



IPM Command Reference

This appendix provides a list of the IPM commands. Table B-1 shows the format of the commands and a description of the actions that they perform.

Table B-1 IPM Commands

Command	Description
ipm help	Displays the command syntax for the ipm command and all of its options. For a sample output for this command, see the “Output of ipm status Command” section on page B-5.
ipm	Starts all IPM servers and one IPM client on the local host.
ipm start [server]	Starts all IPM servers on the local host.
ipm stop [server]	Stops all IPM servers on the local host.
ipm restart	Restarts all IPM servers on the local host.
ipm status	Displays the status of all IPM servers on the local host. For a sample output for this command, see the “Output of ipm help Command” section on page B-6,
ipm version	Displays version information for all IPM servers on the local host.
ipm start client [hostname]	Starts an IPM client on the specified host. If no host name is specified, then an IPM client is started on the local host.
ipm start db	Starts the IPM database server on the local host.

Table B-1 IPM Commands (continued)

Command	Description
ipm stop db	Stops the IPM database server on the local host.
ipm start web	Starts the IPM web server on the local host.
ipm stop web	Stops the IPM web server on the local host.
ipm start name	Starts the IPM naming server on the local host.
ipm stop name	Stops the IPM naming server on the local host.
ipm start pm	Starts the IPM process manager on the local host.
ipm stop pm	Stops the IPM process manager on the local host.
ipm debug [<i>hostname</i>]	Starts the message log display and displays the Message Log window which provides a log of status messages generated by IPM. Connects to IPM servers on the local host or on the host specified.
ipm pmstatus [<i>hostname</i>]	Displays the Process Manager Information window and connects to the IPM servers on local host or < <i>hostname</i> >. The Process Manager Information window displays status information about the IPM processes and provides options for starting or stopping a process or for viewing more detailed information about a process.
ipm dbbackup	Backs up the IPM database.
ipm dbrestore	Restores the IPM database from a previous backup.
ipm forcestop	Forcefully stops all IPM servers running on the local host.
ipm stopclients	Stops all IPM clients running on the local host.
ipm readme	Displays the contents of the README file for IPM.
ipm iosinfo	Displays the contents of the IPM-IOs-Info file.
ipm ipm.conf	Displays the contents of the ipm.conf file.
ipm services.conf	Displays the contents of the services.conf file.
ipm console	Displays the contents of the ipmConsoleLog.log file.
ipm viewlog	Displays the ipmLoggerLog.x file with PAGER.
ipm logger	Displays the ipmLoggerLog.x file with tail -f.

Table B-1 IPM Commands (continued)

Command	Description
ipm browserpath	Resets the path to the system web browser.
ipm export	Starts the ipm export utility. For more information on this command, use the ipm export help command. For a sample output of the ipm export help command, see the “Output of ipm export help Command” section on page B-8.
ipm mirror [<i>source</i> <i>target</i> <i>collector</i>]	Exports IPM device data in seed file format.
ipm mirror all	Exports in IPM device data for sources, targets, and collectors in seed file format and creates a tar file of all components in a file named <i>/tmp/ipm.mirror.host_name.tar</i> .
ipm listsrc	Displays a directory listing of the source seed files on the local host.
ipm listtarg	Displays a directory listing of the target seed files on the local host.
ipm listcoll	Displays a directory listing of the collector seed files on the local host.
ipm viewsrc <i>filename</i>	Displays the contents of the specified source seed file.
ipm viewtarg <i>filename</i>	Displays the contents of the specified target seed file.
ipm viewcoll <i>filename</i>	Displays the contents of the specified collector seed file.
ipm editsrc <i>filename</i>	Allows you to edit the contents of the specified source seed file.
ipm edittarg <i>filename</i>	Allows you to edit the contents of the specified target seed file.
ipm editcoll <i>filename</i>	Allows you to edit the contents of the specified collector seed file.
ipm loadsrc <i>filename</i>	Loads the specified source seed file into the IPM database.

Table B-1 IPM Commands (continued)

Command	Description
ipm loadtarg <i>filename</i>	Loads the specified target seed file into the IPM database.
ipm loadcoll <i>filename</i>	Loads the specified collector seed file into the IPM database.
ipm addsrc	Adds a source router to the IPM database using command line prompts.
ipm addtarg	Adds a target device to the IPM database using command line prompts.
ipm delsrc	Removes a source router from the IPM database using command line prompts.
ipm deltarg	Removes a target device from the IPM database using command line prompts.
ipm seed [<i>hostname</i> [<i>filename type</i>]]	Connects to IPM servers on the local host and starts a seed file configuration process where <i>hostname</i> is a specific host, <i>filename</i> is the seed file, and <i>type</i> is the type of seed file (1 for source, 2 for target, or 3 for collector).
ipm tshoot	Displays information useful for troubleshooting problems with assistance from the Cisco Technical Assistance Center.
ipm regen	Regenerates all web reports.

Output of ipm status Command

The following example shows the status information displayed when you use the **ipm status** command:

```
IPM Database Server Already Running.
```

```
IPM Web Server Already Running.
```

```
IPM Process Manager Already Running.
```

```
Process Manager running with processes:
```

```
ConfigServer      Ready
```

```
SNMPServer        Ready
```

```
MessageLogServer  Ready
```

```
DataRetriever     Ready
```

```
DisplayServer     Ready
```

```
IPM Naming Server Already Running.
```

Output of ipm help Command

The following example shows the command syntax and help that is displayed when you use the **ipm help** command:

```
# ipm help
ipm          - Starts all IPM Servers and one Client on the local host.

ipm start    - Starts all IPM Servers on the local host.
ipm stop     - Stops all IPM Servers on the local host.
ipm restart  - Restarts all IPM Servers on the local host.

ipm status   - Displays status of all IPM Servers on the local host.
ipm version  - Displays version of all IPM Servers on the local host.

ipm start client [<hostname>] - Starts an IPM Client.
                               Connects to IPM servers on default host or <hostname>

ipm start db  - Starts IPM Database Server on the local host.
ipm stop db   - Stops IPM Database Server on the local host.

ipm start web - Starts IPM Web Server on the local host.
ipm stop web  - Stops IPM Web Server on the local host.

ipm start name - Starts IPM Naming Server on the local host.
ipm stop name  - Stops IPM Naming Server on the local host.

ipm start pm  - Starts IPM Process Manager on the local host.
ipm stop pm   - Stops IPM Process Manager on the local host.

ipm debug     [<hostname>] - Starts a Message Log Display Client.
                               Connects to IPM servers on local host or <hostname>

ipm pmstatus [<hostname>] - Starts a Process Manager Display Client.
                               Connects to IPM servers on local host or <hostname>

ipm dbbackup  - Backs up IPM Database from previous backup.
ipm dbrestore - Restores IPM Database from previous backup.

ipm forcetop - Forcefully stops all IPM Servers on the local host.
ipm stopclients - Stops all running IPM clients on the local host.

ipm readme    - Display the README file.
ipm iosinfo   - Display the IPM-IOS-Info file.
ipm ipm.conf  - Display the ipm.conf file.
ipm services.conf - Display the services.conf file.
```

```
ipm console          - Display the ipmConsoleLog.log file.
ipm viewlog          - Display the ipmLoggerLog.x   file with PAGER
ipm logger           - Display the ipmLoggerLog.x   file with tail -f.

ipm browserpath     - Reset the path to the system Web Browser.
ipm servername      - Reset the default server to connect to.

ipm export           - Call the ipm export utility.
                    ipm export help for more info.

ipm mirror [source|target|collector] - Export in IPM seed file format.

ipm mirror all      - Export in IPM seed file format and create a tar file.
                    of all components in /tmp/ipm.mirror.cwb-docs.tar

ipm listsrc         - Display a directory listing of the source   seed files.
ipm listtarg        - Display a directory listing of the target   seed files.
ipm listcoll        - Display a directory listing of the collector seed files.

ipm viewsrc <filename> - View the source   file specified by <filename>
ipm viewtarg <filename> - View the target   file specified by <filename>
ipm viewcoll <filename> - View the collector file specified by <filename>

ipm editsrc <filename> - Edit the source   file specified by <filename>
ipm edittarg <filename> - Edit the target   file specified by <filename>
ipm editcoll <filename> - Edit the collector file specified by <filename>

ipm loadsrc <filename> - Load the source   file specified by <filename>
ipm loadtarg <filename> - Load the target   file specified by <filename>
ipm loadcoll <filename> - Load the collector file specified by <filename>

ipm addsrc - Add      a source via command line prompts.
ipm addtarg - Add     a target via command line prompts.
ipm delsrc - Delete a source via command line prompts.
ipm deltarg - Delete a target via command line prompts.

ipm seed      [ <hostname> [ <filename> <type> ] ]
Starts a Seed File Configuration Process.
Connects to IPM servers on local host or <hostname>
<filename> is the seed file name.
<type> is 1 for source; 2 for target; 3 for collector.

ipm tshoot     - Display information for Cisco TAC.
ipm regen      - Regenerate all Web reports.
```

Output of ipm export help Command

The following example shows the command syntax and help that is displayed when you use the **ipm export help** command:



Note

You must be logged in as the root user to use export IPM data using the **ipm export** command.

```
# ipm export help
```

Usage:

```
/opt/CSCOipm/bin/ipmExport.pl [ipmRoot]
    [-q] [[-k <letter>] | -w] [-h]
    [ ( -c | -s | -t | -o ) [<Name>] ]
    | [ (-dh | -dd | -dw | -dm) <StartTime> <EndTime> [ <CollectorName> ] ]
```

General options:

```
[ipmRoot] - Root location of IPM, such as /opt/CSCOipm

-q Quiet output- display no column headings. Only applicable in plain
text output format

-k Delimiter- set the field delimiter to <letter>. By default, this
is set to a comma ','. Only applicable in plain text output format.

-w HTML output - A web page will be generated from the output of
this command.

-h Help - output this usage help
```

Format:

```
Time - <StartTime> and <EndTime> need to be inputed as:
      MM/DD/YYYY-hh:mm:ss Day
<WhichDay> needs to be inputed as
      MM/DD/YYYY
```


Output options:

- c Display collector configuration. If <name> is omitted, display a list of all collectors. If <name> is specified, display information about the specified collector.
- s Display source router configuration. If <name> is omitted, display a list of all source routers. If <name> is specified, display information about the specified source router.
- t Display target configuration. If <name> is omitted, display a list of all targets. If <name> is specified, display information about the specified target.
- o Display operation configuration. If <name> is omitted, display a list of all operations. If <name> is specified, display information about the specified operation.
- dh Display hourly non-jitter statistical data. If <name> is omitted, display data for all non-jitter collectors. If <name> is specified, display information about the specified collector.
- dd Display daily non-jitter statistical data. If <name> is omitted, display data for all non-jitter collectors. If <name> is specified, display information about the specified collector.
- dw Display weekly non-jitter statistical data. If <name> is omitted, display data for all non-jitter collectors. If <name> is specified, display information about the specified collector.
- dm Display monthly non-jitter statistical data. If <name> is omitted, display data for all collectors. If <name> is specified, display information about the specified collector.
- jh Display hourly jitter statistical data. If <name> is omitted, display data for all jitter collectors. If <name> is specified, display information about the specified collector.
- jd Display daily jitter statistical data. If <name> is omitted, display data for all jitter collectors. If <name> is specified, display information about the specified collector.
- jw Display weekly jitter statistical data. If <name> is omitted, display data for all jitter collectors. If <name> is specified, display information about the specified collector.

Output of ipm export help Command

- jm Display monthly jitter statistical data. If <name> is omitted, display data for all jitter collectors. If <name> is specified, display information about the specified collector.

- r Generate summary web reports, which can be retrieved and browsed from ipm home page. If <WhichDay> is specified, generate all applicable web reports for that day; otherwise, will generate all applicable web reports for yesterday.