MWTM Command Reference

This appendix provides the format and a brief description of the following MWTM commands, listed alphabetically. Each command is available on the server only, server and Solaris clients only, or server and all clients (including Windows) as indicated.

mwtm

Server and Solaris/Linux Clients Only

Command Description

Displays the command syntax for the **mwtm** command and all of its options. The function of this command is identical to **mwtm help**.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm adduser

Server Only

Full Syntax

mwtm adduser [*username*]

Command Description

If MWTM User-Based Access is enabled, adds the specified user to the authentication list.

When you add a user, MWTM prompts you for the following information:

- User's password. When setting the password, follow the rules and considerations in the "Creating Secure Passwords" section on page 10-5.
- Whether to force the user to change the password at the next login. The default is not to force the user to change the password.

- Authentication level for the user. Valid levels are:
  - **1**—Basic User
  - **2**—Power User
  - **3**—Network Operator
  - **4**—Network Administrator
  - **5**—System Administrator

See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information on authentication levels, and on the use of this command.

You must be logged in as the root user or as a super user to use this command.

Note   If you have enabled Solaris authentication, you must be logged in as the root user, not a super user, to use this command. See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm authtype

Server Only

Full Syntax

mwtm authtype [**local | solaris | linux**]

Command Description

Configures MWTM security authentication, as follows:

- **local**—Allows creation of user accounts and passwords local to the MWTM system. When using this method, user names, passwords, and access levels are managed using MWTM commands.
- **solaris**—Uses standard Solaris-based user accounts and passwords, as specified in the */etc/nsswitch.conf* file. Authentication can be provided by the local */etc/passwd* file or from a distributed Network Information Services (NIS) system.
- **linux**—Uses standard Linux-based user accounts and passwords, as specified in the */etc/nsswitch.conf* file. Authentication can be provided by the local */etc/passwd* file or from a distributed Network Information Services (NIS) system.

See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm backup

Server Only

Command Description

Backs up MWTM data files to the MWTM installation directory. MWTM automatically backs up all data files at 1:30 AM each night, but you can use this command to back up the files at any other time.

- If you installed MWTM in the default directory, */opt*, then the locations of the backup files are */opt/mwtm50-client-backup.tar.Z* and */opt/mwtm50-server-backup.tar.Z*.

- If you installed MWTM in a different directory, then the backup files are located in that directory.

To restore the MWTM data files from the previous night's backup, use the **mwtm restore** command. Do not try to manually extract the backup files.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm backupdir

Server Only

Full Syntax

mwtm backupdir [*directory*]

Command Description

Enables you to change the directory in which MWTM stores its nightly backup files. The default backup directory is the directory in which MWTM is installed:

- If you installed MWTM in the default directory, */opt*, then the default backup directory is also */opt*.

- If you installed MWTM in a different directory, then the default backup directory is that directory.

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

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm badloginalarm

Server Only

Full Syntax

mwtm badloginalarm [*number-of-attempts* | **clear**]

Command Description

If MWTM User-Based Access is enabled, number of unsuccessful login attempts allowed before MWTM generates an alarm.

The valid range is 1 unsuccessful attempt to an unlimited number of unsuccessful attempts. The default value is 5 unsuccessful attempts.

MWTM records alarms in the system security log file. The default path and filename for the system security log file is */opt/CSCOsgm/logs/sgmSecurityLog.txt*. If you installed MWTM in a directory other than */opt*, then the system security log file is located in that directory.

To view the system security log file, enter **mwtm seclog**. You can also view the system security log on the MWTM System Security Log Web page. For more information, see the "Viewing the MWTM System Security Log" section on page 13-41.

To reset the valid range back to 5 attempts, enter **mwtm badloginalarm clear**.

See the "Automatically Disabling Users and Passwords (Server Only)" section on page 10-8 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm badlogindisable

Server Only

Full Syntax

mwtm badlogindisable [*number-of-attempts* | **clear**]

Command Description

If MWTM User-Based Access is enabled, number of unsuccessful login attempts by a user allowed before MWTM disables the user's authentication. MWTM does not delete the user from the authentication list, MWTM only disables the user's authentication. To re-enable the user's authentication, use the **mwtm enableuser** command.

The valid range is 1 unsuccessful attempt to an unlimited number of unsuccessful attempts. The default value is 10 unsuccessful attempts.

To reset the valid range back to 5 attempts, enter **mwtm badlogindisable clear**.

See the "Automatically Disabling Users and Passwords (Server Only)" section on page 10-8 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm browserpath

Server and Solaris/Linux Clients Only

Command Description

Sets a user-defined MWTM Web browser path, and verifies that the browser specified by the user exists.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm certgui

Solaris Clients Only

Command Description

If Secure Sockets Layer (SSL) is implemented in your MWTM system, opens the MWTM Certificate Tool window, which enables you to manage SSL certificates on the MWTM client.

✎
Note   If you installed the MWTM server and client on the same workstation, this command is unnecessary. Instead, when you use the **mwtm keytool** command to manage SSL certificates on the server, MWTM automatically manages the certificates on the client.

You must be logged in as the root user (not as a super user) to use this command in Solaris.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm certtool

Server and Solaris Clients Only

Full Syntax

mwtm certtool [**clear** | **delete** *alias* | **export** *alias* [**-file** *filename*] | **import** *alias* [**-file** *filename*] | **list**]

Command Description

If Secure Sockets Layer (SSL) is implemented in your MWTM system, enables you to manage SSL certificates on the MWTM client from the command line.

✎
Note   If you installed the MWTM server and client on the same workstation, this command is unnecessary. Instead, when you use the **mwtm keytool** command to manage SSL certificates on the server, MWTM automatically manages the certificates on the client.

Use the following 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 host name 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 the MWTM client.

- **delete** *alias*—Removes the specified SSL certificate from the MWTM client.

- **clear**—Removes all SSL certificates from the MWTM client.

Solaris Only: You must be logged in as the root user (not as a super user) to use this command in Solaris.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm changes

Server Only

Command Description

Displays the contents of the MWTM CHANGES file. The CHANGES file lists all bugs that have been resolved in MWTM, sorted by release, from the current release back to Release 2.2.

- If you installed MWTM in the default directory, */opt*, then the MWTM CHANGES file is located in the */opt/CSCOsgm/install* directory.

- If you installed MWTM in a different directory, then the file is located in that directory.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm clean

Server Only

Command Description

Removes all MWTM data from the MWTM server, **excluding** message log files, backup files, and report files. This command restores the MWTM server to a "clean" state, such as would exist after a new installation of MWTM, except for the presence of the retained files.

Data removed includes all MWTM data, notes, preferences, security settings, route files, seed files, event filters, report control files, and views, as well as any user-created files stored in MWTM directories.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm cleanall

Server Only

Command Description

Removes all MWTM data from the MWTM server, **including** message log files, backup files, report files, configuration settings, and security settings. This command restores the MWTM server to a "clean" state, such as would exist after a new installation of MWTM.

Data removed includes all MWTM data, notes, preferences, security settings, route files, seed files, event filters, report control files, views, message log files, backup files, and report files, as well as any user-created files stored in MWTM directories.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm cleandb

Server Only

Command Description

Removes all MWTM data from the MWTM server, including the core data model database, all view files, notes associated with objects, and event filters, but **excluding** message log files, backup files, report files, configuration settings, security settings, and route files. This command restores the MWTM server to a "clean" state, such as would exist after a new installation of MWTM, except for the presence of the retained files.

Data removed includes all MWTM data, notes, event filters, and views, as well as any user-created files stored in MWTM directories.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm cleandiscover

Server Only

Full Syntax

mwtm cleandiscover [*seed-node*] [*seed-node*]...

Command Description

Enables you to delete all current network data and begin a clean discovery of 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.

> **Note** When you begin a clean discovery, MWTM stops any real-time polls that are running and issues appropriate messages.
>
> Running this command does not remove any notes, preferences, views, message log files, backup files, or report files, nor any user-created files stored in MWTM directories.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm cliconntimer

Server Only

Full Syntax

mwtm cliconntimer [*number-of-seconds* | **clear**]

Command Description

Specifies how long, in seconds, an MWTM client is to wait for a message from the MWTM server before exiting. If the timer expires, the client pings the server and takes the following action:

- If the server responds to the ping, the client reconnects to the server.
- If the server does not respond to the ping, but there is a backup server configured, the client connects to the backup server.
- If the server does not respond to the ping, and there is no backup server configured, the client stops.

The valid range is 10 seconds to an unlimited number of seconds. The default value is 60 seconds.

To restore the default timeout of 60 seconds, enter the **mwtm cliconntimer clear** command.

Any changes you make take effect when you restart the MWTM server.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm client

Solaris/Linux Clients Only

Full Syntax

mwtm client [*hostname*]

Command Description

Starts an MWTM client on the specified host. If no host name is specified, starts an MWTM client on the default host, as specified during installation. See the "Connecting to a New Server" section on page 3-33 for information about determining the default host.

If you Telnet into a remote workstation, the DISPLAY variable must be set to your local display, or you cannot use this command. If the DISPLAY variable is not set automatically, you must set it manually. See the "Setting the DISPLAY Variable (Client Only)" section on page 11-30 for details.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm clientlogs

Server Only

Command Description

Uses PAGER to display the MWTM client log files.

The MWTM client log files contain client console output for all MWTM clients, one file per local or remote client. The file for a client is created by MWTM automatically when the client starts.

- If you installed MWTM in the default directory, */opt*, then the MWTM client log file is located in the */opt/CSCOsgm/logs/clientLogs* directory.

- If you installed MWTM in a different directory, then the file is located in that directory.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm clitimeout

Server Only

Full Syntax

mwtm clitimeout [*number-of-minutes* | **clear**]

Command Description

Specifies how long, in minutes, an MWTM client can be inactive before being disconnected automatically by MWTM.

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 the **mwtm clitimeout** command, the valid range is 1 minute to an unlimited number of minutes. There is no default value.

If you have enabled this function and you want to disable it (that is, never disconnect a client as a result of inactivity), enter the **mwtm clitimeout clear** command.

See the "Automatically Disabling Users and Passwords (Server Only)" section on page 10-8 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm cmdlog

Server Only

Full Syntax

mwtm cmdlog [**clear** | **-r**]

Command Description

Uses PAGER to display the contents of the system command log. The system command log lists all **mwtm** commands that have been entered for the MWTM server, the time each command was entered, and the user who entered the command.

To clear the log and restart the server, enter **mwtm cmdlog clear**.

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

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm console

Server Only

Command Description

Displays the contents of the console log file, *sgmConsoleLog.txt*. The console log file contains unexpected error and warning messages from the MWTM server, such as those that might occur if the MWTM server cannot start.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm countnodes

Server Only

Command Description

Displays a count of nodes in the current MWTM database.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

-

mwtm countobjects

Server Only

Command Description

Displays a count of all objects in the current MWTM database.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

-

mwtm cwsetup

Solaris Server Only

Full Syntax
mwtm cwsetup [**install** | **uninstall**]

Command Description

Manages the integration of MWTM with CiscoWorks:

- **install**—Checks to see which CiscoWorks files are installed, and installs additional files as necessary. Use this command to integrate MWTM and CiscoWorks in the following instances:

    - You installed CiscoWorks after you installed MWTM.

    - MWTM and CiscoWorks are no longer integrated for some reason.

- **uninstall**—Removes MWTM files from the CiscoWorks area.

    Always run **mwtm cwsetup uninstall** before uninstalling CiscoWorks from your system.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm delete

Server Only

Full Syntax

mwtm delete node [**all** | *node* [*node*]...]

Command Description

Deletes objects from the MWTM database.

- **node all**—Deletes all nodes from the MWTM database.

- **node** *node* [*node*]...—Deletes one or more nodes from the MWTM database. Use the *node* arguments to specify one or more nodes.

See the "Deleting a Node" section on page 6-48 for more information.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm deluser

Server Only

Full Syntax

mwtm deluser [*username*]

Command Description

If MWTM User-Based Access is enabled, deletes the specified user from the authentication list. To add the user back to the list, use the **mwtm adduser** command.

See the "Manually Disabling Users and Passwords (Server Only)" section on page 10-11 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm disablepass

Server Only

Full Syntax

mwtm disablepass [*username*]

Command Description

If MWTM User-Based Access is enabled and **mwtm authtype** is set to **local**, disables the specified user's authentication and password. MWTM does not delete the user from the authentication list, MWTM only disables the user's authentication and password.

- To re-enable the user's authentication with the same password as before, use the **mwtm enableuser** command.
- To re-enable the user's authentication with a new password, use the **mwtm userpass** command.

If **mwtm authtype** is set to **solaris**, you cannot use this command. Instead, you must manage passwords on the external authentication servers.

See the "Manually Disabling Users and Passwords (Server Only)" section on page 10-11 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm disableuser

Server Only

Full Syntax

mwtm disableuser [*username*]

Command Description

If MWTM User-Based Access is enabled, disables the specified user's authentication. MWTM does not delete the user from the authentication list, MWTM only disables the user's authentication.

- To re-enable the user's authentication with the same password as before, use the **mwtm enableuser** command.
- To re-enable the user's authentication with a new password, use the **mwtm userpass** command.

See the "Manually Disabling Users and Passwords (Server Only)" section on page 10-11 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

Note   If you have enabled Solaris authentication, you must be logged in as the root user, not a super user, to use this command. See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm discover

Server Only

Full Syntax

mwtm discover [*seed-node*] [*seed-node*]...

Command Description

Enables you 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. For more information about seed nodes, see Loading Seed Nodes and Seed Files, page 2-11.

Note   This command does not perform a clean discovery. To do so, see the **mwtm cleandiscover** command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm enableuser

Server Only

Full Syntax

mwtm enableuser [*username*]

Command Description

If MWTM User-Based Access is enabled, re-enables the specified user's authentication, which had been disabled either automatically by MWTM or by a super user.

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

See the "Enabling and Changing Users and Passwords (Server Only)" section on page 10-13 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

Note   If you have enabled Solaris authentication, you must be logged in as the root user, not a super user, to use this command. See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm eventeditor

Solaris/Linux Clients Only

Full Syntax

mwtm eventeditor [*hostname*]

Command Description

Starts an MWTM Event Configurator on the specified host. If no host name is specified, starts an MWTM Event Configurator on the default host, as specified during installation. See the "Connecting to a New Server" section on page 3-33 for information about determining the default host.

For more information about the MWTM Event Configurator, see the "Changing the Way MWTM Processes Events" section on page 5-17.

If you Telnet into a remote workstation, the DISPLAY variable must be set to your local display, or you cannot use this command. If the DISPLAY variable is not set automatically, you must set it manually. See the "Setting the DISPLAY Variable (Client Only)" section on page 11-30 for details.

mwtm eventlog

Server Only

Full Syntax

mwtm eventlog [**clear** | **-r**]

Command Description

Uses PAGER to display the contents of the MWTM 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 **mwtm eventlog clear**.

To display the contents of the log in reverse order, with the most recent events at the beginning of the log, enter **mwtm eventlog -r**.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm evilstop

Server Only

Command Description

Forcefully stops all MWTM servers on the local host. This command can be useful if a normal **mwtm stop** does not stop the servers.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm export

Server Only

Full Syntax

mwtm export [-**d** {**bar** | **comma** | **tab**}] [**all** | **nodes**]

Command Description

Exports current MWTM data.

By default, MWTM separates data fields with vertical bars (|). However, you can specify commas (,) or tabs as the separator:

- **-d bar**—Separate data fields with vertical bars (|). This is the default setting.
- **-d comma**—Separate data fields with commas (,).
- **-d tab**—Separate data fields with tabs.

By default, MWTM exports all data. However, you can limit the data that MWTM exports:

- **all**—Export all current MWTM data. This is the default selection.
- **nodes**—Export only node data.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm export cw

Solaris Server Only

Full Syntax

mwtm export cw

Command Description

Exports current MWTM node names and read and write SNMP community names, in CiscoWorks import format, with fields separated by commas (,). You can export this data to a file, then use the file to import the devices into the CiscoWorks database.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm help

Server and Solaris/Linux Clients Only

Full Syntax

mwtm help [*keyword*]

Command Description

Displays the command syntax for the **mwtm** command and all of its options.

To see the command syntax for a specific keyword, enter **mwtm help** followed by that keyword. For example, if you enter **mwtm help restart**, MWTM displays:

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

List of mwtm Commands

- MWTM Command Reference, page C-1.

mwtm inactiveuserdays

Server Only

Full Syntax

mwtm inactiveuserdays [*number-of-days* | **clear**]

Command Description

If mwtm User-Based Access is enabled, 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 **mwtm inactiveuserdays** command, the valid range is 1 day 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 MWTM from automatically disabling user accounts as a result of inactivity), enter **mwtm inactiveuserdays clear**.

To re-enable the user's authentication, use the **mwtm enableuser** command.

See the "Automatically Disabling Users and Passwords (Server Only)" section on page 10-8 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm installlog

Server and Solaris/Linux Clients Only

Full Syntax

mwtm 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 be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm iosinfo

Server Only

Command Description

Displays the versions of IOS with which MWTM is compatible.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm ipaccess

Server Only

Full Syntax

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

Command Description

Enables you to create and manage a list of client IP addresses allowed to connect to the MWTM server.

The list of allowed client IP addresses is contained in the *ipaccess.conf* file. By default, when you first install MWTM, the *ipaccess.conf* file does not exist and MWTM allows all client IP addresses to connect to the MWTM server. To create the *ipaccess.conf* file and work with the list of allowed client IP addresses, specify one of the following 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 MWTM 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 are listed (that is, the list is empty), connections from any MWTM 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 the MWTM server.

See the "Limiting MWTM Client Access to the MWTM Server (Server Only)" section on page 10-32 for more information about using this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm jspport

Server Only

Full Syntax

mwtm jspport [*port-number*]

Command Description

Sets a new port number for the JSP server, where *port-number* is the new, numeric port number. MWTM verifies that the new port number is not already in use.

This command is needed only if you must change the port number after you install MWTM, because another application must use the current port number.

The new port number must contain only numbers. If you enter a port number that contains non-numeric characters, such as **mwtm13**, MWTM displays an error message and returns to the command prompt without changing the port number.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm keytool

Solaris Server Only

Full Syntax

mwtm keytool [**clear** | **genkey** | **import_cert** *cert_filename* | **import_key** *key_filename cert_filename* | **list** | **print_csr** | **print_crt**]

Command Description

If SSL is implemented in your MWTM system, manages SSL keys and certificates on the MWTM server.

If you installed the MWTM server and client on the same workstation, also automatically manages the certificates on the client.

Use the following keywords and arguments with this command:

- **clear**—Stops the MWTM server, if necessary, and removes all SSL keys and certificates from the server. Before restarting the server, you must either generate new SSL keys using the **mwtm keytool genkey** command, or you must completely disable SSL using the **mwtm ssl disable** command.
- **genkey**—Stops the MWTM server, if necessary, and generates a new self-signed public/private SSL key pair on the MWTM 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 the MWTM server.
- **print_csr**—Prints a certificate signing request (CSR) in X.509 format.
- **print_crt**—Prints the MWTM server's SSL certificate in X.509 format.

See the "Implementing SSL Support in MWTM (Solaris Only)" section on page 10-22 for more information on the use of this command.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm killclients

Server Only

Command Description

Forcefully stops all MWTM clients, including Event Configurators, on the local host.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm listusers

Server Only

Full Syntax

mwtm listusers [*username*]

Command Description

If MWTM User-Based Access is enabled, lists all currently defined users in the authentication list, including the following information for each user:

- User name

- 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.

See the "Listing All Currently Defined Users (Server Only)" section on page 10-17 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm logger

Server Only

Command Description

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

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

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm logtimemode

Server Only

Full Syntax

mwtm logtimemode [**12** | **24**]

Command Description

Sets the time mode for dates in log files (except sgmCommandLog.txt and sgmSecurityLog.txt):

- **12**—Use 12-hour time, with AM and PM. 1:00 in the afternoon is 1:00 PM.

- **24**—Use 24-hour time, also called military time. 1:00 in the afternoon is 13:00. This is the default setting.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm maxasciirows

Server Only

Full Syntax

mwtm maxasciirows [*number-of-rows*]

Command Description

Sets the maximum number of rows for MWTM ASCII Web output, such as displays of detailed debugging information.

If you enter this command without the *number-of-rows* argument, MWTM displays the current maximum number of rows. You can then change that value, or leave it as-is. The valid range is 1 row to an unlimited number of rows. The default value is 6000 rows.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm maxevhist

Server Only

Full Syntax

mwtm maxevhist [*number-of-rows*]

Command Description

Sets the maximum number of rows for MWTM to search in the event history logs. The event history logs are the current and archived MWTM network status logs for status change and SNMP trap messages. MWTM sends the results of the search to the Web browser, where the results are further limited by the setting of the **mwtm maxhtmlrows** command.

If you enter this command without the *number-of-rows* argument, MWTM displays the current maximum number of rows. You can then change that value, or leave it as-is. The valid range is 1 row to an unlimited number of rows. The default value is 15000 rows.

The default setting is sufficient in most MWTM environments. However, you might need to increase the setting if MWTM has archived a large number of event history logs, each log contains thousands of messages, and you want to search more than 15000 rows. However, be aware that increasing this setting can increase the search time.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm maxhtmlrows

Server Only

Full Syntax

mwtm maxhtmlrows [*number-of-rows*]

Command Description

Sets the maximum number of rows for MWTM HTML Web output, such as displays of statistics reports, status change messages, or SNMP trap messages.

If you enter this command without the *number-of-rows* argument, MWTM displays the current maximum number of rows. You can then change that value, or leave it as-is. The valid range is 1 row to an unlimited number of rows. The default value is 200 rows.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm mldebug

Server Only

Full Syntax

mwtm mldebug [*mode*]

Command Description

Sets the mode for logging MWTM debug messages:

- **normal**—Logs all action, error, and info messages. Use **mwtm mldebug normal** to revert to the default settings if you accidentally enter the **mwtm mldebug** command.
- **list**—Displays the current settings for the **mwtm 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.
- **snmp**—Logs all SNMP messages.
- **trace**—Logs all trace messages.

This command can adversely affect MWTM performance. Use this command **only** under guidance from the Cisco TAC.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm motd

Server Only

Full Syntax

mwtm motd [**cat** | **disable** | **edit** | **enable**]

Command Description

Manages the MWTM message of the day file, which is a user-specified MWTM system notice. You can use the message of the day to inform users of important changes or events in the MWTM system. The message of the day also gives users an opportunity to exit the MWTM client before launching.

If the message of the day is enabled, it is displayed whenever a user attempts to launch an MWTM client:

- If the user accepts the message, the client launches.
- If the user declines the message, the client does not launch.

Use the following keywords with this command:

- **enable**—Enables the message of the day function. Initially, the message of the day file is blank; use the **mwtm motd edit** command to specify the message text.
- **edit**—Enables you to change 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 MWTM client).

See the "Displaying a Message of the Day (Server Only)" section on page 10-15 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm msglog

Server Only

Full Syntax

mwtm 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 **mwtm msglog clear**.

To display the contents of the log in reverse order, with the most recent messages at the beginning of the log, enter **mwtm msglog -r**.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm msglogage

Server Only

Full Syntax

mwtm msglogage [*number-of-days*]

Command Description

Sets the maximum number of days to archive system message log files before deleting them from the MWTM server.

If you enter this command without the *number-of-days* argument, MWTM displays the current maximum number of days. You can then change that value, or leave it as-is. The valid range is 1 day to an unlimited number of days. The default value is 31 days.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm msglogdir

Server Only

Full Syntax

mwtm msglogdir [*directory*]

Command Description

Changes the default location of all MWTM system message log files. By default, the system message log files are located on the MWTM server at */opt/CSCOsgm/logs*.

Note   Do not set the new directory to any of the following: */usr*, */var*, */opt*, or */tmp*.

Do not set the new directory to the same directory in which you are storing report files (**mwtm repdir**).

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

You must be logged in as the root user or as a super user to use this command. If you are changing to a default location outside MWTM, you must have appropriate permissions for that location.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm msglogsize

Server Only

Full Syntax

mwtm msglogsize [*number-of-lines*]

Command Description

Sets the maximum number of messages to write to the message log file before starting a new file.

If you enter this command without the *number-of-lines* argument, MWTM displays the current maximum number of messages. You can then change that value, or leave it as-is.

The valid range is 1000 messages to an unlimited number of messages. The default value is 10000 messages (approximately 2 MB). Therefore, the default message log file and its copy require approximately 4 MB, combined. If you specify a larger message log file size, the message log file and its copy require proportionally more space.

When changing the number of messages to display, keep in mind that every 5000 messages require approximately 1 MB. You need to balance your need to refer to old messages against the amount of space they take up.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm netlog

Server Only

Full Syntax

mwtm 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 **mwtm netlog clear**.

To display the contents of the log in reverse order, with the most recent network status messages at the beginning of the log, enter **mwtm netlog -r**.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm netlogger

Server Only

Command Description

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

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

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm newlevel

Server Only

Full Syntax

mwtm newlevel [*username*]

Command Description

If MWTM User-Based Access is enabled, changes the authentication level for the specified user. Valid levels are:

- **1**—Basic User
- **2**—Power User
- **3**—Network Operator
- **4**—Network Administrator
- **5**—System Administrator

See the "Enabling and Changing Users and Passwords (Server Only)" section on page 10-13 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm passwordage

Server Only

Full Syntax

mwtm passwordage [*number-of-days* | **clear**]

Command Description

If MWTM User-Based Access is enabled and **mwtm authtype** is set to **local**, number of days allowed before forcing users to change passwords.

> ✎ **Note**   Change the password at least once for this command to properly age the password.

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

If you enter the **mwtm passwordage** command, the valid range is 1 day 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 MWTM from forcing users to change passwords), enter **mwtm passwordage clear**.

> ✎ **Note**   If **mwtm authtype** is set to **solaris**, you cannot use this command. Instead, you must manage passwords on the external authentication servers.

See the "Automatically Disabling Users and Passwords (Server Only)" section on page 10-8 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm patchlog

Server Only

Full Syntax

mwtm patchlog

Command Description

Uses PAGER to display the contents of the patch log, which lists the patches that have been installed on the MWTM server.

The default path and filename for the patch log file is */opt/CSCOsgm/install/sgmPatch.log*. If you installed MWTM in a directory other than */opt*, then the patch log file is located in that directory.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm poll

Server Only

Full Syntax

mwtm poll [*node*] [*node*]...

Command Description

Enables you 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 be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm pollertimeout

Server Only

Full Syntax

mwtm pollertimeout [*number-of-seconds*]

Command Description

Specifies how long, in seconds, MWTM clients that are connected to the MWTM server can run a demand poller, as in a real-time data window or Web page, before MWTM automatically stops the poller to prevent unnecessary traffic on the network. When the demand poller times out, MWTM stops the poller and sends an appropriate error message to the client.

The valid range is 1 second to an unlimited number of seconds. The default timeout is 8 hours (28800 seconds).

After you change the timeout, MWTM asks if you want to restart the MWTM server. The new poller timeout takes effect when you restart the MWTM server.

See the "Server Status Information: Pollers" section on page 3-26 for more information on demand pollers.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm print

Server Only

Full Syntax

mwtm print {**all** | **data** | **snmp** | **task**}

Command Description

Displays information about server internal data, SNMP settings, running tasks, or all three.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm props

Server and Solaris/Linux Clients Only

Command Description

Displays the contents of the *System.properties* files for both MWTM server and client installs.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm readme

Server and Solaris/Linux Clients Only

Command Description

Displays the contents of the README file for MWTM.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm reboot

Server Only

Command Description

Reboots the Solaris or Linux MWTM system.

✎

Note   Use this command with care. Rebooting the Solaris MWTM system disconnects all MWTM clients that are using the system. Before using this command, use the **mwtm who** command to list all current users, and the **mwtm wall** command to warn all current users that you are rebooting the system.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm repdir

Server Only

Full Syntax

mwtm repdir [*directory*]

Command Description

Sets the directory in which MWTM stores report files. See the "Working with MWTM Statistics Reports" section on page 9-1 for information about MWTM reports.

The default directory for report files is located in the MWTM installation directory:

- If you installed MWTM in the default directory, */opt*, then the default directory is */opt/CSCOsgm/reports*.

- If you installed MWTM in a different directory, then the default directory is located in that directory.

Use this command if you want to use a different directory for report files, such as a Network File System location on another server.

> **Note**   This command copies all files in the current directory to the new directory. If you are not logged in as the super user, and you do not own the new directory, you might not be able to copy the files. If that is the case, you must specify a directory that you own, or you must log in as the root user.
>
> Do not set the new directory to any of the following: */usr*, */var*, */opt*, or */tmp*.
>
> Do not set the new directory to the same directory in which you are storing message log files (**mwtm msglogdir**) or route table files (**mwtm routedir**).

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

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm rephelp

Server Only

Command Description

Displays help for all commands related to MWTM reports.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm replog

Server Only

Full Syntax

mwtm replog [**clear** | **-r**]

Command Description

Uses PAGER to display the contents of the system reports log. The reports log lists all messages related to the creation and maintenance of MWTM reports.

To clear the log and restart the server, enter **mwtm replog clear**.

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

The default path and filename for the system reports log file is */opt/CSCOsgm/logs/sgmReportLog.txt*. If you installed MWTM in a directory other than */opt*, then the system reports log file is located in that directory.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm restart

Server Only

Full Syntax

mwtm restart [**jsp** | **pm** | **web**]

Command Description

Restarts MWTM servers on the local host:

- **jsp**—Restarts the MWTM JSP Server.
- **pm**—Restarts the MWTM Process Manager and all managed processes.
- **web**—Restarts the MWTM Web Server.
- If you do not specify a keyword, **mwtm restart** restarts all MWTM servers.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm restore

Server Only

Full Syntax

mwtm restore [**logs** | **reports** | **security**]

Command Description

Restores the MWTM data files from the previous night's backup, stored in the MWTM installation directory:

- If you installed MWTM in the default directory, */opt*, then the locations of the backup files are */opt/mwtm50-client-backup.tar.Z* and */opt/mwtm50-server-backup.tar.Z*.
- If you installed MWTM in a different directory, then the backup files are located in that directory.

To restore only specific parts of the MWTM data files, use the following keywords:

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

To change the directory in which MWTM stores these backup files, use the **mwtm backupdir** command.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

mwtm restoreprops

Server and Solaris/Linux Clients Only

Command Description

Restores the MWTM server and client *System.properties* files, and other important configuration files, to "clean" backup versions of the files.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

mwtm rootvars

Server and Solaris/Linux Clients Only

Command Description

Displays the contents of the */etc/CSCOsgm.sh* file, which determines the root location of the MWTM server and client installation.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm sechelp

Server Only

Command Description

Displays help for all commands related to MWTM security.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm seclog

Server Only

Full Syntax
mwtm seclog [**clear** | **-r**]

Command Description

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

The following security events are recorded in the log:

- All changes to system security, including adding users
- Login attempts, whether successful or unsuccessful, and logoffs
- 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
- MWTM restarts
- Failures of computers, programs, communications, and operations, at the Solaris level

To clear the log and restart the server, enter **mwtm 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 **mwtm seclog -r**.

The default path and filename for the system security log file is */opt/CSCOsgm/logs/sgmSecurityLog.txt*. If you installed MWTM in a directory other than */opt*, then the system security log file is located in that directory.

See the "Displaying the Contents of the System Security Log (Server Only)" section on page 10-18 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm secondaryserver

Server Only

Full Syntax

mwtm secondaryserver [*hostname* [*naming-port*] | **list**]

Command Description

Configures a secondary MWTM server, where:

- *hostname* is the name of the host on which the secondary MWTM server is installed.
- *naming-port* is the MWTM Naming Server port number for the secondary MWTM server. The default port number is 44742.

For best results, Cisco recommends that you configure the primary server and the secondary server as secondaries for each other.

If you use the **mwtm secondaryserver** command to configure a secondary MWTM server, but the primary MWTM server fails before you launch the MWTM client, then the MWTM client has no knowledge of the secondary server.

To list the secondary MWTM server that has been configured for this primary MWTM server, enter the **mwtm secondaryserver list** command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm servername

Server and Solaris/Linux Clients Only

Full Syntax

mwtm servername [*hostname*]

Command Description

Resets the MWTM server' default host name, where *hostname* is the new default host name:

- Make sure the new default host name is valid and is defined in your */etc/hosts* file. If it is not, you might not be able to start the MWTM server.

- If you are *not* logged in as the root user or as a super user when you enter this command from an MWTM client, the default host name is changed only for that MWTM client, and for the user who entered the command.

- If you *are* logged in as the root user or as a super user when you enter this command, the default host name is changed for the MWTM server and for the client, and the MWTM server is restarted. The new default host name is used by the MWTM server to register RMI services, and by MWTM clients to connect to the server.

- If you are logged into a *client-only* installation as the root user or as a super user when you enter this command, the default host name is changed only for that MWTM client. The new default host name is used by the MWTM client to connect to the MWTM server.

Note Using the **mwtm servername** command to reset the MWTM server's default host name does not affect communication between the MWTM server and the network elements.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm setpath

Server and Solaris/Linux Clients Only

Full Syntax

mwtm setpath [*username*]

Command Description

Appends binary (bin) directories to the path for a user. This enables users to append the proper MWTM 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/CSCOsgm/bin:/opt/CSCOsgmClient/bin # CiscoSGM

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

set path=($path /opt/CSCOsgm/bin /opt/CSCOsgmClient/bin) # CiscoSGM

Thereafter, you can enter MWTM commands like this:

mwtm help

instead of like this:

/opt/CSCOsgm/bin/mwtm help

When entering this command, keep the following considerations in mind:

- If you enter this command and you do not specify a *username*, MWTM appends the bin directories to your path (that is, to the path for the user who is currently logged in and entering the **mwtm setpath** command).

- If you enter this command and you specify a *username*, MWTM appends the bin directories to the path for the specified user. To specify a *username*, the following conditions must all be true:

  – You must be logged in as the root 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. MWTM does not append multiple bin directories to the same path.

- You might need to use the **su -** command when entering root-level commands. If you use the **su** command to become the root user, rather than logging in as the root user, then you must use the **-** option.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm snmpcomm

Server Only

Full Syntax

mwtm snmpcomm [*name*]

Command Description

Enables you to set a new default SNMP read community name. MWTM automatically updates the name in the SNMP parameters file. The default path and filename for the SNMP parameters file is */opt/CSCOsgm/etc/communities.conf*.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm snmpconf

Server Only

Full Syntax

mwtm 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/CSCOsgm/etc/communities.conf*. If you installed MWTM in a directory other than */opt*, then the file is located in that directory.

When you specify a new path or filename, MWTM 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), see the "Importing SNMP Community Names from CiscoWorks (Solaris Only)" section on page 11-2.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm snmpget

Server Only

Full Syntax

mwtm snmpget [**-J***JVM_ARG1* [**-J***JVM_ARG2*]...] [**-v** *snmp_version*] [**-c** *community_string*] [**-r** *retry*] [**-t** *timeout*] [**-d** *output_delimiter*] [**--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**] [**--detect-mib-error**] [**--instance** *oids*] [**--int-instance** *integer*] [**--str-instance** *string*] [*hostname*] [*oid*] [*oid*]...

Command Description

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

- **-J***JVM_ARG1*—JVM options. The **-J** keyword and arguments must be specified before any other keywords and arguments.

  For example, by default JVM uses a maximum of 64 MB of memory. However, if you are walking a large table, JVM might require more memory. To enable JVM to use a maximum of 256 MB of memory, use the following option:

  -J-Xmx256m

- **-v** *snmp_version*—SNMP protocol version. Valid versions are **1** or **2c**. The default version is **2c**.

- **-c** *community_string*—SNMP community string. The default community string is specified in the SNMP parameters file, *communities.conf*.

- **-r** *retry*—SNMP retry count. The default retry count is specified in the SNMP parameters file, *communities.conf*.

- **-t** *timeout*—SNMP timeout, in seconds. The default timeout is specified 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 non-tabular 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 non-tabular 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.

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- **--resolve-integer|--no-resolve-integer**—Specifies the time format:

    – Specify **--resolve-integer** to display integers using the string description in the MIB, such as **available** or **unavailable**.

    – Specify **--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:

    – Specify **--get-sysuptime** to retrieve the sysuptime in the same packet as each SNMP operation.

    – Specify **--no-get-sysuptime** if you do not want to retrieve the sysuptime in the same packet. This s the default setting.

- **--detect-mib-error**—Detects errors in returned MIB variables, such as noSuchInstance, noSuchObject, and endOfMibView. If any such errors are detected, an error message is printed and an error code is returned.

    Sometimes multiple MIB variables are returned at the same time, some of which are in error, and some of which are not.

    – If this occurs and you specified **--detect-mib-error**, none of the correct values are printed, only the error message, and an error code is returned.

    – If this occurs and you did not specify **--detect-mib-error**, a return code of 0 is returned and all MIB variables are printed (even noSuchInstance is printed 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, the following commands perform the same function:

    mwtm snmpget --instance 172.18.16.10 router_1 ipAdEntIfIndex ipAdEntNetMask

    mwtm snmpget router_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, the following commands perform the same function:

    mwtm snmpget --str-instance link_1 router_1 cItpSpLinksetState

    mwtm snmpget router_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/CSCOsgm/etc/communities.conf*. If you installed MWTM in a directory other than */opt*, then the file is located in that directory. You can edit the file manually or using the MWTM client. See the "Configuring SNMP Settings" section on page 2-3 for more information.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm snmphelp

Server Only

Command Description

Displays help for all commands related to SNMP queries.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm snmpnext

Server Only

Full Syntax

mwtm snmpnext [**-J***JVM_ARG1* [**-J***JVM_ARG2*]...] [**-v** *snmp_version*] [**-c** *community_string*] [**-r** *retry*] [**-t** *timeout*] [**-d** *output_delimiter*] [**--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**] [**--detect-mib-error**] [**--instance** *oids*] [**--int-instance** *integer*] [**--str-instance** *string*] [*hostname*] [*oid*] [*oid*]...

Command Description

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

- **-J***JVM_ARG1*—JVM options. The **-J** keyword and arguments must be specified before any other keywords and arguments.

  For example, by default JVM uses a maximum of 64 MB of memory. However, if you are walking a large table, JVM might require more memory. To enable JVM to use a maximum of 256 MB of memory, use the following option:

  -J-Xmx256m

- **-v** *snmp_version*—SNMP protocol version. Valid versions are **1** or **2c**. The default version is **2c**.

- **-c** *community_string*—SNMP community string. The default community string is specified in the SNMP parameters file, *communities.conf*.

- **-r** *retry*—SNMP retry count. The default retry count is specified in the SNMP parameters file, *communities.conf*.

- **-t** *timeout*—SNMP timeout, in seconds. The default timeout is specified 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 non-tabular 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 non-tabular 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:

  – Specify **--resolve-integer** to display integers using the string description in the MIB, such as **available** or **unavailable**.

  – Specify **--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:

    – Specify **--get-sysuptime** to retrieve the sysuptime in the same packet as each SNMP operation.

    – Specify **--no-get-sysuptime** if you do not want to retrieve the sysuptime in the same packet. This s the default setting.

- **--detect-mib-error**—Detects errors in returned MIB variables, such as noSuchInstance, noSuchObject, and endOfMibView. If any such errors are detected, an error message is printed and an error code is returned.

    Sometimes multiple MIB variables are returned at the same time, some of which are in error, and some of which are not.

    – If this occurs and you specified **--detect-mib-error**, none of the correct values are printed, only the error message, and an error code is returned.

    – If this occurs and you did not specify **--detect-mib-error**, a return code of 0 is returned and all MIB variables are printed (even noSuchInstance is printed 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, the following commands perform the same function:

    mwtm snmpget --instance 172.18.16.10 router_1 ipAdEntIfIndex ipAdEntNetMask

    mwtm snmpget router_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, the following commands perform the same function:

  mwtm snmpget --str-instance link_1 router_1 cItpSpLinksetState

  mwtm snmpget router_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/CSCOsgm/etc/communities.conf*. If you installed MWTM in a directory other than */opt*, then the file is located in that directory. You can edit the file manually or using the MWTM client. See the "Configuring SNMP Settings" section on page 2-3 for more information.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm snmpwalk

Server Only

Full Syntax

mwtm snmpwalk [**-J***JVM_ARG1* [**-J***JVM_ARG2*]...] [**-v** *snmp_version*] [**-c** *community_string*]
[**-r** *retry*] [**-t** *timeout*] [**-x** *maximum_rows*] [**-d** *output_delimiter*] [**--tabular**|**--no-tabular**]
[**--getbulk**|**--no-getbulk**] [**--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**] [**--detect-mib-error**] [**--instance** *oids*] [**--int-instance** *integer*]
[**--str-instance** *string*] [*hostname*] [*oid*] [*oid*]...

Command Description

Queries the specified *hostname*, using SNMP GetNextRequests to "walk" through the MIB. Use the following optional keywords and arguments with this command:

- **-J***JVM_ARG1*—JVM options. The **-J** keyword and arguments must be specified before any other keywords and arguments.

  For example, by default JVM uses a maximum of 64 MB of memory. However, if you are walking a large table, JVM might require more memory. To enable JVM to use a maximum of 256 MB of memory, use the following option:

  -J-Xmx256m

- **-v** *snmp_version*—SNMP protocol version. Valid versions are **1** or **2c**. The default version is **2c**.

- **-c** *community_string*—SNMP community string. The default community string is specified in the SNMP parameters file, *communities.conf*.

- **-r** *retry*—SNMP retry count. The default retry count is specified in the SNMP parameters file, *communities.conf*.

- **-t** *timeout*—SNMP timeout, in seconds. The default timeout is specified in the SNMP parameters file, *communities.conf*.

- **-x** *maximum_rows*—Maximum number of rows to be walked. If a table has more than the maximum number of rows, the **mwtm snmpwalk** command fails. You can use the **-m** keyword and argument to increase the maximum number of rows that can be walked. The default setting is 10,000 rows.

  However, for every 10,000 rows walked, 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:

  - Specify **--tabular** to print the result in tabular format. This is the default setting.

  - Specify **--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 walk the table:

  - Specify **--getbulk** to use the **getbulk** command. This is the default setting.

  - Specify **--no-getbulk** if you do not want to use the **getbulk** command.

- **--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 non-tabular 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 non-tabular 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:

  - Specify **--resolve-integer** to display integers using the string description in the MIB, such as **available** or **unavailable**.

  - Specify **--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:

  - Specify **--get-sysuptime** to retrieve the sysuptime in the same packet as each SNMP operation.

  - Specify **--no-get-sysuptime** if you do not want to retrieve the sysuptime in the same packet. This s the default setting.

- **--detect-mib-error**—Detects errors in returned MIB variables, such as noSuchInstance, noSuchObject, and endOfMibView. If any such errors are detected, an error message is printed and an error code is returned.

  Sometimes multiple MIB variables are returned at the same time, some of which are in error, and some of which are not.

  - If this occurs and you specified **--detect-mib-error**, none of the correct values are printed, only the error message, and an error code is returned.

  - If this occurs and you did not specify **--detect-mib-error**, a return code of 0 is returned and all MIB variables are printed (even noSuchInstance is printed 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, the following commands perform the same function:

  mwtm snmpget --instance 172.18.16.10 router_1 ipAdEntIfIndex ipAdEntNetMask

  mwtm snmpget router_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, the following commands perform the same function:

  mwtm snmpget --str-instance link_1 router_1 cItpSpLinksetState

  mwtm snmpget router_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/CSCOsgm/etc/communities.conf*. If you installed MWTM in a directory other than */opt*, then the file is located in that directory. You can edit the file manually or using the MWTM client. See the "Configuring SNMP Settings" section on page 2-3 for more information.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm sounddir

Server Only

Full Syntax

mwtm sounddir [*directory*]

Command Description

Sets the directory in which the MWTM server stores event automation sound files. See the "Changing the Way MWTM Processes Events" section on page 5-17 for information about sound files.

The default directory for sound files is located in the MWTM installation directory:

- If you installed MWTM in the default directory, */opt*, then the default directory is */opt/CSCOsgm/sounds*.

- If you installed MWTM in a different directory, then the default directory is located in that directory.

Use this command if you want to use a different directory for MWTM server event automation sound files, such as a Network File System location on another server.

> **Note**   This command copies all files in the current directory to the new directory. If you are not logged in as the super user, and you do not own the new directory, you might not be able to copy the files. If that is the case, you must specify a directory that you own, or you must log in as the root user.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm ssl

Server Only

Full Syntax

mwtm ssl [**enable** | **disable** | **status**]

Command Description

If you have obtained the SSL-enabled version of MWTM and installed an SSL key/certificate pair in MWTM, you can use this command to manage SSL support in MWTM:

- **enable**—Enables SSL support. If you enter this command and SSL has not been implemented in your MWTM system, MWTM prompts you to contact Cisco TAC or your Cisco Account Team for help in implementing SSL.

- **disable**—Disables SSL support.

- **status**—Displays the current status of SSL support in MWTM, including whether SSL support is enabled or disabled and which SSL keys and certificates exist.

See the "Implementing SSL Support in MWTM (Solaris Only)" section on page 10-22 for more information on the use of this command.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm sslstatus

Server Only

Command Description

If SSL is implemented in your MWTM system, displays current status for SSL support in MWTM, including whether SSL support is enabled or disabled and which SSL keys and certificates exist.

See the "Implementing SSL Support in MWTM (Solaris Only)" section on page 10-22 for more information on the use of this command.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm start

Server Only

Command Description

Starts all MWTM servers on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm start client

Server and all Clients

Full Syntax

mwtm start client [*hostname*]

Command Description

Starts an MWTM client on the specified host. If no host name is specified, starts an MWTM client on the default host, as specified during installation. See the "Connecting to a New Server" section on page 3-33 for information about determining the default host.

If you Telnet into a remote workstation, the DISPLAY variable must be set to your local display, or you cannot use this command. If the DISPLAY variable is not set automatically, you must set it manually. See the "Setting the DISPLAY Variable (Client Only)" section on page 11-30 for details.

This command has the same function as the **mwtm client** command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm start jsp

Server Only

Command Description

Starts the MWTM JSP Server on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm start pm

Server Only

Command Description

Starts the MWTM Process Manager and all managed processes on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm start web

Server Only

Command Description

Starts the MWTM Web Server on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps clean

Server Only

Command Description

Removes all data from MWTM network statistics reports, restoring the reports to a "clean" state.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm statreps cleancustom

Server Only

Full Syntax

mwtm statreps cleancustom [*tag*]

Command Description

Removes all data from one or more MWTM custom statistics reports, restoring the reports to a "clean" state:

- To clean all custom reports, enter **mwtm statreps cleancustom**.
- To clean a single custom report, enter **mwtm statreps cleancustom** *tag*, where *tag* is the ID tag of the custom report you want to clean.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm statreps custage

Server Only

Full Syntax

mwtm statreps custage [*number-of-days*]

Command Description

Maximum number of days MWTM is to archive custom reports.

If you enter this command without the *number-of-days* argument, MWTM displays the current maximum number of days. You can then change that value, or leave it as-is. The valid range is 1 day to an unlimited number of days. The default value is 10 days.

This command has the same function as the **mwtm repcustage** command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm statreps dailyage

Server Only

Full Syntax

mwtm statreps dailyage [*number-of-days*]

Command Description

Maximum number of days MWTM is to archive daily network statistics reports.

If you enter this command without the *number-of-days* argument, MWTM displays the current maximum number of days. You can then change that value, or leave it as-is. The valid range is 1 day to an unlimited number of days. The default value is 90 days.

This command has the same function as the **mwtm repdailyage** command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps diskcheck

Server Only

Full Syntax

mwtm statreps [**diskcheck** | **nodiskcheck**]

Command Description

Specifies whether MWTM is to verify that a disk has at least 10 MB of space remaining before generating network statistics reports:

- **diskcheck**—Verify the disk space. This is the default setting.
- **nodiskcheck**—Do not verify the disk space.

If your system does not return the necessary amount of free space, in a correct format that MWTM can parse, this command enables MWTM to disable checking to allow reporting to continue.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps enable

Server Only

Full Syntax

mwtm statreps [**disable** | **enable**]

Command Description

Enables MWTM to generate network statistics reports:

- **enable**—Generate network statistics reports. This is the default setting.
- **disable**—Do not generate network statistics reports.

You must enter this command to enable MWTM to generate network statistics reports.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps export

Server Only

Full Syntax

mwtm statreps [**export** | **noexport**]

Command Description

Specifies whether MWTM is to generate network statistics reports in export format:

- **export**—Generate network statistics reports in export format. This is the default setting.
- **noexport**—Do not generate network statistics reports in export format.

Network statistics reports in export format are Zip files that contain comma-separated value (CSV) text files that you can download and unzip.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps hourlyage

Server Only

Full Syntax

mwtm statreps hourlyage [*number-of-days*]

Command Description

Maximum number of days MWTM is to archive hourly network statistics reports.

If you enter this command without the *number-of-days* argument, MWTM displays the current maximum number of days. You can then change that value, or leave it as-is. The valid range is 1 day to an unlimited number of days. The default value is 31 days.

This command has the same function as the **mwtm rephourlyage** command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps servratio

Server Only

Full Syntax

mwtm statreps servratio [*factor*]

Command Description

Displays a gray background in the InSrv cell in a network statistics report, if the following condition is met:

Current In-Service < *factor* *** Long-Term In-Service**

The default value for *factor* is **0.95**.

You must be logged in as the root user or as a super user to use this command.

mwtm statreps status

Server Only

Command Description

Displays the current status of all MWTM network statistics report parameters. These are the parameters that are set using the other **mwtm statreps** commands, such as **mwtm statreps** [**disable** | **enable**] and **mwtm statreps** [**diskcheck** | **nodiskcheck**].

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps timemode

Server Only

Full Syntax

mwtm statreps timemode [**12** | **24**]

Command Description

Sets the time mode for dates in network statistics reports:

- **12**—Use 12-hour time, with AM and PM. 1:00 in the afternoon is 1:00 PM.

- **24**—Use 24-hour time, also called military time. 1:00 in the afternoon is 13:00. This is the default setting.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps timer

Server Only

Command Description

Displays the timer file for MWTM network statistics reports. The timer file is useful for identifying how much time MWTM spends gathering report data and generating reports.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm statreps utilratio

Server Only

Full Syntax

mwtm statreps utilratio [*factor*]

Command Description

Displays a gray background in the Send Utilization or Receive Utilization cell in a network statistics report, if the following condition is met:

> **Current Utilization >** *factor* *** Long-Term Utilization**

The default value for *factor* is **1.50**.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm status

Server Only

Command Description

Displays the status of all MWTM servers on the local host.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm stop

Server Only

Command Description

Stops all MWTM servers on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm stopclients

Server and Solaris/Linux Clients Only

Command Description

Forcefully stops all MWTM clients on the local host.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm stop jsp

Server Only

Command Description

Stops the MWTM JSP Server on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm stop pm

Server Only

Command Description

Stops the MWTM Process Manager and all managed processes on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm stop web

Server Only

Command Description

Stops the MWTM Web Server on the local host.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm superuser

Server Only

Full Syntax

mwtm superuser [*username*]

Command Description

Enables the specified user to perform most functions that otherwise require the user to be logged in as the root user. (The root user can still perform those functions, too.) The specified user account must exist in the local */etc/passwd* file. You cannot specify a user that is defined in a distributed Network Information Services (NIS) system.

Note As a super user, you can adversely affect your operating environment if you are unaware of the effects of the commands you use. If you are a relatively inexperienced UNIX user, limit your activities as a super user to the tasks described in this document.

For a complete list of the MWTM commands that a super user *cannot* use, as well as other super user considerations, see the "Specifying a Super User (Server Only)" section on page 10-19.

You must be logged in as the root user (not as a super user) to use this command.

mwtm syncusers

Server Only

Command Description

If MWTM User-Based Access is enabled and **mwtm authtype** is set to **solaris**, synchronizes local MWTM passwords with Solaris.

See the "Manually Synchronizing Local MWTM Passwords (Server Only)" section on page 10-17 for more information on the use of this command.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm tac

Server Only

Command Description

Collects important troubleshooting information for the Cisco Technical Assistance Center, and writes the information to the */opt/CSCOsgm/tmp/cisco_sgm_tshoot.log* file.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm telnetpath

Server and all Clients

Command Description

Specifies the path to the Telnet application to use for Telnet sessions on the MWTM client, as well as any special parameters to pass to the Telnet application.

- On Solaris, the default path is */usr/bin/telnet*.

- On Windows, you do not need to specify a path. Windows detects and launches the Telnet application wherever it is located.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm tnproxy

Server Only

Full Syntax

mwtm tnproxy [**disable** | **enable** | **status**]

Command Description

Manages a Telnet proxy. A Telnet proxy resides on a server and forwards Telnet requests from clients to network elements that are accessible only from that server. A Telnet proxy is typically used to enable remote clients on desktop networks to Telnet to network elements that otherwise would be unreachable.

- **disable**—Disables MWTM Telnet proxy support. This is the default setting.
- **enable**—Enables MWTM to use a Telnet proxy, and prompts you to restart the MWTM server. When you restart the server, MWTM automatically starts the Telnet proxy process.
- **status**—Indicates whether MWTM Telnet proxy support is currently enabled or disabled.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- **MWTM Command Reference, page C-1**.

mwtm trapaccess

Server Only

Full Syntax

mwtm trapaccess [**add** [*ip-addr*] | **clear** | **edit** | **list** | **rem** [*ip-addr*] | **sample**]

Command Description

Enables you to create and manage a list of network element IP addresses allowed to send traps to the MWTM server.

The list of allowed network element IP addresses is contained in the *trapaccess.conf* file. By default, when you first install MWTM, the *trapaccess.conf* file does not exist and MWTM allows all IP addresses to send traps to the MWTM server. To create the *trapaccess.conf* file and work with the list of allowed client IP addresses, specify one of the following keywords:

- **add**—Add the specified IP address to the *trapaccess.conf* file. If the file does not already exist, this command creates the file containing the first entry.
- **clear**—Remove all IP addresses from the *trapaccess.conf* file, and allow traps from any MWTM client IP address.
- **edit**—Open and edit the *trapaccess.conf* file directly. If the *trapaccess.conf* file does not already exist, this command creates an empty file.

- **list**—List all IP addresses currently in the *trapaccess.conf* file. If no IP addresses are listed (that is, the list is empty), traps from any MWTM IP address are allowed.

- **rem**—Remove the specified IP address from the *trapaccess.conf* file.

- **sample**—Print out a sample *trapaccess.conf* file.

Any changes you make take effect when you restart the MWTM server.

See the "Limiting Traps by IP Address (Server Only)" section on page 11-29 for more information about using this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm trapsetup

Server Only

Full Syntax

mwtm trapsetup [**disable**]

Command Description

Stops the MWTM server, configures MWTM to receive SNMP traps (or prevents MWTM from receiving traps), then restarts the MWTM server. MWTM gives you the option to receive traps natively or using HP OpenView.

When you select an SNMP trap port number for the MWTM server, make sure your network elements use the same SNMP trap port number. See the description of the **snmp-server host** command in the "RAN-O Requirements" section of the *Cisco Mobile Wireless Transport Manager Installation Guide* for more information.

To prevent MWTM from receiving traps, enter the **mwtm trapsetup disable** command. MWTM restarts the MWTM server.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm trapstatus

Server Only

Command Description

Displays the current trap reception configuration for MWTM, including:

- SNMP trap integration type:

  - **native**—MWTM receives traps natively on a UDP port.

  - **hpov**—MWTM receives traps using HP OpenView.

- For **native**, MWTM also displays the UDP port number on which MWTM receives traps natively.
- For **hpov**, MWTM also displays the location of the HP OpenView home directory.
- Status for the sgmTrapReceiver (such as **Running** or **Stopped**).

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm uninstall

Server and Solaris/Linux Clients Only

Command Description

Uninstalls MWTM.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm unknownage

Server Only

Full Syntax

mwtm unknownage [*number-of-days*]

Command Description

Sets the maximum number of days to retain **Unknown** objects before deleting them from the MWTM database.

If you enter this command without the *number-of-days* argument, MWTM displays the current maximum number of days. You can then change that value, or leave it as-is. The valid range is 1 day to an unlimited number of days. The default value is 7 days. Setting this value to 0 days means that after one hour, **Unknown** objects will be deleted.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm updateuser

Server Only

Full Syntax

mwtm updateuser [*username*]

Command Description

If MWTM User-Based Access is enabled, changes the authentication level for the specified user. Valid levels are:

- **1**—Basic User
- **2**—Power User
- **3**—Network Operator
- **4**—Network Administrator
- **5**—System Administrator

If **mwtm authtype** is set to **local**, this command also enables you to change the following settings:

- User's password. When setting the password, follow the rules and considerations in the "Creating Secure Passwords" section on page 10-5.

See the "Enabling and Changing Users and Passwords (Server Only)" section on page 10-13 for more information on authentication levels, and on the use of this command.

You must be logged in as the root user or as a super user to use this command.

> **Note** If you have enabled Solaris authentication, you must be logged in as the root user, not a super user, to use this command. See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm useraccess

Server Only

Full Syntax

mwtm useraccess [**disable** | **enable**]

Command Description

Enables or disables MWTM User-Based Access.

User-Based Access provides multi-level password-protected access to MWTM features. Each user can have a unique user name and password. Each user can also be assigned to one of five levels of access, which control the list of MWTM features accessible by that user.

You must enable MWTM User-Based Access in order to use the associated MWTM security commands.

See the "Implementing MWTM User-Based Access (Server Only)" section on page 10-2 for more information.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm userpass

Server Only

Full Syntax

mwtm userpass [*username*]

Command Description

If MWTM User-Based Access is enabled and **mwtm authtype** is set to **local**, changes the specified user's MWTM security authentication password.

If the user's authentication has been disabled, either automatically by MWTM or by a super user, this command re-enables the user's authentication with a new password.

If **sgm authtype** is set to **solaris**, you cannot use this command. Instead, you must manage passwords on the external authentication servers.

See the "Enabling and Changing Users and Passwords (Server Only)" section on page 10-13 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm version

Server and Solaris/Linux Clients Only

Command Description

Displays version information for MWTM servers and clients on the local host.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm viewlog

Server Only

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 **mwtm viewlog clear**.

To display the contents of the log in reverse order, with the most recent messages at the beginning of the log, enter **mwtm msglog -r**.

This command has the same function as the **mwtm msglog** command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm wall

Server Only

Full Syntax

mwtm wall *message_string*

Command Description

Sends a message to all clients connected to the server. For example:

> **./mwtm wall Server going down at 9:00 pm tonight.**

sends the following message:

> **Server going down at 9:00 pm tonight.**

MWTM ignores quotation marks in *message_string*. To include quotation marks, use the escape character (\) in combination with quotation marks. For example:

> **./mwtm wall Example of the \"mwtm wall\" command.**

sends the following message:

> **Example of the "mwtm wall" command.**

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm webaccesslog

Server Only

Full Syntax

mwtm webaccesslog [**clear** | **-r**]

Command Description

Uses PAGER to display the MWTM system Web access log file for the server to which you are connected, and which is currently running the MWTM server. The system Web access log lists all MWTM system Web access messages that have been logged for the MWTM server. This provides an audit trail of all access to the MWTM server via the Web interface.

To clear the log and restart the server, enter **mwtm webaccesslog clear**.

To display the contents of the log in reverse order, with the most recent Web access messages at the beginning of the log, enter **mwtm webaccesslog -r**.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm weberrorlog

Server Only

Full Syntax

mwtm weberrorlog [**clear** | **-r**]

Command Description

Uses PAGER to display the MWTM Web server error log file for the server to which you are connected, and which is currently running the MWTM server. The Web server error log lists all MWTM Web error messages that have been logged for the MWTM Web server.

To clear the log and restart the server, enter **mwtm weberrorlog clear**.

To display the contents of the log in reverse order, with the most recent Web error messages at the beginning of the log, enter **mwtm weberrorlog -r**.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm weblogupdate

Server Only

Full Syntax

mwtm weblogupdate [*interval* | **disable**]

Command Description

Controls how often, in seconds, MWTM updates certain Web output.

When you enter this command, MWTM displays the current interval. You can then change that value, or leave it as-is. The valid range is 1 second to an unlimited number of seconds. The default value is 300 seconds (5 minutes).

To disable the update interval, enter the **mwtm weblogupdate disable** command. This option lessens MWTM's CPU usage on both the server and client.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm webnames

Server Only

Full Syntax

mwtm webnames [**display** | **real**]

Command Description

Specifies whether MWTM is to show real node names or display names in Web pages:

- **real**—Show the real DNS names of nodes in Web pages, as discovered by MWTM.

- **display**—Show display names in Web pages. Display names are new names that you specify for nodes. This is the default setting. For more information about display names, see the "Editing a Node" section on page 6-42.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm webport

Server Only

Full Syntax

mwtm webport [*port-number*]

Command Description

Sets a new port number for the Web server, where *port-number* is the new, numeric port number. MWTM verifies that the new port number is not already in use.

The new port number must contain only numbers. If you enter a port number that contains non-numeric characters, such as **mwtm13**, MWTM displays an error message and returns to the command prompt without changing the port number.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm webutil

Server Only

Full Syntax

mwtm webutil [**percent** | **erlangs**]

Command Description

Specifies whether MWTM is to display send and receive utilization for linksets and links as percentages or in Erlangs, in Web pages:

- **percent**—MWTM displays utilization as a percentage. This is the default setting.
- **erlangs**—MWTM displays utilization in Erlangs.

See the "Working with MWTM Statistics Reports" section on page 9-1 for more information on the use of this command.

You must be logged in as the root user or as a super user to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm who

Server Only

Command Description

Displays a list of all client user names and processes connected to the server.

List of MWTM Commands

- MWTM Command Reference, page C-1.

mwtm xtermpath

Server or Solaris/Linux Clients Only

Command Description

Specifies the path to the xterm application to use for xterm sessions on the MWTM client, as well as any special parameters to pass to the xterm application.

The default path is */usr/openwin/bin/xterm*.

If one of the special parameters that you pass to the xterm application is a title, the title can contain dashes (-) and underscores (_), but it cannot contain any spaces.

You must be logged in as the root user (not as a super user) to use this command.

List of MWTM Commands

- MWTM Command Reference, page C-1.