppm numfastthreads`

Command Description

Displays the number of fast SNMP polling threads.

Available in GUI

Yes

Related Topics

- [ppm fastinterval, page B-39](#)

- [ppm numslowthreads](#), page B-66

ppm numslowthreads

Syntax

`/opt/CSCOppm-gw/bin/ppm numslowthreads`

Command Description

Displays the number of slow SNMP polling threads.

Available in GUI

Yes

Related Topics

- [ppm fastinterval](#), page B-39
- [ppm numfastthreads](#), page B-65

ppm optimizecapabilitypoll

Syntax

`/opt/CSCOppm-gw/bin/ppm optimizecapabilitypoll {enable | disable | status}`

Command Description

Enables or disables capability poll optimization. If enabled, Prime Performance Manager capability polling polls devices for capabilities based on network-level or device-level enabled reports. If disabled, Prime Performance Manager polls devices for all the device capabilities regardless of whether reports are enabled at the network or device levels. Use these keywords and arguments with this command:

- **enable**—Enables capability poll optimization.
- **disable**—Disables capability poll optimization.
- **status**—Displays the capability poll optimization status.

Available in GUI

No

Related Topic

[Device Report Capability Polling](#), page 7-32

ppm osinfo

Syntax

`/opt/CSCOppm-gw/bin/ppm osinfo`

Command Description

Depending on the networks that you have set, displays the operating system versions of software that Prime Performance Manager supports.

Available in GUI

Yes

ppm passwordage

**Note**

You should have already changed your password at least once for this command to properly age the password.

Syntax

/opt/CSCOppm-gw/bin/ppm passwordage [*days* | *clear*]

Command Description

If you enable Prime Performance Manager User-Based Access and you set **/opt/CSCOppm-gw/bin/ppm authtype** to **local**, number of days allowed before forcing users to change passwords. The number of days start to accrue beginning yesterday at 12 AM.

**Note**

For more details on how this works, see [ppm msglogage, page B-62](#).

This function is disabled by default. If you do not specify this command, users will never need to change their passwords.

If you enter **/opt/CSCOppm-gw/bin/ppm passwordage** command, the valid range is one day to an unlimited number of days. No default setting exists.

If you enabled this function and you want to disable it (that is, prevent Prime Performance Manager from forcing users to change passwords), enter **/opt/CSCOppm-gw/bin/ppm passwordage clear**.

**Note**

If **/opt/CSCOppm-gw/bin/ppm authtype** is set to **solaris**, you cannot use this command. Instead, you must manage passwords on the external authentication servers.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Editing User Security Settings, page 6-21](#)

ppm patchlog

Syntax

/opt/CSCOppm-gw/bin/ppm patchlog

Command Description

Uses PAGER to display the contents of the patch log, which lists the patches that you installed on Prime Performance Manager server.

The default path and filename for the patch log file is */opt/CSCOppm-gw/install/sgmPatch.log*. If you installed Prime Performance Manager in a directory other than */opt*, then the patch log file resides in that directory.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm ping

Syntax

/opt/CSCOppm-gw/bin/ppm ping [hostname]

Command Description

You use this command to ping a device from the command line.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm pingpolldelay

Syntax

/opt/CSCOppm-gw/bin/ppm pingpolldelay [minutes]

Command Description

You use this command to set the polling delay, in minutes.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm pnsintegration

Syntax

/opt/CSCOppm-gw/bin/ppm pnsintegration [remove]

Command Description

Integrates Prime Performance Manager with Cisco Prime Network Services Controller. Running ppm pnsintegration displays the following prompts:

- PNSC Host—The Prime Network Service Controller host name.

- PNSC Admin Username—The Prime Network Service Controller username.
- PNSC Admin Password—The Prime Network Service Controller user password.
- PPM Admin Username (New)—If user security is not enabled on Prime Performance Manager, the new administrator user that will be used to log into Prime Performance Manager from Prime Network Services Controller. (If user security is enabled, this prompt is not displayed.)
- PPM Admin Password (New) The new administrator user password.

Command options:

- Remove—Removes the integration.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topics

- [Prime Network Services Controller Integration Overview, page 4-9](#)
- [Integrating Prime Performance Manager With Prime Network Services Controller, page 4-10](#)

ppm policytool

Syntax

```
/opt/CSCOppm-gw/bin/ppm policytool [-a actionName] [parameters]
```

Command Description

Invokes report policy API operations.

Actions and parameters:

- assignReportPolicies
 - -A <deviceName>,<policyName>
 - -H <hostname>
 - -p <port number>
 - -S <yn>
 - -h <help>
- deleteReportPolicies
 - -n <policyName>
 - -H <hostname>
 - -p <port number>
 - -S <yn>
 - -h <help>
- getReportPolicies
 - -w <deviceName>
 - -P <policyName>

- -R <categoryName>
- -r <reportName>
- -o <outputType>
- -H <hostname>
- -p <port number>
- -S <yln>
- -h <help>
- updateReportPolicies
 - -u <policyFile>
 - -H <hostname>]
 - -p <port number>
 - -S <yln>
 - -h <help>

The updateReportPolicies file should contain an xml ReportPolicyList produced by the getReportPolicies action. The ordering of categories, reports, flags, and numbers is not significant. The command will always generate output in the same order but can handle any input order as long as the types are in the correct order.

For each update flag set, you can specify that all intervals are enabled or disabled, or you can specify individual interval settings. You cannot do both. Trying to do both will cause a validation failure.

The updateReportPolicies action does not change unspecified settings; you do not need to specify any settings that you do not want to change.

Parameters:

- -a—Specifies the operation type to perform.
- -A—Specifies a comma-separated assignment <deviceName>,<policyName>. Repeat for multiple assignments.
- -n—Specifies a policy name to delete. Repeat for multiple deletions.
- -u—Specifies a file name for the policies with the same format as the getReportPolicies xml output.
- -w—Specifies the device name (blank for all).
- -P—Specifies the policy name (blank for all, 'Default' for default).
- -R—Specifies the category name (blank for all, 'master' for global).
- -r—Specifies the report name (blank for all)
- -o—Specifies the output type (xml [default] or json)
- -H—Specifies a hostname to connect to. If not specified, the default value is obtained from the gateway System.properties file, SERVER_NAME property.
- -p—Specifies a port to connect to. If not specified, the default value is obtained from the gateway System.properties file, WEB_PORT property.
- -S—Specifies whether to use SSL (https) for NAPI access, default is no SSL.
- -h—Print help information.

Available in GUI

Yes

ppm poll

Syntax

`/opt/CSCOppm-gw/bin/ppm poll [node] [node]...`

Command Description

You use this command to poll one or more known nodes from the command line. Use the *node* arguments to specify the DNS names or IP addresses of one or more known nodes.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm pollstarschemas

Syntax

`/opt/CSCOppm-gw/bin/ppm pollstarschemas [schemaName] [schemaName2][schemaNameN]...`

Command Description

Poll for all or selected StarOS schemas for the discovered device.

Available in GUI

No

ppm premotd

Syntax

`/opt/CSCOppm-gw/bin/ppm premotd [cat | disable | edit | enable]`

Command Description

Manages the message that appears at the bottom of the Prime Performance Manager login window.

Use these keywords with this command:

- **enable**—Enables the message at the bottom of the login window.
- **edit**—Edits the message at the bottom of the login window.
- **cat**—Displays the message at the bottom of the login window.
- **disable**—Disables the login window message.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topics

[ppm motd, page B-60](#)

[Launching the Web Interface, page 3-1](#)

ppm primecentralintegration

Syntax

```
/opt/CSCOppm-gw/bin/ppm primecentralintegration
```

Command Description

Use this command to integration Prime Performance Manager with Cisco Prime Central. After you enter the command, you will be prompted for the following information:

- Enter Prime Central Server—Enter the Prime Central database server IP address or hostname.
- Enter SID [primedb]—Enter the Prime Central database service name, which is primedb by default.
- Enter DB User [primedba]—Enter the Prime Central database username, which is primedba by default.
- Enter DB Password [*****]—Enter the Prime Central database user password; for example, Test456!
- Enter DB Port [1521]—Enter the Prime Central database port number, which is 1521 by default.
- Restart Prime Central Integration Layer [Yes]—Enter **Y** to restart the integration layer server.

You must log in as the root/super user to use this command. For additional information, see [Chapter 4, “Importing Devices From Other Cisco Prime Applications.”](#)

Available in GUI

Yes

ppm primeha

Syntax

```
/opt/CSCOppm-gw/bin/ppm primeha [status | switch | configure {peergatewayname |  
peergatewayrmiport | healthcheckinterval | maxfailnum | synccsv | ageout | cachelimit} | backupdb  
(path) | freeze | unfreeze | backup | restore (file name)]
```

Command Description

Manages Prime Performance Manager geographical HA implementation.

Use these keywords with this command:

- **status**—Shows the geographical HA status.
- **switch**—Immediately moves from the primary HA gateway to secondary gateway.
- **configure**—Configures the following geographical HA parameters
 - **peergatewayname**—The peer gateway IP address or host name.
 - **peergatewayrmiport**—The peer gateway RMI port.
 - **healthcheckinterval**—The health check interval, in seconds.
 - **maxfailnum**—The maximum number of health check failures before a failover is initiated.
 - **synccsv**—Synchronizes the CSV files.

- **ageout**—Sets the age time out.
 - **cachelimit**—Sets the cache limit.
 - **backupdb** *{path}*—Backs up the primary gateway database. If the primary gateway is out of sync, sets it to in sync.
You must log in as the root/super user to use this command option.
 - **freeze**—Stop the health check of remote Secondary Gateway. Prevent failover during the Primary Gateway restart.
 - **unfreeze**—Start the health check of remote Secondary Gateway.
 - **backup**—Backs up data files to a backup location.
You must log in as the root/super user to use this command option.
 - **restore** *{filename}*—Restores gateway system files with specified backup file.
You must log in as the root/super user to use this command option.
- You must log in as the root/super user to use this command.

Available in GUI

No

Related Topic

[Managing Geographical High Availability, page 14-7](#)

ppm primenetworkintegration

Syntax

/opt/CSCOppm-gw/bin/ppm primenetworkintegration [remove]

Command Description

Use this command to integrate Prime Performance Manager with Cisco Prime Network. After you enter the command, you will be prompted for the following information:

- Enter Prime Network Host Name or IP Address—Enter the Prime Network hostname or IP address.
- Enter the Prime Network port—Enter the Prime Network port.
- Secured?—Enter **y** if the port is secured; **n** if it is not.
- Enter Prime Network User Name—Enter the Prime Network username.
- Enter Prime Network User Password [*****]—Enter the Prime Network user password; for example, Test456!
- Enable Strict Synchronization?—Enter **y** if the port is secured if you want to enable strict synchronization; **n** if you do not. If strict synchronization is enabled, Prime Performance Manager can only generate reports from devices imported from Prime Network

You must log in as the root/super user to use this command. For additional information, see [Chapter 4, “Importing Devices From Other Cisco Prime Applications.”](#)

Available in GUI

Yes

ppm print

Syntax

```
/opt/CSCOppm-gw/bin/ppm print {all | device | snmp | task | alarmsummary [severity] [quiet]}
```

Command Description

Displays information about device versions, SNMP settings, running tasks, summary of alarms, or all of this information.

Use these keywords with this command:

- **device**—Prints name, state, and system description of all nodes in the network.
- **snmp**—Prints SNMP information such as read and write community strings.
- **task**—Prints a list of task IDs and related information.
- **alarmsummary**—Prints a list of alarms sorted by severity types (critical, major, minor, and so on).
 - *severity*—Prints a list of alarms of a specified severity type. The severity takes one of these values: critical, major, minor, warning, informational, or indeterminate.
 - **quiet**—Use this keyword to print only the alarm counts (without the severity label)
- **all**—Prints the information available in all of the keywords of this command.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm printreportstatus

Syntax

```
/opt/CSCOppm-gw/bin/ppm printreportstatus {enable | disable}
```

Command Description

Enables or disables report status printing in the Prime Performance Manager GUI.

Available in GUI

Yes

ppm props

Syntax

```
/opt/CSCOppm-gw/bin/ppm props
```

Command Description

Displays the contents of the *System.properties* files for both Prime Performance Manager server and client installations.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm probetool

Syntax

```
/opt/CSCOppm-gw/bin/ppm probetool -a {addProbe | updateProbe | deleteProbe | getProbeInfo}
```

Command Description

This command adds and manages probes in Prime Performance Manager.

Options

- addProbe—Adds a probe to Prime Performance Manager. Options:
 - -u <XML file>
 - [-H <hostname>]
 - [-p <port number>]
 - [-S <yln>]
 - [-h <help>]
- updateProbe—Updates a probe. Options:
 - -u <XML file>
 - [-H <hostname>]
 - [-p <port number>]
 - [-S <yln>]
 - [-h <help>]
- deleteProbe—Deletes a probe. Options:
 - -w <deviceName>
 - -v <probeName>
 - [-H <hostname>]
 - [-p <port number>]
 - [-S <yln>]
 - [-h <help>]
- getProbeInfo—Gets probe information. Options:
 - -w <deviceName>
 - -v <probeName>
 - [-H <hostname>]
 - [-p <port number>]

- [-S <y|n>]
- [-h <help>]

Parameters:

- -a—Specifies the type of operation to be performed.
- -u—Specifies a file name for the probe.
- -v—Specifies the name for the probe.
- -w—Specifies the name for the device
- -H—Specifies a hostname to connect to. If not specified, default value is obtained from the gateway System.properties file, SERVER_NAME property.
- -p—Specifies a port to connect to. If not specified, default value is obtained from the gateway System.properties file, WEB_PORT property.
- -S—Specifies whether to use SSL (https) for NBAPI access, default is no SSL.
- -h—Print help information.

Available in GUI

Yes

ppm purgedb

Syntax

/opt/CSCOppm-gw/bin/ppm purgedb

Command Description

Permanently deletes all components in Prime Performance Manager database marked for deletion. Prime Performance Manager retains information about older objects in its database even after they are deleted. This is considered a logically deleted state. The command also starts the report aging task so any report data that has reached the aging time for any report and time interval is removed.

Prime Performance Manager retains this information to maintain any user customized data associated with an object (for instance, a customized name) in case the object is rediscovered in the future. Logically deleted data is physically deleted after seven days if it is not reused by then.

This command immediately removes logically deleted data from the Prime Performance Manager database. Unfortunately, this benefit may have a side effect. In certain cases, rediscovery of a deleted object may cause Prime Performance Manager to use obsolete information in the database, rather than the new information. Some configuration changes might not be detected, and the viewable data displayed in the client application is incorrect.

**Note**

This command does not cause the loss of any collected statistical data.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm pwdchangeinterval

Syntax

`/opt/CSCOppm-gw/bin/ppm pwdchangeinterval [hours]`

Command Description

If password change restriction is enabled, specifies the length of time within which users cannot change their password more than the number of times specified in ppm pwdchangelimit applies in hours. The default is 48 hours. The allowable range is 1 through 745 hours.

Available in GUI

Yes

Related Topics

- [ppm pwdchangerestrict, page B-77](#)
- [ppm pwdchangelimit, page B-77](#)
- [Editing User Security Settings, page 6-21](#)

ppm pwdchangelimit

Syntax

`/opt/CSCOppm-gw/bin/ppm pwdchangelimit [limit]`

Command Description

If password change restriction is enabled, specifies the number of times users can change their passwords within length of time specified in ppm pwdchangeinterval. The default is 2. The allowable range is 1 through 10.

Available in GUI

Yes

Related Topics

- [ppm pwdchangerestrict, page B-77](#)
- [ppm pwdchangeinterval, page B-77](#)
- [Editing User Security Settings, page 6-21](#)

ppm pwdchangerestrict

Syntax

`/opt/CSCOppm-gw/bin/ppm pwdchangerestrict { enable | disable }`

Command Description

Enables or disables the password change restriction. If enabled, users cannot change their passwords more frequently than the number specified in ppm pwdchangelimit with the time interval specified in ppm pwdchangeinterval.

Available in GUI

Yes

Related Topics

- [ppm pwdchangeinterval](#), page B-77
- [ppm pwdchangelimit](#), page B-77
- [Editing User Security Settings](#), page 6-21

ppm ramdisksize

Syntax

```
/opt/CSCOppm-gw/bin/ppm ramdisksize {[MB] gw | unit}
```

Command Description

Sets the gateway or unit RAM disk size. You can run the command in two ways. You can enter the command with the specified MB value, or you can enter the command and enter responses to command prompts.

Options:

- ppm ramdisksize—Displays the current value and prompts you to enter a new value for both the gateway and collocated unit (if present). If you change the RAM value, a message is shown to restart the gateway and unit.
- ppm ramdisksize *nnn*—Changes the RAM disk size immediately for both the gateway and collocated unit (if present) for the new *nnn* RAM value, then shows the restart gateway and restart unit messages.
- ppm ramdisksize *nnn* gw—Changes the gateway RAM disk size immediately to the *nnn value* and displays the restart gateway message.
- ppm ramdisksize *nnn* unit—Changes the unit RAM disk size immediately to the *nnn value* and displays the restart unit message.

**Note**

Before running this command, check for the available memory.

**Note**

You must restart the gateway or unit after you change its RAM disk size.

Available in GUI

No.

ppm readme

Syntax

```
/opt/CSCOppm-gw/bin/ppm readme
```

Command Description

Displays the Prime Performance Manager README file contents.

Available in GUI

Yes

Related Topic

[Chapter 3, “Managing the Web Interface”](#)

ppm reboot

Syntax

`/opt/CSCOppm-gw/bin/ppm reboot`

Command Description

Reboots the Solaris Prime Performance Manager system.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm redistributenodes

Syntax

`/opt/CSCOppm-gw/bin/ppm redistributenodes`

Command Description

Redistributes discovered network devices based upon the current unit configuration.

Available in GUI

Yes

ppm redundancygroups

Syntax

`/opt/CSCOppm-gw/bin/ppm redundancygroups [list | detail | create | add | remove | delete | redundant | delay | enable | disable | failover | failback | import | export]`

Command Description

Creates and manages unit protection groups. Use the following keywords with this command:

- **list**—Lists the redundancy groups defined on the gateway, similar to the following:

```
ppm redundancygroups list
groupA, Enabled, Number of Units: 2
groupB, Enabled, Number of Units: 4
```

- **detail** [*group name*]
—Lists the redundancy group details, similar to the following:

```
ppm redundancygroups detail groupA
ID: 54001
Name: groupA
Enabled
Created: Wed Sep 21 11:44:36 EDT 2011
Create User: localhost
Last Modified: Wed Sep 21 11:44:36 EDT 2011
Last Modified User: localhost
Enabled
Fail over delay: 60
Units: [
    unit1,      Primary,
    unit2,      Redundant
    unit3,      Primary
    unit4,      Primary
```

- **create** [*group name* | *delay* | *unit(s)...*]
—Creates a redundancy group with the provided group name, switchover delay (in seconds), and unit(s).
- **add** [*group name* | *unit(s) ...*]
—Adds unit(s) to a redundancy group.
- **remove** [*group name* | *unit(s) ...*]
—Removes a unit(s) from a redundancy group.



Note A redundant unit cannot be removed from a redundancy group. To remove a redundant unit, you must change the redundant unit for the group, then you can remove the old redundant unit. Another option is to delete and recreate the redundancy group.

- **delete** [*group name*]
—Deletes a redundancy group. The unit redundancy mode is not checked.
- **redundant** [*group name* | *unit*]
—Changes the redundant unit of a redundancy group. No devices can be attached to the new redundant node.
- **delay** [*group name* | *delay*]
—Changes the failover delay of a redundancy group. The delay, specified in seconds, is the amount of time the gateway waits after detecting a unit is unavailable before initiating a failover to the redundant unit
- **enable** [*group name*]
—Enables a redundancy group.
- **disable** [*group name*]
—Disables a redundancy group. When a group is disabled automatic failovers will not occur. However, you can perform manual failovers and failbacks.
- **failover** [*unit*]
—Forces the failover of a unit to the redundant unit of the redundancy group.
- **failback** [*unit*]
—Initiates a return of control from the redundant unit to the specified unit.
- **import** [*/directory/filename*]
—Imports a redundancy group definitions from the provided file name.
- **export** [*/directory/filename*]
—Exports redundancy group definitions to the provided file name.

Available in GUI

No

Related Topic

[Managing Unit Redundancy Groups, page 13-8](#)

ppm reloadbulkstats

Syntax

/opt/CSCOppm-gw/bin/ppm reloadbulkstats

Command Description

Reloads the bulkstatsschema.csv schema file. The bulkstatsschema.csv, located in the /opt/CSCOppm-gw/etc/, gathers bulk statistics from the Cisco ASR 5000 and 5500 Series devices. The bulk statistics include counters that Prime Performance Manager uses for reports. The counters are grouped into schemas, and schemas are grouped into types. For example, card is a type, so card schema 1 might have 20 card counters, card schema 2 might have another 20 card counters, and so on.

To generate reports from ASR 5000 and 5500, the devices must be configured with the schemas and counters, and the schema file must be generated in CSV format and exported at regular intervals to Prime Performance Manager.

Only counter values are exported. The bulkstatsschema.csv file provides the corresponding counter names used by Prime Performance Manager to read the CSV files (bulk statistics) generated from the ASR 5000/5500. If the ASR 5000/5500 devices are configured with a new schema or type or the counter sequence changed, the bulkstatsschema.csv file must be updated. This command updates the Prime Performance Manager in-memory schema counters list with the new counter information from /opt/CSCOppm-gw/etc/bulkstatsschema.csv.

You do not need to restart Prime Performance Manager.

The command supported only on the gateway.

Available in GUI

No

ppm reloadmibs

Syntax

/opt/CSCOppm-gw/bin/ppm reloadmibs

Command Description

Reloads the current or master snmpinfo.dat file.

Available in GUI

Yes

ppm rename

Syntax

/opt/CSCOppm-gw/bin/ppm rename *dnsname customname*

Command Description

Renames a device DNS name to a custom name:

- *dnsname*—The DNS name you want to change.
- *customname*—The new custom name.

Available in GUI

No

ppm repdir

Syntax**/opt/CSCOppm-gw/bin/ppm repdir** *[directory]* **[nostart]****Command Description**

Command to set directory used for reports. The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm reportdir

Syntax**/opt/CSCOppm-gw/bin/ppm reportdir****Command Description**

Command to set directory used for reports. The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm rephelp

Syntax**/opt/CSCOppm-gw/bin/ppm rephelp****Command Description**

Displays Help for all commands that are related to Prime Performance Manager reports.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm resolvehostnames

Syntax

/opt/CSCOppm-gw/bin/ppm resolvehostnames [*object*] [**arg** {*argument*}]

Command Description

Returns the host name in a string format. The hostname is resolved using the naming resolution defined in the optional arg parameter. If the arg parameter is not provided, the macro uses the naming resolution defined in RESOLVE_HOST_NAMES in the Reports.properties file. If RESOLVE_HOST_NAMES is not found in Reports.properties, the macro uses DNS to resolve the IP to a hostname. Regardless of the naming resolution strategy, if the command cannot resolve the IP address, it returns the IP address as the hostname.

- **object**—Is an IP address.
- **arg**—An optional parameter that defines the naming resolution, either DNS name or Prime Performance Manager device name:
 - **dns**—Resolves the IP address using the DNS. If the IP is not resolved to a name, it returns the IP address.
 - **ppm**—Resolves the IP address using the Prime Performance Manager device name based on the definition specified in the ppm statreps nametype command.
 - **ppm,dns**—Resolves the IP address using the Prime Performance Manager device name. If the device cannot be found for that IP address, it resolves the IP using the DNS.
 - **dns,ppm**—Resolves the IP address using the DNS. If the IP cannot be resolved to a name because the IP is not registered in the DNS, it uses the Prime Performance Manager device name.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm restart

Syntax

/opt/CSCOppm-gw/bin/ppm restart [**jsp** | **pm** | **web**]

Command Description

Restarts Prime Performance Manager servers on the local host:

- **jsp**—Restarts Prime Performance Manager JSP Server.
- **pm**—Restarts Prime Performance Manager Application Server and all managed processes.
- **web**—Restarts Prime Performance Manager web Server.

If you do not specify a keyword, **/opt/CSCOppm-gw/bin/ppm restart** restarts all Prime Performance Manager servers.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm restore

Syntax**/opt/CSCOppm-gw/bin/ppm restore [logs | reports | security]****Command Description**

Restores Prime Performance Manager data files from a previous backup, stored in Prime Performance Manager installation directory. If you installed Prime Performance Manager in:

- The default directory, */opt*, then the locations of the backup files are */opt/ppm10-Unit-ems-lnx001-backup.tar* and */opt/ppm10-gateway-ems-lnx001-backup.tar*.
- A different directory, then the backup files reside in that directory.

You can restore data files on the same Solaris or Linux server; or, on a different Solaris or Linux server that is running Prime Performance Manager 1.x.

To restore only specific parts of Prime Performance Manager data files, use these keywords:

- **logs**—Restores only Prime Performance Manager log files, such as the message log files.
- **reports**—Restores only Prime Performance Manager report files, such as the statistics report files.
- **security**—Restores only the security-related parts of Prime Performance Manager data files. This command is useful if you inadvertently delete your user accounts or make other unwanted changes to your Prime Performance Manager security information.

**Note**

If **/opt/CSCOppm-gw/bin/ppm backupdays** was previously used to set the number of backup days to more than one day, **/opt/CSCOppm-gw/bin/ppm restore** command prompts you for a server or client backup file to restore from. This is because there would be more than one backup file to choose from).

To change the directory in which Prime Performance Manager stores these backup files, use **/opt/CSCOppm-gw/bin/ppm backupdir** command.

The server is restarted automatically after running **/opt/CSCOppm-gw/bin/ppm restore** command.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topics

- [Backing Up Prime Performance Manager Data Files, page 18-2](#)
- [ppm backupdata, page B-13](#)
- [ppm backupdir, page B-16](#)

ppm restore all

Syntax

`/opt/CSCOppm-gw/bin/ppm restore all [nostart]`

Command Description

Restores all system files. The server must be restarted for the directory changes to take effect. This normally occurs after running the command. Enter the **nostart** option if you want to restart server at a later time.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm restoreprops

Command Description

Restores Prime Performance Manager server and client *System.properties* files and other important configuration files to the backup versions of the files.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm rootvars

Command Description

Displays the Prime Performance Manager gateway and unit root installation location, which is stored in the */etc/CSCOppm.sh* file.

Available in GUI

Yes

ppm rpm

Syntax

`/opt/CSCOppm-gw/bin/ppm rpm`

Command Description

Displays Prime Performance Manager RPMs installed.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm sechelp

Syntax`/opt/CSCOppm-gw/bin/ppm sechelp`**Command Description**

Displays help for all commands that are related to Prime Performance Manager security.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topic

[Chapter 6, “Managing Users and Security”](#)

ppm seclog

Syntax`/opt/CSCOppm-gw/bin/ppm seclog [clear | -r]`**Command Description**

Uses PAGER to display the contents of the system security log.

These security events are recorded in the log:

- All changes to system security, including adding users.
- Log in attempts, whether successful or unsuccessful, and log offs.
- Attempts to switch to another user's account, whether successful or unsuccessful.
- Attempts to access files or resources of higher authentication level.
- Access to all privileged files and processes.
- Operating system configuration changes and program changes, at the Solaris level.
- Prime Performance Manager restarts.
- Failures of computers, programs, communications, and operations, at the Solaris level.

To clear the log, enter `/opt/CSCOppm-gw/bin/ppm seclog clear`.

To display the contents of the log in reverse order, with the most recent security events at the beginning of the log, enter `/opt/CSCOppm-gw/bin/ppm seclog -r`.

The default path and filename for the system security log file is `/opt/CSCOppm-gw/logs/sgmSecurityLog.txt`. If you installed Prime Performance Manager in a directory other than `/opt`, then the system security log file resides in that directory.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Displaying the System Security Log, page 6-27](#)

ppm serverclocktolerance

Syntax

`/opt/CSCOppm-gw/bin/ppm serverclocktolerance [secs]`

Command Description

Sets the number of seconds timing between Prime Performance Manager and a server can be out of synchronization before an alarm is raised. The default is 900 seconds.

Available in GUI

No

ppm servername

Syntax

`/opt/CSCOppm-gw/bin/ppm servername [hostname] [nostopstart]`

Command Description

Command resets Prime Performance Manager server default hostname, where hostname is the new default hostname.

- Verify that the new default hostname is valid and defined in your `/etc/hosts` file. If not, you might not be able to start the Prime Performance Manager server.
- Verify that the IP address of the resolved server name is the same to connect the gateway name.
- You must log in as root/super user to run this command.
- nostopstart - The server is not stopped and started automatically while running this command.

Available in GUI

No

Related Topic

- [Chapter 2, “Managing Gateways and Units Using the CLI”](#)

ppm setpath

Syntax

`/opt/CSCOppm-gw/bin/ppm setpath [username]`

Command Description

Appends binary (*bin*) directories to the user path so users can append Prime Performance Manager binary directories to their paths without manually editing the *.profile* and *.cshrc* files.

This command appends lines such as these to the user's *.profile* file:

```
PATH=$PATH:/opt/CSCOppm-gw/bin:/opt/CSCOppm-gw Client/bin # CiscoPPM
```

and appends lines such as these to the user's *.cshrc* file:

```
set path=($path /opt/CSCOppm-gw/bin /opt/CSCOppm-gw Client/bin) # CiscoPPM
```

Thereafter, you can enter Prime Performance Manager commands as:

```
/opt/CSCOppm-gw/bin/ppm help
```

When entering this command, remember that:

- If you enter this command and you do not specify a *username*, Prime Performance Manager appends the *bin* directories to your path (that is, to the path for the user who is currently logged in and entering **/opt/CSCOppm-gw/bin/ppm setpath** command).
- If you enter this command and you specify a *username*, Prime Performance Manager appends the *bin* directories to the path for the specified user. To specify a *username*, follow these conditions:
 - You must log in as the root/super user.
 - The specified *username* must exist in the local */etc/passwd* file.
 - You cannot specify a *username* that is defined in a distributed Network Information Services (NIS) system or in an Network File System-mounted (NFS-mounted) home directory.
- If you enter this command more than once for the same user, each command overwrites the previous command. Prime Performance Manager does not append multiple *bin* directories to the same path.

Available in GUI

No

ppm setpctrappedestination

Syntax

```
/opt/CSCOppm-gw/bin/ppm setpctrappedestination
```

Command Description

After you integrate Prime Performance Manager with Prime Central, this command allows you to change the default trap destination. After integration, traps are sent to the Prime Central Fault Management. This command allows you to change the trap destination to Prime Network. When you run the command, output similar to the following is displayed:

```
Trap destinations registered with Prime Central:
1. Prime Fault Management (hostname)
2. Prime Network (hostname)
Enter trap destination: [1, 2] 2
Prime Performance is sending traps to: Prime Network
```

Available in GUI

No

ppm setservicerole

Syntax

`/opt/CSCOppm-gw/bin/ppm setservicerole [primary | secondary]`

Command Description

In an High Availability (HA) configuration, sets the primary and secondary servers.

Available in GUI

No

ppm showcreds

Syntax

`/opt/CSCOppm-gw/bin/ppm showcreds -i ipaddress/hostname`

Command Description

Displays the Telnet and SSH device credentials on the Prime Performance Manager gateway.

-i ipaddress/hostname—The IP address or hostname of the device (required)

Available in GUI

Yes

ppm showsnmpcomm

Syntax

`/opt/CSCOppm-gw/bin/ppm showsnmpcomm [-i ipaddress]`

Command Description

Shows the specified SNMP configuration, or all SNMP configurations, on Prime Performance Manager server.

-i ipaddress—the IP address of the device (optional). If not specified, displays all SNMP configurations on the server.

Available in GUI

Yes

Related Topics

- [ppm addsnmpcomm](#), page B-9
- [ppm deletesnmpcomm](#), page B-28
- [ppm modifiesnmpcomm](#), page B-59

ppm showunitconf

Syntax

`/opt/CSCOppm-gw/bin/ppm showunitconf [-i (ipaddress)]`

Command Description

Shows the configuration that specifies the relationship between nodes and their managed units.

-i *ipaddress* - IP address of the node is optional. If not specified, displays all configured entries on the server.

Available in GUI

Yes



Note

If a node is not specified in the configuration, it means the node will be managed by the default unit. The default unit is the unit which connects to the gateway first.

ppm shutdown

Syntax

`/opt/CSCOppm-gw/bin/ppm shutdown`

Command Description

This command will completely shutdown the hardware system.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm singleess

Syntax

`/opt/CSCOppm-gw/bin/ppm singleess [enable | disable | block | status]`

Command Description

Defines whether a user can log into multiple web interface sessions.

- **enable**—Only a single session is allowed per user. If a user logs into a second web interface session, the first session is ended.
- **disable**—Disables the single session per user restriction. The user can log in as the same user from multiple web interfaces.
- **block**—Only a single session is allowed per user. If a user attempts to log into a second web interface session, they are blocked until they close the first session.
- **status**—Shows the status of the single session per user.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm smallcellver

Syntax

`/opt/CSCOppm-gw/bin/ppm smallcellver`

Command Description

Prints versions for small cell counter compliance.

Available in GUI

No

ppm snmpcomm

Syntax

`/opt/CSCOppm-gw/bin/ppm snmpcomm [name]`

Command Description

Sets a new default SNMP read community name. Prime Performance Manager automatically updates the name in the SNMP parameters file. The default path and filename for the SNMP parameters file is `/opt/CSCOppm-gw/etc/communities.conf`.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm snmpconf

Syntax

`/opt/CSCOppm-gw/bin/ppm snmpconf [filename]`

Command Description

Sets the file used for SNMP parameters, such as community names, timeouts, and retries.

The default path and filename for the SNMP parameters file is `/opt/CSCOppm-gw/etc/communities.conf`. If you installed Prime Performance Manager in a directory other than `/opt`, then the file resides in that directory.

When you specify a new path or filename, Prime Performance Manager restarts the servers.

**Note**

The SNMP parameters file uses the HP OpenView format; therefore, you can set this path and filename to point to the HP OpenView *ovsnmp.conf* file in an existing OpenView system. For information about exporting SNMP community names from CiscoWorks Resource Manager Essentials (RME).

You must log in as the root/super user to use this command.

Available in GUI

No

ppm snmpget

Syntax

```
/opt/CSCOppm-gw/bin/ppm snmpget [-JJVM_ARG1 [-JJVM_ARG2]...] [-v snmp_version]
[-c community_string] [-r retry] [-t timeout] [-d output_delimiter] [-u snmpv3_username]
[-a authentication_protocol | -A authentication_password] [-p privacy_protocol | -P privacy_password]
[--header|--no-header] [--raw-octets|--no-raw-octets] [--str-octets|--no-str-octets]
[--raw-timeticks|--no-raw-timeticks] [--resolve-integer|--no-resolve-integer]
[--resolve-bits|--no-resolve-bits] [--get-sysuptime|--no-get-sysuptime] [--instance oids]
[--int-instance integer] [--str-instance string] [hostname] [oid] [oid]...
```

Command Description

Queries the specified *hostname* by using SNMP **GetRequests**. Use these optional keywords and arguments with this command:

- **-JJVM_ARG1**—JVM options. You must specify the **-J** keyword and arguments before any other keywords and arguments.

For example, by default JVM uses a maximum of 64 MB of memory. However, if you are working in a large table, JVM might require more memory. To enable JVM to use a maximum of 256 MB of memory, use this syntax:

-J-Xmx256m

- **-v snmp_version**—SNMP protocol version. Valid versions are **1**, **2c**, or **3**. The default version is **2c**.
- **-c community_string**—SNMP community string. You specify the default community string in the SNMP parameters file, *communities.conf*.
- **-u snmpv3_username**—The SNMP username. The username is required for SNMP v3.
- **-a authentication_protocol**—The authentication protocol.
- **-A authentication_password**—The authentication password.
- **-p privacy_protocol**—The privacy protocol.
- **-P privacy_password**—The privacy password.
- **-r retry**—SNMP retry count. You specify the default retry count in the SNMP parameters file, *communities.conf*.
- **-t timeout**—SNMP timeout, in seconds. You specify the default timeout in the SNMP parameters file, *communities.conf*.
- **-d output_delimiter**—Output delimiter. The default output delimiter is a colon (:).

- **--header|--no-header**—Specifies whether to display variable names as table headers:
 - Specify **--header** to display variable names as table headers for tabular output, or to display MIB variable OIDs with the value for nontabular output. This is the default setting.
 - Specify **--no-header** if you do not want to display variable names as table headers for tabular output, or MIB variable OIDs with the value for nontabular output.
- **--raw-octets|--no-raw-octets**—Specifies whether to display octets as raw octets:
 - Specify **--raw-octets** to display raw octets, such as **6c 69 6e 6b**, for octet strings.
 - Specify **--no-raw-octets** if you do not want to display raw octets for octet strings. This is the default setting.

The other option for displaying octets is **--str-octets|--no-str-octets**.

- **--str-octets|--no-str-octets**—Specifies whether to display octets as strings:
 - Specify **--str-octets** to display octets as strings, such as **link**. This is the default setting.
 - Specify **--no-str-octets** if you do not want to display octets as strings.

The other option for displaying octets is **--raw-octets|--no-raw-octets**.

- **--raw-timeticks|--no-raw-timeticks**—Specifies the time format:
 - Specify **--raw-timeticks** to specify raw timeticks, such as **2313894**.
 - Specify **--no-raw-timeticks** to specify formatted timeticks, such as **6 Hours 26 Mins 12 Secs**. This is the default setting.
- **--resolve-integer|--no-resolve-integer**—Specifies the time format. Use:
 - **--resolve-integer** to display integers using the string description in the MIB, such as **available** or **unavailable**.
 - **--no-resolve-integer** to display integers as numbers. This is the default setting.
- **--resolve-bits|--no-resolve-bits**—Specifies the time format. Use:
 - **--resolve-bits** to display bits using the string description in the MIB, such as **continue** or **ruleset**.
 - **--no-resolve-bits** to display bits as numbers, such as **1** or **14**. This is the default setting.
- **--get-sysuptime|--no-get-sysuptime**—Specifies whether to retrieve the **sysuptime**. Use:
 - **--get-sysuptime** to retrieve the sysuptime in the same packet as each SNMP operation.
 - **--no-get-sysuptime** if you do not want to retrieve the sysuptime in the same packet. This is the default setting.

- **--instance *oids***—Appends instance OIDs to each polling MIB variable. For example, these commands perform the same function:

```
ppm snmpget --instance 172.18.16.10 node_1 ipAdEntIfIndex ipAdEntNetMask
```

```
ppm snmpget node_1 ipAdEntIfIndex.172.18.16.10 ipAdEntNetMask.172.18.16.10
```

- **--int-instance *integer***—Appends the specified integer instance OID to each polling MIB variable.
- **--str-instance *string***—Appends string instance OIDs to each polling MIB variable; for example, these commands perform the same function:

```
ppm snmpget --str-instance link_1 node_1 cItpSpLinksetState
```

```
ppm snmpget node_1 cItpSpLinksetState.6.108.115.110.97.109.101
```

- *hostname*—Name of the host to query.
- *oid*—One or more OIDs or variable names.

The default path for the SNMP parameters file, *communities.conf*, is */opt/CSCOppm-gw/etc/communities.conf*. If you installed Prime Performance Manager in a directory other than */opt*, then the file resides in that directory. You can edit the file manually or using Prime Performance Manager web interface.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm snmphelp

Syntax

/opt/CSCOppm-gw/bin/ppm snmphelp

Command Description

Displays help for all commands that are related to SNMP queries.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm snmpmaxrows

Syntax

/opt/CSCOppm-gw/bin/ppm snmpmaxrows [*number-of-rows*]

Command Description

Sets the value of maximum rows for SNMP walk.

Prime Performance Manager collects network information from device MIBs using SNMP protocol. In certain ITP networks, some MIB tables can be very large (such as GTT tables, MTP3 accounting statistics tables, etc.)

The default value of 100,000 rows is usually sufficient even for large networks. However, for very large networks, if the limit needs to be increased, you can customize the this parameter. It is not recommended to exceed 300,000 rows.

If you enter this command without the *number-of-rows* argument, Prime Performance Manager displays the current maximum number of rows. You can then change that value or leave it. The valid range is 1 row to an unlimited number of rows. However, it is not recommended to set this number at less than 10,000. The default value is 100,000 rows.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm snmpnext

Syntax

```
ppm snmpnext [-JJVM_ARG1 [-JJVM_ARG2]...] [-v snmp_version] [-c community_string] [-r retry]
[-t timeout] [-d output_delimiter] [-u snmpv3_username] [-a authentication_protocol] [-A authentication
password] [-p privacy_protocol] [-P privacy_password] [--header|--no-header]
[--raw-octets|--no-raw-octets] [--str-octets|--no-str-octets] [--raw-timeticks|--no-raw-timeticks]
[--resolve-integer|--no-resolve-integer] [--resolve-bits|--no-resolve-bits]
[--get-sysuptime|--no-get-sysuptime] [--instance oids] [--int-instance integer] [--str-instance string]
[hostname] [oid] [oid]...
```

Command Description

Queries the specified *hostname* by using SNMP **GetNextRequests**. Use these optional keywords and arguments with this command:

- **-JJVM_ARG1**—JVM options. You must specify the **-J** keyword and arguments before any other keywords and arguments.

For example, by default JVM uses a maximum of 64 MB of memory; however, if you explore a large table, JVM might require more memory. To enable JVM to use a maximum of 256 MB of memory, use this option:

-J-Xmx256m

- **-v snmp_version**—SNMP protocol version. Valid versions are **1**, **2c**, or **3**. The default version is **2c**.
- **-c community_string**—SNMP community string. You specify the default community string in the SNMP parameters file, *communities.conf*.
- **-u snmpv3_username**—The SNMP username. The username is required for SNMP v3.
- **-a authentication_protocol**—The authentication protocol.
- **-A authentication_password**—The authentication password.
- **-p privacy_protocol**—The privacy protocol.
- **-P privacy_password**—The privacy password.
- **-r retry**—SNMP retry count. You specify the default retry count in the SNMP parameters file, *communities.conf*.
- **-t timeout**—SNMP timeout, in seconds. You specify the default timeout in the SNMP parameters file, *communities.conf*.
- **-d output_delimiter**—Output delimiter. The default output delimiter is a colon (:).
- **--header|--no-header**—Specifies whether to display variable names as table headers:
 - Specify **--header** to display variable names as table headers for tabular output or MIB variable OIDs with the value for nontabular output. This is the default setting.
 - Specify **--no-header** if you do not want to display variable names as table headers for tabular output or MIB variable OIDs with the value for nontabular output.
- **--raw-octets|--no-raw-octets**—Specifies whether to display octets as raw octets. Use:
 - **--raw-octets** to display raw octets, such as **6c 69 6e 6b**, for octet strings.
 - **--no-raw-octets** if you do not want to display raw octets for octet strings. This is the default setting.

The other option for displaying octets is **--str-octets|--no-str-octets**.

- **--str-octets|--no-str-octets**—Specifies whether to display octets as strings. Use:
 - **--str-octets** to display octets as strings, such as **link**. This is the default setting.
 - **--no-str-octets** if you do not want to display octets as strings.
 The other option for displaying octets is **--raw-octets|--no-raw-octets**.
- **--raw-timeticks|--no-raw-timeticks**—Specifies the time format:
 - Specify **--raw-timeticks** to specify raw timeticks, such as **2313894**.
 - Specify **--no-raw-timeticks** to specify formatted timeticks, such as **6 Hours 26 Mins 12 Secs**. This is the default setting.
- **--resolve-integer|--no-resolve-integer**—Specifies the time format. Use:
 - **--resolve-integer** to display integers using the string description in the MIB, such as **available** or **unavailable**.
 - **--no-resolve-integer** to display integers as numbers. This is the default setting.
- **--resolve-bits|--no-resolve-bits**—Specifies the time format:
 - Specify **--resolve-bits** to display bits using the string description in the MIB, such as **continue** or **ruleset**.
 - Specify **--no-resolve-bits** to display bits as numbers, such as **1** or **14**. This is the default setting.
- **--get-sysuptime|--no-get-sysuptime**—Specifies whether to retrieve the **sysuptime**. Use:
 - **--get-sysuptime** to retrieve the sysuptime in the same packet as each SNMP operation.
 - **--no-get-sysuptime** if you do not want to retrieve the sysuptime in the same packet. This is the default setting.
- **--instance oids**—Appends instance OIDs to each polling MIB variable. For example, these commands perform the same function:

```
ppm snmpget --instance 172.18.16.10 node_1 ipAdEntIfIndex ipAdEntNetMask
```

```
ppm snmpget node_1 ipAdEntIfIndex.172.18.16.10 ipAdEntNetMask.172.18.16.10
```

- **--int-instance integer**—Appends the specified integer instance OID to each polling MIB variable.
- **--str-instance string**—Appends string instance OIDs to each polling MIB variable. For example, these commands perform the same function:

```
ppm snmpget --str-instance link_1 node_1 cItpSpLinksetState
```

```
ppm snmpget node_1 cItpSpLinksetState.6.108.115.110.97.109.101
```

- *hostname*—Name of the host to be queried.
- *oid*—One or more OIDs or variable names.

The default path for the SNMP parameters file, *communities.conf*, is */opt/CSCOppm-gw/etc/communities.conf*. If you installed Prime Performance Manager in a directory other than */opt*, then the file resides in that directory. You can edit the file manually or by using Prime Performance Manager client.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm snmpwalk

Syntax

```
/opt/CSCOppm-gw/bin/ppm snmpwalk [-JJVM_ARG1 [-JJVM_ARG2]...] [-v snmp_version]
[-c community_string] [-r retry] [-t timeout] [-x maximum_rows] [-d output_delimiter] [-u
snmpv3_username] [-a authentication_protocol | -A authentication_password] [-p privacy_protocol | -P
privacy_password] [--tabular|--no-tabular] [--getbulk|--no-getbulk] [--header|--no-header]
[--raw-octets|--no-raw-octets] [--str-octets|--no-str-octets] [--raw-timeticks|--no-raw-timeticks]
[--date-timeticks|--no-date-timeticks] [--date-format date_format]
[--resolve-integer|--no-resolve-integer] [--resolve-bits|--no-resolve-bits]
[--get-sysuptime|--no-get-sysuptime] [--instance oids] [--int-instance integer] [--str-instance string]
[hostname] [oid] [oid]...
```

Command Description

Queries the specified *hostname* by using SNMP **GetNextRequests** to go through the MIB. Use these optional keywords and arguments with this command:

- **-JJVM_ARG1**—JVM options. You must specify the **-J** keyword and arguments before any other keywords and arguments.

For example, by default JVM uses a maximum of 64 MB of memory; however, if you are going through a large table, JVM might require more memory. To enable JVM to use a maximum of 256 MB of memory, use this option:

-J-Xmx256m

- **-v snmp_version**—SNMP protocol version. Valid versions are **1**, **2c**, or **3**. The default version is **2c**.
- **-c community_string**—SNMP community string. You specify the default community string in the SNMP parameters file, *communities.conf*.
- **-u snmpv3_username**—The SNMP username. The username is required for SNMP v3.
- **-a authentication_protocol**—The authentication protocol.
- **-A authentication_password**—The authentication password.
- **-p privacy_protocol**—The privacy protocol.
- **-P privacy_password**—The privacy password.
- **-r retry**—SNMP retry count. You specify the default retry count in the SNMP parameters file, *communities.conf*.
- **-t timeout**—SNMP timeout, in seconds. You specify the default timeout in the SNMP parameters file, *communities.conf*.
- **-x maximum_rows**—Maximum number of rows to go through. If a table has more than the maximum number of rows, ppm **snmpwalk** command fails. You can use the **-m** keyword and argument to increase the maximum number of rows to go through. The default setting is 10,000 rows.

However, for every 10,000 rows gone through, JVM requires an additional 10 MB of memory. You can use the **-J** keyword and argument to increase the memory available to JVM.
- **-d output_delimiter**—Output delimiter. The default output delimiter is a colon (:).
- **--tabular|--no-tabular**—Specifies whether to print the result of the query in tabular format. Use:
 - **--tabular** to print the result in tabular format. This is the default setting.
 - **--no-tabular** if you do not want to print the result in tabular format.

- **--getbulk|--no-getbulk**—(SNMP version 2c only) Specifies whether to use the **getbulk** command to go through the table. Use:
 - **--getbulk** to use the **getbulk** command. This is the default setting.
 - **--no-getbulk** if you do not want to use the **getbulk** command.
- **--header|--no-header**—Specifies whether to display variable names as table headers. Use:
 - **--header** to display variable names as table headers for tabular output or to display MIB variable OIDs with the value for nontabular output. This is the default setting.
 - **--no-header** if you do not want to display variable names as table headers for tabular output or MIB variable OIDs with the value for nontabular output.
- **--raw-octets|--no-raw-octets**—Specifies whether to display octets as raw octets. Use:
 - **--raw-octets** to display raw octets, such as **6c 69 6e 6b**, for octet strings.
 - **--no-raw-octets** if you do not want to display raw octets for octet strings. This is the default setting.

The other option for displaying octets is **--str-octets|--no-str-octets**.

- **--str-octets|--no-str-octets**—Specifies whether to display octets as strings. Use:
 - **--str-octets** to display octets as strings, such as **link**. This is the default setting.
 - **--no-str-octets** if you do not want to display octets as strings.
- **--raw-timeticks|--no-raw-timeticks**—Specifies the time format. Use:
 - **--raw-timeticks** to specify raw timeticks, such as **2313894**.
 - **--no-raw-timeticks** to specify formatted timeticks, such as **6 Hours 26 Mins 12 Secs**. This is the default setting.

- **-date-timeticks|--no-date-timeticks** - Specifies format timetick data in date format. Use:

- **-date-timeticks** to format timetick data in date format, such as 2015-09-16 00:03:45
- **-no-date-timeticks** to use default timeticks format, such as 6 Hours 26 Mins 12 Secs. This is the default setting.

Note: **-raw-timeticks** overrides **-date-timeticks**.

- **-date-format date_format** - Specifies date format to use when **-date-timeticks** is specified. Use:
 - **-date-format "yyyy-MM-dd HH:mm:ss"** to specify format to use. The example in quotes will render "2015-09-16 00:03:45" format which is the default.

Note: Any Java SimpleDateFormat format strings are acceptable for the double quoted format.

- **--resolve-integer|--no-resolve-integer**—Specifies the time format. Use:
 - **--resolve-integer** to display integers using the string description in the MIB, such as **available** or **unavailable**.
 - **--no-resolve-integer** to display integers as numbers. This is the default setting.
- **--resolve-bits|--no-resolve-bits**—Specifies the time format. Use:
 - **--resolve-bits** to display bits using the string description in the MIB, such as **continue** or **ruleset**.
 - **--no-resolve-bits** to display bits as numbers, such as **1** or **14**. This is the default setting.
- **--get-sysuptime|--no-get-sysuptime**—Specifies whether to retrieve the sysuptime. Use:

- **--get-sysuptime** to retrieve the sysuptime in the same packet as each SNMP operation.
- **--no-get-sysuptime** if you do not want to retrieve the **sysuptime** in the same packet. This is the default setting.
- **--detect-mib-error**—Detects errors in returned MIB variables, such as **noSuchInstance**, **noSuchObject**, and **endOfMibView**. If the system detects any such errors, an error message and error code appear.

Sometimes multiple MIB variables are returned at the same time, some of which are in error; others are not. If this occurs and you:

- Specified **--detect-mib-error**, none of the correct values appear, only the error message and an error code is returned.
- Did not specify **--detect-mib-error**, a return code of 0 and all MIB variables appear; even **noSuchInstance** appears as a returned value. This is the default setting, with **--detect-mib-error** not specified.
- **--instance oids**—Appends instance OIDs to each polling MIB variable. For example, these commands perform the same function:

```
ppm snmpget --instance 172.18.16.10 node_1 ipAdEntIfIndex ipAdEntNetMask
```

```
ppm snmpget node_1 ipAdEntIfIndex.172.18.16.10 ipAdEntNetMask.172.18.16.10
```

- **--int-instance integer**—Appends the specified integer instance OID to each polling MIB variable.
- **--str-instance string**—Appends string instance OIDs to each polling MIB variable. For example, these commands perform the same function:

```
ppm snmpget --str-instance link_1 node_1 cItpSpLinksetState
```

```
ppm snmpget node_1 cItpSpLinksetState.6.108.115.110.97.109.101
```

- *hostname*—Name of the host to query.
- *oid*—One or more OIDs or variable names.

The default path for the SNMP parameters file, *communities.conf*, is */opt/CSCOppm-gw/etc/communities.conf*. If you installed Prime Performance Manager in a directory other than */opt*, then the file resides in that directory. You can edit the file manually or using Prime Performance Manager client.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm ssl

Syntax

```
/opt/CSCOppm-gw/bin/ppm ssl [enable | disable | status]
```

Command Description

If you enable the SSL on Prime Performance Manager and you have an SSL key-certificate pair on Prime Performance Manager, you can use this command to manage SSL support in Prime Performance Manager:

- **enable**—Enables SSL support.
- **disable**—Disables SSL support.
- **status**—Displays the current status of SSL support in Prime Performance Manager, including whether you enabled or disabled SSL support, and which SSL keys and certificates exist.

You must log in as the root/super user to use this command.

Available in GUI

no

Related Topic

[Managing Users and User Security, page 6-15](#)

ppm sslstatus

Syntax

/opt/CSCOppm-gw/bin/ppm sslstatus

Command Description

Displays the current status for SSL that Prime Performance Manager supports, including whether you enabled or disabled SSL support; and, which SSL keys and certificates exist.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Managing Users and User Security, page 6-15](#)

ppm sslver

Syntax

/opt/CSCOppm-gw/bin/ppm sslver

Command Description

Displays the version of openssl that is used.

Available in GUI

No

ppm starbuild

Syntax

```
/opt/CSCOppm-gw/bin/ppm starbuild [{schemafilename | default} ppm | no | zero]
```

Command Description

Sets up bulk statistics reporting configurations for Cisco ASR 5000 and Cisco ASR 5500 devices.

- **schemafilename**—The schema file name containing the bulk statistics schema you want to use
- **default**—Generates a configuration for all counters and all schemas supported by Prime Performance Manager. The default file is:

```
/opt/CSCOppm-gw/install/ASR5K_BulkStats_StarOS_Schema_Counters.csv
```
- **ppm**—Creates the configuration file to enable the Cisco ASR 5000 and Cisco ASR 5500 device to generates bulk statistics in the format expected by Prime Performance Manager.
- **no**—Removes the device configuration.
- **zero**—Sets the configuration to zero.

A sample command sequence using the default option is shown below:

```
ppm17-demo> ppm starbuild default
Enter IP Address of PPM Unit To Send Files To: 1.2.3.4
Enter File Directory On PPM Unit To Drop Files To: /opt/csvdrop
Enter Output Filename To Write StarOS Config To: staros-config
StarOS Config File Written To: staros-config
```

You must log in as the root/super user to use this command.

Related Topic

[Setting Up StarOS Bulk Statistics Reports, page 8-21](#)

ppm starexpcollectioninterval starttime

Syntax

```
ppm starexpcollectioninterval starttime [enable|disable|status]
```

Command Description

Enables, disables, or checks the status of the StarOS Direct Conversion Export using Start Time Collection Interval. If enabled, Prime Performance Manager will consider the start time of the collection interval as the reporting interval. The command sets the EXPORT_START_COLLECTION_INTERVAL_ENABLED property in /opt/CSCOppm-unit/properties/BulkStats.properties.

The default value is disabled.

You do not need to restart Prime Performance Manager server. The command is only supported on units.

Available in GUI

No

ppm starcollectioninterval starttime

Syntax

ppm starcollectioninterval starttime [enable|disable|status]

Command Description

Enables, disables or checks the status of the StarOS Bulk Statistics Reporting using Start Time Collection Interval. If enabled, Prime Performance Manager will consider the start time of the collection interval as the reporting interval. The command sets the `START_COLLECTION_INTERVAL_ENABLED` property in `/opt/CSCOppm-unit/properties/BulkStats.properties`.

The default value is disabled.

You do not need to restart Prime Performance Manager server. The command is only supported on units.

Available in GUI

No

ppm stardiffs

Syntax

/opt/CSCOppm-gw/bin/ppm stardiffs [ipaddress]

Command Description

Finds differences between the StarOS install CSV and the polled CSV. Polls StarOS version if IP is provided.

Available in GUI

No

ppm stargenall

Syntax

/opt/CSCOppm-gw/bin/ppm stargenall

Command Description

Polls, diffs, and generates the StarOS schema file and regenerates all counter pollers with new counter information.

Available in GUI

No

ppm stargenschema

Syntax

/opt/CSCOppm-gw/bin/ppm stargenschema <ipaddress/hostname> [all]

Command Description

This command updates `bulkstatsschema.csv` schema with new bulkstats variable information in a StarOS release. It runs the command, `show bulkstats variables`, on the device entered as the argument, compares the device output with bulkstats variables information in `/opt/CSCOppm-gw/install/ASR5K_BulkStats_StarOS_Schema_Counters.csv`, and identifies the differences, for example, new schemas, new bulkstats variables, and other changes. The differences are updated in the `/opt/CSCOppm-gw/install/ASR5K_BulkStats_StarOS_Schema_Counters.csv`, and a `bulkstatsschema.csv` file is generated with the new bulkstats variables.

- **ipaddress/hostname**—The IP address or hostname of the Cisco ASR 5000, Cisco ASR 5500, or Cisco Quantum Virtualized Packet Core (QvPC) device in Prime Performance Manager. The StarOS release must be loaded on the device. Also, the device must have an Active status and valid Telnet/SSH credentials so show commands can run on it.
- **[all]**—(optional) Identifies the data type gauge/counter, obsolete counter, and removed bulkstats variable differences found in the StarOS release and updates the `/opt/CSCOppm-gw/install/ASR5K_BulkStats_StarOS_Schema_Counters.csv`. Use this option only if required because the option could change the way the Prime Performance Manager reads the StarOS bulkstats files.

As an intermediate step the command generates the Prime Performance Manager StarOS config file with the new bulkstats variables, which you can use to configure the new schemas or bulkstats variables on the device.

After the command finishes, you can copy the generated `bulkstatsschema.csv` schema file to `/opt/CSCOppm-gw/etc/`. This updates the Prime Performance Manager in-memory schema counters list with the new counter information from `/opt/CSCOppm-gw/etc/bulkstatsschema.csv`. Make a copy of the file before loading a new version.



Note

This command has potential risks for StarOS report processing. Verify the device you provide has a valid StarOS release image as the contents of `bulkstatsschema.csv`. If not, the `/opt/CSCOppm-gw/install/ASR5K_BulkStats_StarOS_Schema_Counters.csv` could receive invalid information and jeopardize its ability to parse StarOS bulkstats files correctly.

The command supported only on the gateway.

Available in GUI

No

ppm start

Syntax

```
/opt/CSCOppm-gw/bin/ppm start
```

Command Description

Starts the Prime Performance Manager gateway and unit (if installed on the same machine).

You must log in as the root/super user to use this command.

Available in GUI

No

**Note**

If the database has an exception during start up, the gateway and unit (if installed) will not start.

Related Topic

[Managing Gateways and Units Using the CLI, page 2-1](#)

ppm starexp

Syntax

`/opt/CSCOppm-unit/bin/ppm starexp [enable | disable | status]`

Command Description

Enables, disables or checks the status of the StarOS Direct Conversion Export on the unit server. If enabled, the StarOS input Bulk Statistics CSV files are converted to 3GPP XML files or CSV files with deltas calculations. The command changes the EXPORT_ENABLED property in `/opt/CSCOppm-unit/properties/BulkStats.properties`. The default value is disabled.

You do not need to restart Prime Performance Manager server. The command is only supported on units.

Available in GUI

No

ppm starexpdropdir

Syntax

`/opt/CSCOppm-unit/bin/ppm starexpdropdir [dir]`

Command Description

Sets the StarOS export drop directory for collecting the converted bulk statistics files and updates the EXPORT_DROP_DIR property in `/opt/CSCOppm-unit/properties/BulkStats.properties`. You do not need to restart Prime Performance Manager server. The command is only supported on units.

Available in GUI

No

Related Topics

- [Converting StarOS Bulk Statistics CSV Input Files to 3GPP XML Exports, page 8-31](#)

ppm starexprules

Syntax

`/opt/CSCOppm-unit/bin/ppm starexprules {3gppxml|3gppxmldeltas|csvdeltas}`

Command Description

Sets the StarOS direct conversion export rules for converting the input CSV Bulk Statistics files. Valid options are 3GPP XML files with or without delta calculations or CSV files with Delta calculations. It updates the EXPORT_RULE property in /opt/CSCOppm-unit/properties/BulkStats.properties. Default option is 3GPP XML with delta calculations. You do not need to restart Prime Performance Manager server. The command is only supported on units.

Available in GUI

No

Related Topics

- [Converting StarOS Bulk Statistics CSV Input Files to 3GPP XML Exports, page 8-31](#)

ppm starexpxmlformat

Syntax

```
/opt/CSCOppm-unit/bin/ppm starexpxmlformat {allinoneloneperfile}
```

Command Description

Sets the StarOS direct conversion export formats for converting the input CSV Bulk Statistics files. This option is specific for 3GPP XML rule and controls if all StarOS Bulk Statistics schema is saved in the same XML file or if a new XML file is created for each schema. It updates the EXPORT_3GPP_XML_FORMAT property in /opt/CSCOppm-unit/properties/BulkStats.properties. Default option is All Schemas in one XML file. You do not need to restart Prime Performance Manager server. The command is only supported on units.

Available in GUI

No

Related Topics

- [Converting StarOS Bulk Statistics CSV Input Files to 3GPP XML Exports, page 8-31](#)

ppm statreps bulkstatsexpage

Syntax

```
/opt/CSCOppm-gw/bin/ppm statreps bulkstatsexpage [days]
```

Command Description

Specifies the number of days StarOS direct conversion export files are retained in Prime Performance Manager server. The default is 14 days. You do not need to restart Prime Performance Manager server. This command is supported only on the gateway.

Available in GUI

Yes

Related Topics

- [Converting StarOS Bulk Statistics CSV Input Files to 3GPP XML Exports, page 8-31](#)

ppm statreps

Full Syntax

```
/opt/CSCOppm-gw/bin/ppm statreps [none] [default] [all] [enable | disable] [noexport | export]
[nogenerate | generate] status, [status [node]] status config, status reps, config, reps,
[setstatus[category | all] [enable | disable] [interval], [setstatus [categoryy | all] [enable | disable]
[node | interval]], [5min [enable|disable|enableall]], [15min [enable|disable|enableall]], [hourly
[enable|disable|enableall]], [hourly [enable|disable|enableall]], [daily [enable |disable|enableall]],
[weekly [enable |disable|enableall]], [monthly [enable |disable|enableall]], [5mincsvage [days]],
[15mincsvage [days]], [hourlycsvage [days]], [dailycsvage [days]], [weeklycsvage [days]],
[monthlycsvage [days]][5minage [days]], [15minage [days]], [hourlyage [days]], [dailyage [days]],
weeklyage [days]], monthlyage [days],[ nodiskcheck | diskcheck], [timemode [12 | 24]], [csvnames [
ppm | 3gpp ]], [csvdevtypes [ enable | disable]], [expformat [ xml]], [nametype[dnsname] [customname
| sysname]], [csvtype [ allnodes | pernodeuniq]], [zipcsvdelay [mins]] [zipcsvfiles [internal | script]]
[zipcsvnotifscript [path | disable]] [show | hide [xmlfilename]]
```

This command defines the master report settings. Optionally, you can specify a hostname or IP address to enable or disable the specified report for a specific device. For example the following command enables CPU reports for the device with the IP address specified in *ip address*.

```
ppm statreps cpu <ip address>
```

If you specify a command in which the hostname or IP address is not applicable, the host parameter is ignored and does not cause an error.

Command Description

[enable | disable]—Enable or disable the master report.

[all]—Enable all report types.

[default]—Enable all default report types.

[none]—Disable all report types.

[noexport | export]—Enable or disable all csv files.

[nogenerate | generate]—Generate database reports

status—Display network report settings.

status [node]—Display node report settings.

status config—Display master report configuration settings.

status reps—Display individual report enable status.

config—Display master report configuration settings.

reps—Display individual report enable status.

setstatus [[category | all] [enable | disable] [interval]]—Enable or disable network report settings, where interval = 1min, 5min, 15min, hourly, daily, weekly, monthly, db, csv.

setstatus [[category | all] [enable | disable] [node | interval]]—Enable or disable device report settings, where interval = 1min, 5min, 15min, hourly, daily, weekly, monthly, db, csv.

1min [enable | disable | enableall]—Enable, disable, or enable all 1 minute master report.

5min [enable | disable | enableall]—Enable, disable, or enable all 5 minute master report.

15min [enable | disable] | enableall—Enable, disable, or enable all 15 minute master report.

hourly [enable | disable | enableall]—Enable, disable, or enable all hourly master report.

daily [*enable* | *disable*] | *enableall*—Enable, disable, or enable all daily master report.

weekly [*enable* | *disable*] | *enableall*—Enable, disable, or enable all weekly master report.

monthly [*enable* | *disable*] | *enableall*—Enable, disable, or enable all monthly master report.

5mincsvage [*days*]—Specifies the days to keep 5 min csv files.

15mincsvage [*days*]—Specifies the days to keep 15 min csv files.

hourlycsvage [*days*]—Specifies the days to keep hourly csv files.

dailycsvage [*days*]—Specifies the days to keep daily csv files.

weeklycsvage [*days*]—Specifies the days to keep weekly csv files.

monthlycsvage [*days*]—Specifies the days to keep monthly csv files.

ppm statreps bulkstatsage [*days*]—Specifies the days to keep bulk statistics import files.

5minage [*days*]—Specifies the days to keep 5min data.

15minage [*days*]—Specifies the days to keep 15min data.

hourlyage [*days*]—Specifies the days to keep hourly data.

dailyage [*days*]—Specifies the days to keep daily data.

weeklyage [*days*]—Specifies the days to keep weekly data.

monthlyage [*days*]—Specifies the days to keep monthly data.

ppm statreps [*nodiskcheck* | *diskcheck*]—Enables or disables disk space monitoring.

timemode [*12* | *24*]—Display in 12 or 24 hour time.

csvnames [*ppm* | *3gpp*]—Specifies the format for csv file names, either ppm (CSV) or 3rd Generation Partnership Program (3GPP).

csvdevtypes [*enable* | *disable*]—If enabled, the device type is included as the third column in all CSV exported files.

expformat [*xml*]—Specifies the export format as XML.

nametype [*dnsname* | *customname* | *sysname*]—Specifies the device name type for csv files.

csvtype [*allnodes* | *pernodeuniq*]—Specifies the combined or pernode csv Files.

zipcsvdelay [*mins*]—Specifies the minutes to wait before zipping csv files.

zipcsvfiles [*internal* | *script*]—Zips CSV files using the Prime Performance Manager internal process or a script.

zipcsvnotifscript [*path* | *disable*]—Allows you to call another script after the CSV file is zipped, for example, for auditing.

show | hide [*xml file name*]—Enables the RMS 4G AP All Counters (rms4GApAllCounters.xml) or RMS All Counters report (rmsApPerfAllCounters.xml) small cell reports. The reports store over 450 columns for 3G and over 1500 columns for 4G in one table. They are purposefully disabled because their size and system resource requirements make display in the Prime Performance Manager GUI impractical. However, these commands, which are intended for lab and testing environments, allow you to enable the reports so you can export the data from these reports to CSV files.

Available in GUI

- nodiskcheck, diskcheck, and timemode options: Yes
- All other options: No

Related Topic

[Customizing General Report Settings, page 7-25](#)

ppm status

Syntax

`/opt/CSCOppm-gw/bin/ppm status`

Command Description

Displays the status of all Prime Performance Manager servers on the local host.

Available in GUI

Yes

Related Topic

[Chapter 3, “Managing the Web Interface”](#)

ppm smtpport

Syntax

`/opt/CSCOppm-gw/bin/ppm smtpport [port #]`

Command Description

Changes the STMP mail server port for sending alarm e-mails. The default is 25.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topic

[Configuring Alarms Send to E-mail Addresses, page 10-17](#)

ppm superuser

Syntax

`/opt/CSCOppm-gw/bin/ppm superuser [username]`

Command Description

Displays all the commands that superuser can perform on the gateway and units files. The command also changes the Linux user account used to perform Superuser functions which by default are required to perform the root user account. This user account must exist in the local `/etc/passwd` file. It is not possible to assign these functions to a user defined in a remote authentication service such as NIS. After the

Superuser functions are assigned to another user account this user account can perform all functions such as starting and stopping the server, viewing and changing server configurations, and managing security features. The unit is stopped to perform this operation.

You must log in as the root user to execute this command.

Available in GUI

No

ppm syncunits

Syntax

/opt/CSCOppm-gw/bin/ppm syncunits [enable | disable | status | now | force]

Command Description

Manages the synchronizations of configuration files between the gateway and units. The gateway is the master of configuration files. A change to the gateway report poller or other configuration file is replicated to the units by default.

Command options:

- **enable**—Enables file synchronization. It is enabled by default.
- **disable**—Disables file synchronization.
- **status**—Displays current status of file synchronization.
- **now**—Starts synchronization of changed or deleted files.
- **force**—Starts synchrononization of all files.



Note

Running the ppm syncunits force option can affect system performance. Use this option only for troubleshooting known problems.

Available in GUI

No

ppm traprelay

Syntax

/opt/CSCOppm-gw/bin/ppm traprelay 1

Command Description

Enables or disables trap relays directly to hosts bypassing the Prime Performance Manager alarm processing. Before you enable the trap relay, you must add the host information to TrapForwarder.properties. See [Forwarding Traps Directly to Hosts, page 10-18](#).

Available in GUI

No

ppm tac

Syntax

`/opt/CSCOppm-gw/bin/ppm tac [short]`

Command Description

Collects important troubleshooting information for the Cisco Technical Assistance Center and writes the information to the `/opt/CSCOppm-gw/tmp/cisco_ppm_tshoot.log` file.

short—Collects the basic information required for diagnosis of the problem.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm thresholdtool

Syntax

`/opt/CSCOppm-gw/bin/ppm thresholdtool {-a actionName} {parameters}`

Command Description

Invokes Prime Performance Manager threshold API operations. The action names (and any corresponding required parameters) can be specified with the `-a` option described in [Table B-2](#).

Table B-2 *ppm thresholdtool Operations*

Option	Action Name	Available Parameters
-a	addThreshold	-n <userThresholdName> -r <reportKey> -c <columnName> [-s <scope>] [-i <interval>] [-b <baselineEnabled>] [-d <day>] [-e <enabled>] [-g <msgText>] [-h <help>] [-f <mailFrom>] [-m <mailTo>] [-j <mailSubject>] [-p <port number>] [-t <time>] [-B <baselineParameters>] [-C <critical>] [-M <major>] [-N <minor>] [-W <warning>] [-I <informational>] [-A <alarmNature>] [-D <description>] [-E <continuousAlarmEnabled>] [-H <hostname>] [-L <alarmScript>] [-P <probableCause>] [-R <rising>] [-S <y n>] [-T <alarmType>] [-x <tenant_list>]
	addThresholdInfoList	-u <thresholdFileName> [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]

Table B-2 *ppm thresholdtool Operations (continued)*

Option	Action Name	Available Parameters
	editThreshold	-n <userThresholdName> -s <scope> -i <interval> [-b <baselineEnabled>] [-d <day>] [-e <enabled>] [-g <msgText>] [-h <help>] [-f <mailFrom>] [-m <mailTo>] [-j <mailSubject>] [-p <port number>] [-t <time>] [-B <baselineParameters>] [-C <critical>] [-M <major>] [-N <minor>] [-W <warning>] [-U <updatedScope>] [-I <informational>] [-A <alarmNature>] [-D <description>] [-E <continuousAlarmEnabled>] [-H <hostname>] [-L <alarmScript>] [-P <probableCause>] [-R <rising>] [-S <y n>] [-T <alarmType>] [-x <tenant_list>]
	editThresholdInfoList	-u <thresholdFileName> [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]
	enableThreshold	-n <userThresholdName> -i <interval> -s <scope> [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]
	disableThreshold	-n <userThresholdName> -i <interval> -s <scope> [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]
	rearmThreshold	-n <userThresholdName> -i <interval> -s <scope> [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]

Table B-2 *ppm thresholdtool Operations (continued)*

Option	Action Name	Available Parameters
	deleteThreshold	-n <userThresholdNme> -i <interval> -s <scope> [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]
	getThresholdInfo	-n <userThresholdName> -i <interval> -s <scope> [-o <outputType>] [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]
	getAllThresholdInfo	[-o <outputType>] [-H <hostname>] [-p <port number>] [-S <y n>] [-h <help>]
	getFilteredThresholdInfo	[-b <baselineEnabled>] [-n <userThresholdName>] [-r <reportKey>] [-c <columnName>] [-s <scope>] [-i <interval>] [-e <enabled>] [-g <msgText>] [-h <help>] [-f <mailFrom>] [-m <mailTo>] [-j <mailSubject>] [-p <port number>] [-A <alarmNature>] [-B <baselineParameters>] [-D <description>] [-E <continuousAlarmEnabled>] [-H <hostname>] [-L <alarmScript>] [-P <probableCause>] [-R <rising>] [-S <y n>] [-T <alarmType>] [-o <outputType>]

Table B-3 lists the parameters that can be used.

Table B-3 *ppm thresholdtool Parameters*

Parameter	Description
-a	The action to perform.
-b	Enables or disables the baseline. The default is false. See Creating Baseline Thresholds, page 11-10 .
-c	The KPI name.

Table B-3 *ppm thresholdtool Parameters (continued)*

Parameter	Description
-d	The threshold applicable days, indicated with true or false separated by “,” Monday through Sunday. The default is true, true, true, true, true, true, true, true, which means the threshold applies to all days of the week.
-e	Enables or disables the threshold. The default is true, enabled.
-f	The from email address. To set to null, enter "".
-g	The message to send. To set to null, enter "".
-h	Prints help information.
-i	The threshold interval. The default is 15MIN.
-j	The email subject. To set to null, enter "".
-m	The email address to receive the message. To set to null, enter "".
-n	The threshold name.
-o	The output type: xml or json. (Blank is legacy, xml.)
-p	Specifies a port to connect to. If unspecified, the default value is obtained from the WEB_PORT property in the gateway server System.properties file.
-r	The KPI report.
-s	The threshold scope. The default is default, that is, all applicable devices.
-t	The threshold begin and end time, separated by “,”. The format is hh:mm,aa,hh:mm,The default is 12:00,AM,12:00,AM which means the threshold applies to the entire day.
-x	Specifies the tenant list, which is a list of tenant names separated by commas with no spaces. Examples: <ul style="list-style-type: none"> • ALL • ALL_TENANTS • MyCustomer1,MyCustomer2
-A	The threshold alarm nature. Default is “ADAC”.
-B	Sets the baseline method and window size. Format, Operation,WindowSize. Examples: <ul style="list-style-type: none"> • average,10 • exponential\ average,12 • exponential\ average,12
-C	The critical alarm threshold values separated by “,”. Format: Onset,Onset Occurrences, Abate,Abate Occurrences, [Policy Override]. Example: 95,1, 90, 1.
-D	The threshold description.
-E	Indicates if the continuous alarm is enabled. Default is “false” (disabled).
-H	Specifies a hostname to connect to. If unspecified, the default value is obtained from the SERVER_NAME property in the gateway server System.properties file.
-I	The informational alarm threshold values separated by “,”. Format: Onset, Onset Occurrences, Abate,Abate Occurrences, [Policy Override]. Example: 55,1, 50, 1.
-L	The threshold alarm script.

Table B-3 *ppm thresholdtool Parameters (continued)*

Parameter	Description
-M	The major alarm threshold values separated by “,”. Format: Onset,Onset Occurrences, Abate,Abate Occurrences, [Policy Override]. Example: 85,1, 80, 1.
-N	The minor alarm threshold values separated by “,”. Format: Onset,Onset Occurrences, Abate,Abate Occurrences, [Policy Override]. Example: 5,1, 70, 1.
-P	The threshold probable cause. The default is ThresholdCrossed.
-R	The threshold type: “true” for rising and “false” for falling. Default is “true”.
-S	Specifies whether to use SSL (https) for NBAPI access. The default is no SSL.
-T	The threshold alarm type. The default is Communications.
-W	The warning alarm threshold values separated by “,”. Format: Onset,Onset Occurrences, Abate,Abate Occurrences, [Policy Override]. Example: 65,1, 60, 1.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppmtoerrcount

Syntax

`/opt/CSCOppm-gw/bin/ppm toerrcount [number]`

Command Description

Sets the number of timeouts allowed in a report sequence. This command and the ppm nontoerrcount command control the number of polling errors to get from a device in a polling sequence before giving up on that entire polling sequence. The default is 0.

Available in GUI

No

Related Topic

- [ppm nontoerrcount, page B-65](#)

ppm tomcatver

Syntax

`/opt/CSCOppm-gw/bin/ppm tomcatver`

Command Description

Displays the version of Tomcat that is used.

Available in GUI

No

ppm topxxsize

Syntax

`/opt/CSCOppm-gw/bin/ppm topxxsize [number]`

Command Description

Sets the number of entries displayed in the Top *nn* reports. By default, Prime Performance Manager displays the top 10 entries. This command can be used to change the default.

Available in GUI

Yes

ppm topxxsizenetflow

Syntax

`/opt/CSCOppm-gw/bin/ppm topxxsizenetflow [number]`

Command Description

Sets the number of entries displayed in the Top *nn* NetFlow reports. By default, Prime Performance Manager displays the top 10 entries. This command can be used to change the default.



Note

Before the Top XX feature can be implemented, you must modify the NetFlow report. See [Setting Up NetFlow Reports, page 8-17](#).

Available in GUI

Yes

ppm traceroute

Syntax

`/opt/CSCOppm-gw/bin/ppm traceroute [hostname]`

Command Description

You use this command to run the trace the route from a gateway to a device.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm tune

Syntax

```
/opt/CSCOppm-gw/bin/ppm tune [small | med | large | verylarge | verylargedist | extreme |
extreme5min | max | medepc | epcsingle | epcdist | smallcell | netflow | collectd | esxi | dcm | kvm |
ceph | largegeo]
```

Command Description

You use this command to tune Prime Performance Manager for different size networks and technologies. Most command options are described in the “Installation Requirements” in the [Cisco Prime Performance Manager 1.7 Quick Start Guide](#).

Command options:

- small—Proof of concept single-server installation.
- med—Medium network single-server installation.
- large—Large network single-server installation.
- verylarge—Very large network single-server installation.
- verylargedist—Very large network distributed server installation.
- extreme—Extremely large network distributed server installation.
- extreme5min—Extremely large network distributed server installation with 5-minute reports enabled.
- max—Maximum supported network distributed server installation.
- medepc—Mediune Evolved Packet Core (StarOS) installation.
- epcsingle—Single-server Evolved Packet Core installation.
- epcdists—Distributed server Evolved Packet Core installation.
- smallcell—Small cell support.
- netflow—NetFlow support.
- collectd—collectd support
- esxi—ESXi hypervisor support.
- dcm—Data Collection Manager support.
- kvm—KVM hypervisor support.
- ceph—Ceph support.
- largegeo—Large geographical HA support.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm uadisable

Syntax

/opt/CSCOppm-gw/bin/ppm disable

Command Description

Disables user access and SSL on a collocated server.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm uaenable

Syntax

/opt/CSCOppm-gw/bin/ppm uaenable

Command Description

Enables user access and SSL on a collocated server (gateway and unit installed on the same server). The command performs all the SSL functions including key generation and swapping between gateway and unit, and prompting for creation of the first admin user.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm uninstall

Syntax

/opt/CSCOppm-gw/bin/ppm uninstall

Command Description

Uninstalls Prime Performance Manager.

You must log in as the root user to use this command.

Available in GUI

No

ppm unknownage

Syntax

`/opt/CSCOppm-gw/bin/ppm unknownage [number-of-days]`

Command Description

Sets the maximum number of days to retain **Unknown** objects before deleting them from Prime Performance Manager database.

If you enter this command without the *number-of-days* argument, Prime Performance Manager displays the current maximum number of days. You can then change that value or leave it. The valid range is one day to an unlimited number of days. The default value is seven days. Setting this value to 0 days means that, after one hour, the system deletes **Unknown**.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm updateuser

Syntax

`/opt/CSCOppm-gw/bin/ppm updateuser [username]`

Command Description

If you enable Prime Performance Manager User-Based Access, changes the authentication level for the specified user. Valid levels are:

- **1**—Basic User
- **3**—Network Operator
- **5**—System Administrator
- **11 & 12** — Custom Level

If you set **ppm authtype** to **local**, you also use this command to change the user's password. When setting the password, follow the rules and considerations in [Modifying the Password Policy, page 6-9](#).

See [Enabling User Accounts and Passwords Using the CLI, page 6-24](#) for more information on authentication levels and the use of this command.

You must log in as the root/super user to use this command.

Available in GUI

Yes

ppm upgradelog

Syntax

/opt/CSCOppm-gw/bin/ppm upgradelog

Command Description

Displays the latest upgrade log.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm useraccess

Syntax

/opt/CSCOppm-gw/bin/ppm useraccess [disable | enable]

Command Description

Enables or disables Prime Performance Manager User-Based Access. User-Based Access provides multilevel password-protected access to Prime Performance Manager features. Each user can have a unique username and password. You can also assign each user to one of five levels of access, which control the list of Prime Performance Manager features accessible by that user.



Note

You must enable Prime Performance Manager User-Based Access to use the associated Prime Performance Manager security commands (see [Setting Up User Access and Security, page 6-1](#)).

The **ppm useraccess** command goes through the following commands:

- **ppm useraccess**—Enabled or disabled.
- **ppm authtype**—If you have not set Prime Performance Manager authentication type, you must do so now.
- **ppm adduser**—If you have created users, Prime Performance Manager asks if you want to use the same user database, or create a new one. If you have not assigned users, you must do so now.

You must log in as the root/super user to use this command.

Available in GUI

No

Related Topic

[Setting Up User Access and Security, page 6-1](#)

ppm userpass

Syntax

/opt/CSCOppm-gw/bin/ppm userpass *[username]*

Command Description

If you enable Prime Performance Manager User-Based Access and **/opt/CSCOppm-gw/bin/ppm authtype** is set to **local**, changes the specified user's Prime Performance Manager security authentication password.

If Prime Performance Manager automatically disables the user's authentication, this command re-enables the user's authentication with a new password.

If **/opt/CSCOppm-gw/bin/ppm authtype** is set to **Solaris or Linux**, you cannot use this command; instead, you must manage passwords on the external authentication servers.

You must log in as the root/super user to use this command.

Available in GUI

Yes

Related Topic

[Enabling User Accounts and Passwords Using the CLI, page 6-24](#)

ppm version

Syntax

/opt/CSCOppm-gw/bin/ppm version

Command Description

Displays version information for Prime Performance Manager servers and clients on the local host.

Available in GUI

Yes

ppm webport

Syntax

/opt/CSCOppm-gw/bin/ppm webport

Command Description

Displays port number and allows to change the JSP/Web Server port number.

You must log in as the root/super user to use this command.

Available in GUI

No

ppm who

Syntax

/opt/CSCOppm-gw/bin/ppm who

Command Description

Displays a list of all client usernames and processes connected to the server.

Available in GUI

Yes

ppm xmlpoll

Syntax

/opt/CSCOppm-gw/bin/ppm xmlpoll -i [ipaddress/hostname] -p [package] -a [Action] -d [parameters]

Command Description

Runs the XML poller to get the device XML output.

- **-i** *ipaddress/hostname*—The IP address or hostname of the device (required)
- **-p**—Package
- **-a**—Action
- **-d**—Parameters

Available in GUI

No

ppm zipoldbackups

Syntax

/opt/CSCOppm-gw/bin/ppm zipoldbackups [disable | enable | status] [gw | unit | both]

Command Description

If enabled, zips Prime Performance Manager backups older than the number of days specified by ppm backupdays. If disabled, backups older than the number of specified backup days are deleted.

- **enabled**—(default) Backups older than the specified backup days are automatically zipped.
- **disabled**—Backups older than the specified backup days are deleted.
- **status**—Displays the ppm zippmbackups status.
- **gw**—Backs up the gateway.
- **unit**—Backs up the unit.
- **both**—Backs up the gateway and unit.

Available in GUI

Yes

Related Topic

- [ppm backupdays](#), page B-14

