



CHAPTER 12

Viewing Administrative Information from the Web Interface

The MWTM web interface Administrative page provides access to MWTM system information, including messages, logs, status, and properties.

This section contains:

- [Viewing MWTM System Information, page 12-3](#)
- [Viewing System Messages, page 12-5](#)
- [Viewing System Status Information, page 12-9](#)
- [Viewing System Logs, page 12-11](#)
- [Viewing Properties, page 12-15](#)

To access the Administrative page of the MWTM web interface, click **Administrative** in the navigation tree in the left pane. The right pane displays the information indicated in the following table:



Note

If MWTM User-Based Access is enabled, only users with authentication level 3 (Network Operator) and higher can see all options. Users of all other levels see only the System Information and System Status panes.

Pane	GUI Elements	Description	Reference
System Information	<ul style="list-style-type: none"> • README • CHANGES • <i>(ITP only)</i> ITP OS README • <i>(IPRAN only)</i> IPRAN OS README • <i>(mSEF, CSG1 only)</i> CSG1 OS README • <i>(mSEF, CSG2 only)</i> CSG2 OS README • <i>(mSEF, GGSN only)</i> GGSN OS README • <i>(mSEF, HA only)</i> HA OS README • <i>(mSEF, BWG only)</i> BWG OS README • Export Reports README • MWTM Supported SNMP MIBs 	<ul style="list-style-type: none"> • <i>README.txt</i> file • Major new changes for the release • <i>MWTM-OS-Info-ITP</i> file • <i>MWTM-OS-Info-IPRAN</i> file • <i>MWTM-OS-Info-CSG1</i> file • <i>MWTM-OS-Info-CSG2</i> file • <i>MWTM-OS-Info-GGSN</i> file • <i>MWTM-OS-Info-HA</i> file • <i>MWTM-OS-Info-BWG</i> file • Lists of MIBs, which may include: <ul style="list-style-type: none"> – <i>(IPRAN only)</i> RAN MIBs – <i>(ITP only)</i> ITP MIBs – <i>(mSEF only)</i> CSG1 MIBs – <i>(mSEF only)</i> CSG2 MIBs – <i>(mSEF only)</i> GGSN MIBs – <i>(mSEF only)</i> BWG MIBs – <i>(mSEF only)</i> HA MIBs – Common MIBs 	For details, see Viewing MWTM System Information, page 12-3 .
System Messages	<ul style="list-style-type: none"> • Info Messages • Error Messages • User Actions • Message Archives • Console Log Archives 	Shows tabular information about different types of system messages.	For details, see Viewing System Messages, page 12-5 .

Pane	GUI Elements	Description	Reference
System Status	<ul style="list-style-type: none"> System Status System Versions Connected Clients User Accounts License Information 	Shows the output of these system commands: <ul style="list-style-type: none"> mwtm status mwtm version mwtm who mwtm users mwtm licenseinfo 	For details, see Viewing System Status Information, page 12-9 .
System Logs	<ul style="list-style-type: none"> Install Log Console Log Command Log Event Automation Log Security Log Web Access Log Web Error Log Report Log Report Timers 	Shows the contents of these system logs: <ul style="list-style-type: none"> <i>sgmConsoleLog.txt</i> <i>sgmCommandLog.txt</i> <i>eventAutomationLog.txt</i> <i>sgmSecurityLog.txt</i> <i>cisco_sgmsvr_install.log</i> <i>access_log</i> <i>error_log</i> <i>sgmReportLog.txt</i> 	For details, see Viewing System Logs, page 12-11 .
Properties	<ul style="list-style-type: none"> System Server WebConfig Reports Trap Forwarding 	Shows the contents of these system property files: <ul style="list-style-type: none"> <i>System.properties</i> <i>Server.properties</i> <i>WebConfig.properties</i> <i>Reports.properties</i> <i>TrapForwarder.properties</i> 	For details, see Viewing System Properties, page 12-15 .

Viewing MWTM System Information

Depending upon which type(s) of network you are managing, you can view the following MWTM system information from the MWTM web interface by clicking **Administrative** in the navigation tree in the left pane:

- **README**—Shows the contents of the */opt/CSCOsgm/install/README.txt* file. This file provides a brief overview of the system requirements and the tasks that are necessary to install this software release.

To access the MWTM README page, choose **README** from the **Administrative** page.

- **CHANGES**—Lists the major new features for the release.
- *(ITP only)* **ITP OS README**—Shows the contents of the */opt/CSCOsgm/install/MWTM-OS-Info-ITP* file. This file contains a list of the supported OS software images for:
 - ITP nodes

- GTT encoding scheme
- MLR address table configuration
- GTT accounting statistics reports
- Route table and GTT table deployment
- MSU rates
- ITP provisioning

To access the MWTM ITP OS README page, choose **ITP OS README** from the **Administrative** page.

- (*IPRAN only*) **IPRAN OS README**—Shows the contents of the `/opt/CSCOSgm/install/MWTM-OS-Info-IPRAN` file. This file contains a list of the supported OS software images for:
 - MWR nodes
 - ONS nodes
 - RAN SVC cards

To access the MWTM IPRAN OS README page, choose **IPRAN OS README** from the **Administrative** page.

- (*mSEF, CSG1 only*) **CSG1 OS README**—Shows the contents of the `/opt/CSCOSgm/install/MWTM-OS-Info-CSG` file. This file contains a list of the supported OS software images for CSG1.

To access the MWTM CSG1 OS README page, choose **CSG1 OS README** from the **Administrative** page.

- (*mSEF, CSG2 only*) **CSG2 OS README**—Shows the contents of the `/opt/CSCOSgm/install/MWTM-OS-Info-CSG2` file. This file contains a list of the supported OS software images for CSG2.

To access the MWTM CSG2 OS README page, choose **CSG2 OS README** from the **Administrative** page.

- (*mSEF, GGSN only*) **GGSN OS README**—Shows the contents of the `/opt/CSCOSgm/install/MWTM-OS-Info-GGSN` file. This file contains a list of the supported OS software images for GGSN.

To access the MWTM GGSN OS README page, choose **GGSN OS README** from the **Administrative** page.

- (*mSEF, HA only*) **HA OS README**—Shows the contents of the `/opt/CSCOSgm/install/MWTM-OS-Info-HA` file. This file contains a list of the supported OS software images for HA.

To access the MWTM HA OS README page, choose **HA OS README** from the **Administrative** page.

- **Export Reports README**—Shows the contents of the `/opt/CSCOSgm/install/README-ExportReports.txt` file. This file contains a list of the formats for the export files.

- (*mSEF, BWG only*) **BWG OS README**—Shows the contents of the `/opt/CSCOSgm/install/MWTM-OS-Info-BWG` file. This file contains a list of the supported OS software images for BWG.

To access the MWTM BWG OS README page, choose **BWG OS README** from the **Administrative** page.

- **MWTM Supported SNMP MIBs**—Shows a list of the MIBs (categorized by product type) on the server to which you are connected, and which is currently running the MWTM.

Each MIB appears in a list as a clickable link. You can open or download the contents of the MIB by clicking the MIB name. See [Appendix F, “MIB Reference,”](#) for a complete list and high-level description of each supported MIB.

To access the MIBs page, choose **MIBs** from the **Administrative** page of the MWTM web interface.

Viewing System Messages

You can view the following MWTM system messages from the MWTM web interface by clicking **Administrative** in the navigation tree in the left pane:



Note

These messages are related to the MWTM system itself, not to your network.

- [Viewing Info Messages, page 12-5](#)
- [Viewing All Archived MWTM Messages, page 12-8](#)
- [Viewing MWTM User Action Messages, page 12-6](#)
- [Viewing All Archived MWTM Messages, page 12-8](#)

Viewing Info Messages

You can view info messages by clicking **Administrative > Info Messages**, or **Info** from the web page menu bar, if visible.

The System Messages: Last *number* Info Messages page shows informational messages in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems.

The Last Info Messages table contains:

Column	Description
Period (in heading)	Collection period of the table, such as <i>Since Server Restart</i> .
Timestamp (in heading)	Date and time the MWTM last updated the information on the page.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	Date and time the message was logged. To sort the messages by time, click the Time heading.
Source	Source for the message, with the format <i>process.host.id</i> , where: <ul style="list-style-type: none"> • <i>process</i> is the process that logged the message. • <i>host</i> is the hostname of the process that logged the message. • <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message; or in the event that two or more clients are running on the same node, connected to the same MWTM server.

Column	Description
Task	Task, or thread, that logged the message.
Message	Text of the message. To sort the messages alphabetically by message text, click the Message heading.

Viewing Error Messages

The System Messages: Last *number* Error Messages page shows error messages stored in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems.

To access this page, click:

- **Administrative > Error Messages.**
- **Error** from the web page menu bar, if visible.

The Last Error Messages table contains:

Column	Description
Period (in heading)	Collection period of the table, such as <i>Since Server Restart</i> .
Timestamp (in heading)	Date and time the MWTM last updated the information on the page.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	Date and time the message was logged. To sort the messages by time, click the Time heading.
Source	Source for the message, with the format <i>process.host.id</i> , where: <ul style="list-style-type: none"> • <i>process</i> is the process that logged the message. • <i>host</i> is the hostname of the process that logged the message. • <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message; or in the event that two or more clients are running on the same node, connected to the same MWTM server.
Task	Task, or thread, that logged the message.
Message	Text of the message. To sort the messages alphabetically by message text, click the Message heading.

Viewing MWTM User Action Messages

The System Messages: Last *number* Action Messages page shows user action messages stored in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems, and when monitoring audit trails of user actions.

To access this page, use one of these procedures. Click:

- **Administrative > User Actions.**
- **Action** from the web page menu bar, if visible.

The MWTM shows the System Messages: Last *number* Action Messages page. The System Messages: Last *number* Action Messages page has these sections:

- [Last Action Messages Menu, page 12-7](#)
- [Last Action Messages Table, page 12-7](#)

Last Action Messages Menu

By default, the MWTM shows action messages of all classes on the System Messages: Last *number* Action Messages page. However, the MWTM provides menu options that enable you to display only messages of a specific class on the page.

The Last Action Messages menu contains:

Column	Description
Create	Opens the System Messages: Last <i>number</i> Action: specified web page:
Delete	<ul style="list-style-type: none"> • Create—Opens the Create Messages web page, showing only Create action messages.
Discover	<ul style="list-style-type: none"> • Delete—Opens the Delete Messages web page, showing only Delete action messages.
Edit	<ul style="list-style-type: none"> • Discover—Opens the Discover Messages web page, showing only Discover action messages.
Ignore	<ul style="list-style-type: none"> • Edit—Opens the Edit Messages web page, showing only Edit action messages.
OverWrite	<ul style="list-style-type: none"> • Ignore—Opens the Ignore Messages web page, showing only Ignore action messages.
Poll	<ul style="list-style-type: none"> • OverWrite—Opens the OverWrite Messages web page, showing only OverWrite action messages.
Purge	<ul style="list-style-type: none"> • Poll—Opens the Poll Messages web page, showing only Poll action messages.
LogInOut	<ul style="list-style-type: none"> • Purge—Opens the Purge Messages web page, showing only Purge action messages.
All	<ul style="list-style-type: none"> • LogInOut—Opens the LogInOut Messages web page, showing only Log in and Log out action messages.
Provision	<ul style="list-style-type: none"> • All—Opens a web page that shows all action messages. • Provision—Opens a web page that shows all provisioning messages.

Last Action Messages Table

The Last Action Messages table contains:

Column	Description
Period (in heading)	Collection period of the table, such as <code>Since Server Restart</code> .
Timestamp (in heading)	Date and time the information on the page was last updated by the MWTM.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	Date and time the message was logged. To sort the messages by time, click the Time heading.

Column	Description
Class	<p>Class of the message. Possible classes are:</p> <ul style="list-style-type: none"> • Create—Creation event, such as the creation of a seed file. • Delete—Deletion event, such as the deletion of an object or file. • Discover—Discovery event, such as Discovery beginning. • Edit—Edit event. A user has edited an object. • Ignore—Ignore event. A user has flagged a link or linkset as Ignored. • Login—Login event. A user has logged in to the MWTM. • LoginDisable—LoginDisable event. The MWTM has disabled a user's User-Based Access authentication as a result of too many failed attempts to log in to the MWTM. • LoginFail—LoginFail event. An attempt by a user to log in to the MWTM has failed. • Logout—Logout event. A user has logged out of the MWTM. • OverWrite—OverWrite event. An existing file, such as a seed file or route file, has been overwritten. • Poll—Poll event, such as an SNMP poll. • Purge—Purge event. A user has requested Discovery with Delete Existing Data chosen, and the MWTM has deleted the existing MWTM database. <p>To sort the messages by class, click the Class heading.</p>
Message	<p>Text of the message.</p> <p>To sort the messages alphabetically by message text, click the Message heading.</p>

Viewing All Archived MWTM Messages

The System Message Archives: All Messages page shows all archived messages in the MWTM system logs, including:

- error
- informational
- trace
- debug
- dump
- messages
- SNMP

To access the System Message Archives: All Messages page, use one of these options. Click:

- **Administrative > Message Archives.**
- **Archives** from the web page menu bar, if visible.

On the System Message Archives: All Messages page, messages are archived by timestamp. Each archived file contains all MWTM system messages for a single session for the server to which you are connected, and which is currently running the MWTM server. (If you restart the server, the MWTM creates a new file.)

To view archived messages, click a timestamp. The System Messages Archive: Last *number* All Messages page appears, which shows all messages that were in the system log at the specified timestamp.

**Note**

You might observe an entry labeled *messageLog-old* among a list of files that have timestamps in the filenames. A daily cron job creates the files with the timestamps. The cron job, which runs at midnight, searches through the *messageLog.txt* and *messageLog-old.txt* files for all entries from the past day. The *messageLog-old.txt* file exists only if the size of *messageLog.txt* exceeds the limit set by the [mwtm logsize](#) command. The MWTM lists the contents of *messageLog-old.txt* because it could contain important data from the day the message log file rolled over.

The Last All Messages table contains this information (without column headers):

Description	Information
Index	Message number that the MWTM assigns to the message.
Time	Date and time the message was logged.
Type	Type of message. Possible types are: <ul style="list-style-type: none"> • Action • Debug • Dump • Error • Info • SNMP • Trace
Source	Source for the message, with the format <i>process.host.id</i> , where: <ul style="list-style-type: none"> • <i>process</i> is the process that logged the message. • <i>host</i> is the hostname of the process that logged the message. • <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message; or, in the event that two or more clients are running on the same node, connected to the same MWTM server.
Task	Task, or thread, that logged the message.
Message	Text of the message.

Viewing System Status Information

You can view this MWTM system status information from the Administrative page:

- [Viewing System Status, page 12-10](#)
- [Viewing System Versions, page 12-10](#)
- [Viewing Connected Clients, page 12-10](#)
- [Viewing User Accounts, page 12-10](#)

Viewing System Status

To access system status information, click **Administrative > System Status**. (The MWTM might take a few seconds to display this page.) This page shows the status of all MWTM servers, local clients, and processes.

Viewing System Versions

To access version information, click **Administrative > System Versions**. (The MWTM might take a few seconds to display this page.) This page shows version information for all MWTM servers, clients, and processes.

Viewing Connected Clients

To access connected client information, click **Administrative > Connected Clients**. This page lists all MWTM clients that are currently connected to the MWTM server. It also lists all Solaris and Linux users that are logged in to the MWTM server.

Viewing User Accounts

To access user account information, click **Administrative > User Accounts**. This page shows information about all user accounts that have been defined for the MWTM server. If no user accounts have been defined, the MWTM shows this message:

```
User Database is Empty
```

The user accounts page displays the output of the **mwtm users** command. For example:

```
/opt/CSC0sgm/bin/mwtm users
```

```
User Name Last Login                               Level Name & Number Status
-----
User1      Wed Jan 17 14:03:13 EST 2007 System Admin    5 [Account Enabled]
User2      Unknown                               System Admin    5 [Account Enabled]
User3      Wed Jan 17 13:43:30 EST 2007 System Admin    5 [Account Enabled]
```

```
User Based Access Protection is Enabled.
```

```
Authentication type = local
```

The the **mwtm users** command output contains:

Heading	Description
User Name	The MWTM user for whom a User-Based Access account has been set up.
Last Login	Date and time the user last logged in to the MWTM.

Heading	Description
Level Name & Number	<p>Authentication level and number for the user. Valid levels and numbers are:</p> <ul style="list-style-type: none"> • Basic User, 1 • Power User, 2 • Network Operator, 3 • Network Administrator, 4 • System Administrator, 5
Status	<p>Current status of the user's account. Valid status settings are:</p> <ul style="list-style-type: none"> • Account Enabled—The account has been enabled and is functioning normally. • Account Disabled—The account has been disabled for one of these reasons: <ul style="list-style-type: none"> – A System Administrator disabled the account. See the “mwtm disablepass” section on page B-26 and the “mwtm disableuser” section on page B-26 for more information. – The MWTM disabled the account as a result of too many failed attempts to log in using the account. See the “mwtm badlogindisable” section on page B-12 for more information. – The MWTM disabled the account because it was inactive for too many days. See the “mwtm inactiveuserdays” section on page B-34 for more information.

Viewing License Information

To access license information and to verify license compliance, click **Administrative > License Information**.

MWTM displays the output from the following command:

```
/opt/CSCOSgm/bin/mwtm licenseinfo
```

When you select **Administrative > License Information**, MWTM displays the number of devices and cards that are managed by the MWTM software. For example, for an mSEF network, MWTM displays the number of 7600, 7300, and 7200 devices in addition to the number of SAMI cards. For ITP networks, MWTM displays the number of 7600, including the number of different types of cards on the 7600 device, 7300, 7200, and 2800 devices.

Viewing System Logs

From the Administrative page, you can view:

- [Viewing the Install Log, page 12-12](#)
- [Viewing the Console Log, page 12-12](#)
- [Viewing the Command Log, page 12-12](#)
- [Viewing the Event Automation Log, page 12-12](#)
- [Viewing the Security Log, page 12-13](#)
- [Viewing the Install Log, page 12-13](#)
- [Viewing the Web Access Logs, page 12-14](#)
- [Viewing the Web Error Logs, page 12-14](#)

- [Viewing the Report Log, page 12-14](#)
- [Viewing the Report Timers, page 12-14](#)

Viewing the Install Log

The Install Log shows the contents of the MWTM installation log file for the server to which you are connected, and which is currently running the MWTM.

To access the Install Log, click **Administrative > Install Log**. You can also view the Console Log with the `mwtm installlog` command.

Viewing the Console Log

The Console Log shows the contents of the MWTM system console log file for the server to which you are connected, and which is currently running the MWTM. 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. It also provides a history of start-up messages for server processes and the time each message appeared.

To access the Console Log, click **Administrative > Console Log**. You can also view the Console Log with the `mwtm console` command.

Viewing the Command Log

The Command Log shows the contents of the MWTM system command log file for the server to which you are connected, and which is currently running the MWTM server. 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 access the Command Log, click **Administrative > Command Log**. You can also view the Command Log with the `mwtm cmdlog` command.

The MWTM Command Log page appears. The Command Log table contains:

Column	Description
Timestamp	Date and time the command was logged. To sort the messages by time, click the Timestamp heading.
User Name	User who entered the command. To sort the commands by user, click the User heading.
Command	Text of the command. To sort the messages alphabetically by command text, click the Command heading.

Viewing the Event Automation Log

The Event Automation Log shows the contents of the system event automation log file for the server to which you are connected, and which is currently running the MWTM server. The system event automation log lists all messages that event automation scripts generate.

The default path and filename for the system event automation log file is */opt/CSCOs/gm/logs/eventAutomationLog.txt*. If you installed the MWTM in a directory other than */opt*, then the system event automation log file is in that directory.

To access the Event Automation Log, click **Administrative > Event Automation Log**. You can also view the Event Automation Log with the **`mwtm eventautolog`** command.

Related Topic

[Changing the Way the MWTM Processes Events, page 9-25.](#)

Viewing the Security Log

The Security Log shows the contents of the MWTM system security log file for the server to which you are connected, and which is currently running the MWTM server. The system security log lists:

- All security events that have occurred for the MWTM server
- The time each event occurred
- The user and command that triggered the event
- The text of any associated message

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

To access the Security Log, click **Administrative > Security Log**. You can also view the Security Log with the **`mwtm seclog`** command.

The Last Security Entries table contains these columns:

Column	Description
Timestamp	Date and time the security event occurred. To sort the entries by time, click the Time heading.
User	User who triggered the security event. To sort the entries by user, click the User heading.
Message	Text of the security event message. To sort the entries alphabetically by message text, click the Message heading.
Command	Text of the command that triggered the security event. To sort the entries alphabetically by command text, click the Command heading.

Viewing the Install Log

The Install Log shows the contents of the MWTM system installation log. The installation log contains messages and other information recorded during installation, which can be useful when troubleshooting problems. The Install Log also records the installer's selections (for example, whether the installer chose to configure the MWTM to receive SNMP traps).

The default path and filename for the install log file is */opt/CSCOs/gm/install/cisco_sgmsvr_install.log*. If you installed the MWTM in a directory other than */opt*, then the install log file is in that directory.

To access the Install Log, click **Administrative > Install Log**. You can also view the Install Log with the `mwtm installlog` command.

Viewing the Web Access Logs

The Web Access Logs page shows a list of web access log files for the server to which you are connected, and which is currently running the MWTM server. The web access log lists all system web access messages that have been logged for the MWTM server, providing an audit trail of all access to the MWTM server through the MWTM web interface.

The default path and filename for the web access log file is `/opt/CSCOSgm/apache/logs/access_log`. If you installed the MWTM in a directory other than `/opt`, then the web access log file is in that directory.

To access the Web Access Logs page, click **Administrative > Web Access Logs**. You can also view the Web Access Logs page using the `mwtm webaccesslog` command.

Viewing the Web Error Logs

The Web Error Logs page shows a list of web error log files for the server to which you are connected, and which is currently running the MWTM server. The web server error log lists all system web error messages that have been logged for the MWTM web server. You can use the web error log to troubleshoot the source of problems that users may have encountered while navigating the MWTM web interface.

The default path and filename for the web error log file is `/opt/CSCOSgm/apache/logs/error_log`. If you installed the MWTM in a directory other than `/opt`, then the web error log file is in that directory.

To access the Web Error Logs page, click **Administrative > Web Error Logs**. You can also view the Web Error Logs page using the `mwtm weberrorlog` command.

Viewing the Report Log

The Report Log shows the message log for ITP reports for the server to which you are connected, and which is currently running the MWTM server. You can view this log to determine the beginning and finish times for report generation. The log also records errors that occurred during report generation (for example, server connection errors).

The default path and filename for the report log file is `/opt/CSCOSgm/logs/sgmReportLog.txt`. If you installed the MWTM in a directory other than `/opt`, then the report log file is in that directory.

To access the Report Log, click **Administrative > Report Log**. You can also view the Report Log with the `mwtm replog` command.

Viewing the Report Timers

To access the Report Timers, click **Administrative > Report Timers**.

The Report Timers displays the output of the following command:

```
/opt/CSCOSgm/bin/mwtm statrep timer
```

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

Viewing Properties

Property files for the MWTM are in the */opt/CSCOSgm/properties* directory. You can view these MWTM properties from the Administrative page.

- [Viewing System Properties, page 12-15](#)
- [Viewing Server Properties, page 12-17](#)
- [Viewing Web Configuration Properties, page 12-17](#)
- [Viewing Reports Properties, page 12-19](#)
- [Viewing Trap Forwarding Properties, page 12-19](#)

Viewing System Properties

To access the System Properties file, click **Administrative > System** in the Properties pane. The MWTM shows the contents of the */opt/CSCOSgm/properties/System.properties* file.

The System Properties file contains MWTM server and client properties that control various MWTM configuration parameters.

You can change some of the system properties using MWTM commands:

To change this system property	Use this MWTM command
ATBLDIR	mwtm atbldir, page B-98
AUTO_SYNC_CONFIG	mwtm autosynconfig, page B-99
BACKUP_RMIPOORT	mwtm secondaryserver, page B-59
BACKUP_SERVER	
BACKUP_WEBPORT	
BACKUPDAYS	mwtm backupdays, page B-10
BADLOGIN_TRIES_ALARM	mwtm badloginalarm, page B-11
BADLOGIN_TRIES_DISABLE	mwtm badlogindisable, page B-12
CHART_MAX_WINDOW	mwtm chartwindow, page B-14
CONSOLE_ARCHIVE_DIR_MAX_SIZE	mwtm archivedirsize, page B-8
CONSOLE_LOG_MAX_SIZE	mwtm consolelogsize, page B-21
CSV_FIELD_DELIMITER	mwtm collectstats, page B-20
CSV_STRING_DELIMITER	
CW2K_SERVER	mwtm cwsetup, page B-21
CW2K_WEB_PORT	
CW2K_SECURE_WEB_PORT	
GTDIR	mwtm gttdir, page B-107
JSP_PORT	mwtm jspport, page B-38
LOGAGE	mwtm msglogage, page B-47
LOGDIR	mwtm msglogdir, page B-47
LOGSIZE	mwtm logsize, page B-41

To change this system property	Use this MWTM command
LOGTIMEMODE	mwtm logtimemode , page B-42
LOG_TROUBLESHOOTING	mwtm tshootlog , page B-87
MANAGE_BWG	mwtm manage , page B-43
MANAGE_CSG1	
MANAGE_CSG2	
MANAGE_GGSN	
MANAGE_HA	
MANAGE_ITP	
MANAGE_RAN-O	
PERSISTENCEDIR	mwtm datadir , page B-22
PROMPT_CREDS	mwtm logincreds , page B-41
REQUIRE_ARCHIVE_COMMENTS	mwtm deploycomments , page B-103
ROUTEDIR	mwtm routedir , page B-121
SBACKUPDIR	mwtm backupdir , page B-11
SERVER_NAME	mwtm servername , page B-60
SNMPCONFFILE	mwtm snmpconf , page B-63
SSL_ENABLE	mwtm ssl , page B-73
TFTP_ATBLPATH	mwtm atbldir , page B-98
TFTP_GTTTPATH	mwtm gtttdir , page B-107
TFTP_ROUTEPTH	mwtm routedir , page B-121
TRAP_LIST_ENABLE	mwtm trapsetup , page B-86
TRAP_PORT	
USE_TERMINAL_PROXY	mwtm termproxy , page B-84
VCS_REPOSITORY_DIR	mwtm archivedir , page B-97
WEB_PORT	mwtm webport , page B-92
WEB_BROWSER	mwtm browserpath , page B-12

For these system properties, you can view related documentation:

System Property	Related Documentation
CLIENT_PORT	Configuring Port Numbers and Parameters , page H-5
DATASERVER_PORT	
LOGINSERVER_PORT	
RMIREGISTRY_PORT	
MAX_CHART_SERIES	Displaying Backhaul Performance Statistics , page 11-23

Viewing Server Properties

To access the Server Properties file, click **Administrative > Server** in the Properties pane. The MWTM shows the contents of the `/opt/CSCOSgm/properties/Server.properties` file.

The Server Properties file contains various properties that control the MWTM server.

You can use MWTM commands to change these server properties:

To change this server property	Use this MWTM command
DEMAND_POLLER_TIMELIMIT	mwtm pollertimeout , page B-50
SNMP_MAX_ROWS	mwtm snmpwalk , page B-70
UNKNOWN_AGING_TIMEOUT	mwtm unknownage , page B-88

To change poller parameters in the Server Properties file, see the “[Changing MWTM Server Poller Settings](#)” section on page 3-2.

Viewing Web Configuration Properties

To access the Web Configuration Properties file, click **Administrative > WebConfig** in the Properties pane. The MWTM shows the contents of the `/opt/CSCOSgm/properties/WebConfig.properties` file.

The Web Configuration Properties file contains properties that control the configuration of the MWTM web interface. For example:

```
MAX_ASCII_ROWS      = 6000
MAX_HTML_ROWS      = 100

# The selectable page sizes start at MIN_SELECTABLE_PAGE_SIZE and doubles until
# the MAX_SELECTABLE_PAGE_SIZE value is reached
# (e.g. 25, 50, 100, 200, 400, 800)
MIN_SELECTABLE_PAGE_SIZE = 25
MAX_SELECTABLE_PAGE_SIZE = 800
LOG_UPDATE_INTERVAL = 300
WEB_UTIL              = percent
WEB_NAMES             = display
MAX_EV_HIST          = 15000
```

You can use the MWTM to change the web configuration properties:

Web Configuration Property	Changing Default Setting
LOG_UPDATE_INTERVAL	To control how often, in seconds, the MWTM updates certain web output, use the mwtm weblogupdate command. The valid range is 1 second to an unlimited number of seconds. The default value is 300 seconds (5 minutes).
MAX_ASCII_ROWS	To set the maximum number of rows for MWTM ASCII web output, such as displays of detailed debugging information, use the mwtm maxascirows command. The valid range is 1 row to an unlimited number of rows. The default value is 6,000 rows.

Web Configuration Property	Changing Default Setting
MAX_EV_HIST	To set the maximum number of rows for MWTM to search in the event history logs, use the mwtm maxevhist command. The event history logs are the current and archived MWTM network status logs for status change and SNMP trap messages. The 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. The valid range is 1 row to an unlimited number of rows. The default value is 15,000 rows.
MAX_HTML_ROWS	To set the maximum number of rows for MWTM HTML web output, such as displays of statistics reports, status change messages, or SNMP trap messages, use the mwtm maxhtmlrows command. This lets you select a page size (if you have not explicitly chosen a page size). Once you select a page size from any page, the MWTM remembers your preference until you delete your browser cookies. The default value is 100 rows.
MIN_SELECTABLE_PAGE_SIZE	This setting determines the minimum page size for the user to select from the Page Size drop-down menu. The page size values start with the MIN_SELECTABLE_PAGE_SIZE and double until they reach the MAX_SELECTABLE_PAGE_SIZE.
MAX_SELECTABLE_PAGE_SIZE	This setting determines the maximum page size for the user to select from the Page Size drop-down menu. The page size values start with the MIN_SELECTABLE_PAGE_SIZE and double until they reach the MAX_SELECTABLE_PAGE_SIZE.
WEB_NAMES	To specify whether the MWTM should show real DNS names or display names in web pages, enter the mwtm webnames command. To show: <ul style="list-style-type: none"> The real DNS names of nodes, as discovered by the MWTM, enter mwtm webnames real. Display names, enter mwtm webnames display. Display names are new names that you specify for nodes. This is the default setting. For more information about display names, see the “Editing Properties” section on page 6-33.
WEB_UTIL	To specify whether the MWTM should display send and receive as percentages or in Erlangs in web pages, enter the mwtm who command. To show: <ul style="list-style-type: none"> as a percentage, enter mwtm webutil percent. This is the default setting. Display in Erlangs (E), enter mwtm webutil erlangs. <p>See Displaying RAN-O Statistics, page 11-21 and Displaying Error Statistics, page 11-25 for more information.</p> <p>See Chapter 13, “Managing Reports” for more information on send and receive for linksets and links.</p>

Each of the web configuration commands requires you to be logged in as the root user, as described in the “[Becoming the Root User \(Server Only\)](#)” section on page 4-2, or as a superuser, as described in the “[Specifying a Super User \(Server Only\)](#)” section on page 2-17.

Related Topic

[Link Reports, page 13-22.](#)

Viewing Reports Properties

To access the Reports Properties file, click **Administrative > Reports** in the Properties pane. The MWTM shows the contents of the `/opt/CSCOs/gm/properties/Reports.properties` file.

The Reports Properties file contains properties that control various aspects of the reports that are available in the MWTM web interface.

You can use MWTM commands to change these reports properties:

To change this server property	Use this MWTM command
ACC_REPORTS	mwtm accstats, page B-95
DSMR_REPORTS	
GGSN_REPORTS	
GTT_REPORTS	mwtm gttstats, page B-109
LINK_REPORTS	mwtm linkstats, page B-110
MLR_REPORTS	mwtm mlrstats, page B-114
MSU_REPORTS	mwtm statreps, page B-75
Q752_REPORTS	mwtm q752stats, page B-119
RAN_REPORTS	mwtm statreps, page B-75
RPT_15MIN_AGE	mwtm repmonthlyage, page B-56
RPT_CUSTOM_AGE	mwtm repcustage, page B-120
RPT_DAILY_AGE	mwtm repdailyage, page B-54
RPT_HOURLY_AGE	mwtm rephourlyage, page B-55
RPT_RAN_AGE	mwtm statreps, page B-75
RPT_IPLINKS	mwtm statreps, page B-75
RPT_MONTHLY_AGE	mwtm restart, page B-56
RPT_NULLCAPS	mwtm statreps, page B-75
RPT_UTILRATIO	mwtm statreps, page B-75
RPT_SERVRATIO	mwtm statreps, page B-75
RPT_TIMEMODE	mwtm statreps, page B-75
STATS_REPORTS	mwtm statreps, page B-75
XUA_REPORTS	mwtm xuastats, page B-123

Viewing Trap Forwarding Properties

To access the Trap Forwarding Properties file, click **Administrative > TrapForwarding** in the Properties. The MWTM shows the contents of the `/opt/CSCOs/gm/properties/TrapForwarder.properties` file.

The Trap Forwarder Properties file contains a list of the destination addresses for the trap forwarder. Enter each destination address on its own line and use this format:

SERVER*xx=destination_IP_address[:port_number]*

The *port_number* parameter is optional.