



CHAPTER 13

Accessing MWTM Data from a Web Browser

This chapter provides information about accessing MWTM data from the MWTM Server Home Page, using a Web browser.

This chapter includes the following sections:

- [Accessing MWTM Data from the MWTM Server Home Page, page 13-1](#)
- [Changing MWTM Web Output \(Server Only\), page 13-3](#)
- [Viewing Network Status Information for MWTM, page 13-3](#)
- [Viewing MWTM System Messages, page 13-28](#)
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Accessing MWTM Data from the MWTM Server Home Page

From the MWTM Server Home Page, you can access many Web pages containing MWTM data, including server status, network status, installation logs, message logs, product documentation, Cisco.com, and other information about MWTM. You can also download the MWTM clients.

To access the MWTM Server Home page, use one of the following procedures:

- Select **View > MWTM Server > Home Page** from the MWTM Main Menu.
- Enter the following URL in a Web browser:

`http://server_name:1774`

Where *server_name* is the name or IP address of the server on which the MWTM server is running and *1774* is the Web port being using by MWTM. (**1774** is the default port number.) If you do not know the name or Web port of the MWTM Web Server, contact the system administrator who installed the MWTM server software.

- Select **Home** from the menu bar of any of the MWTM Web pages.

The MWTM Server Home Page is displayed.

The rest of this chapter provides detailed information about the MWTM information you can access from the MWTM Server Home Page.

Changing MWTM Web Output (Server Only)

MWTM enables you to change the following aspects of its Web output:

- To control how often, in seconds, 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).
- 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 6000 rows.
- 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. 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 15000 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. The valid range is 1 row to an unlimited number of rows. The default value is 200 rows.
- To specify whether MWTM is to show real node names or display names in Web pages, enter the **[mwtm webnames](#)** command:
 - To show the real DNS names of nodes, as discovered by MWTM, enter **[mwtm webnames real](#)**.
 - To show 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 a Node” section on page 6-42](#).
- To specify whether MWTM is to display send and receive utilization for interfaces as percentages or in Erlangs in Web pages, enter the **[mwtm webutil](#)** command:
 - To display utilization as a percentage, enter **[mwtm webutil percent](#)**. This is the default setting.
 - To show display utilization in Erlangs, enter **[mwtm webutil erlangs](#)**.

See the [“Working with MWTM Statistics Reports” section on page 9-1](#) for more information on send and receive utilization for interfaces.

Each of these commands requires you to be logged in as the root user, as described in the [“Becoming the Root User \(Server Only\)” section on page 3-3](#), or as a super user, as described in the [“Specifying a Super User \(Server Only\)” section on page 10-19](#).

Viewing Network Status Information for MWTM

You can view the following MWTM network status information from the MWTM Server Home Page:

- [Viewing Node Information Using a Web Browser, page 6-55](#)
- [Viewing Status Change and SNMP Trap Messages, page 13-3](#)
- [Viewing Network Status Metrics, page 13-20](#)

Viewing Status Change and SNMP Trap Messages

MWTM enables you to view the following status change and SNMP trap messages:

- [Viewing Status Change and SNMP Trap Messages for MWTM, page 13-5](#)
- [Viewing Status Change Messages for MWTM, page 13-10](#)
- [Viewing SNMP Trap Messages for MWTM, page 13-13](#)
- [Viewing All Archived Status Change and SNMP Trap Messages, page 13-17](#)
- [Viewing Archived Status Change and SNMP Trap Messages for a Specific Date, page 13-17](#)
- [Changing Network Status Message Colors, page 13-20](#)

Viewing Status Change and SNMP Trap Messages for MWTM

The Network Status: Last X Status Change and Trap Messages page displays status change messages and SNMP trap messages in the MWTM network log.

To access the Network Status: Last X Status Change and Trap Messages page and display all status change and trap messages, use one of the following procedures:

- Select **View > Event History > Status and Trap Messages** from the MWTM Main Menu.
- Select **Status & SNMP Trap Messages** from the MWTM Server Home Page.

To access the Network Status: Last X Status Change and Trap Messages page and display status change and trap messages for a specific object, right-click the object in a window, then select **Event History > Status and Trap Messages** from the right-click menu.

MWTM displays the Network Status: Last X Status Change and Trap Messages page.

The Network Status: Last X Status Change and Trap Messages page is composed of the following sections:

- [Last Status Change and Trap Messages Menus, page 13-6](#)
- [Last Status Change and Trap Messages Table, page 13-8](#)

Related Topic

- [Viewing Status Change and SNMP Trap Messages for MWTM](#)

Last Status Change and Trap Messages Menus

The Network Status: Last X Status Change and Trap Messages page provides additional menu options. These additional menu options enable you to filter the information displayed on the page, including displaying only messages of a specific type in the Last Status Change and Trap Messages table. (By default, MWTM displays status change and SNMP trap messages of all types in the table.) The following table describes the additional menu options provided by the Network Status: Last X Status Change and Trap Messages page:

Menu Command	Description
10/Page	Displays 10 rows in the table.
20/Page	Displays 20 rows in the table.
50/Page	Displays 50 rows in the table.
100/Page	Displays 100 rows in the table.
300/Page	Displays 300 rows in the table.
500/Page	Displays 500 rows in the table.
Max/Page	Displays up to 15,000 rows in the table. Note Depending on the number of rows, this could take up to 15 minutes.
DefPrefs	Resets the /Page preferences for this Web page to the default settings for the MWTM server.
Pause or Resume	Pauses or resumes the table. While the table is paused, MWTM does not display new events in the table (unless you apply an event filter or edit your event preferences). When the table is resumed, all new events since the table was paused are added to the display.
Critical	Displays only critical messages. MWTM displays administrative messages with a red background.
Major	Displays only major messages. MWTM displays warning messages with an orange background.
Minor	Displays only minor messages. MWTM displays normal messages with a yellow background.
Warning	Displays only warning messages. MWTM displays administrative messages with a blue background.
Informational	Displays only informational messages. MWTM displays error messages with an white background.

Menu Command	Description
Admin	Displays only administrative messages. MWTM displays administrative messages with a white background.
Error	Displays only error messages. MWTM displays administrative messages with a cyan background.
Normal	Displays only normal messages. MWTM displays administrative messages with a green background.
Indeterminate	Displays only messages that do not fall into one of the above classifications. MWTM displays indeterminate messages with a white background.
All	Displays all status change and SNMP trap messages.

Last Status Change and Trap Messages Table

The list of messages displayed in the Last Status Change and Trap Messages table is continually refreshed as new messages are received.

- To pause the message display, select **Pause** from the menu bar.
- To resume the message display, select **Resume** from the menu bar.

The Last Status Change and Trap Messages table contains the following columns:

Column	Description
Offset (in title)	Displays the number of rows in the table, prior to the first displayed row. For example, if the first displayed row is 501, the Offset is 500.
Severity (in header)	Message severity currently being displayed.
Update Interval (in header)	Time between automatic updates for the page.
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	<p>Date and time the message was logged.</p> <p>To sort the messages by time, click the Time header.</p> <p>To see only messages for a specific date, click the year/month/date string in the timestamp.</p> <p>To see only messages for a specific hour, click the hour string in the timestamp.</p> <p>To see only messages for a specific hour and minute, click the minute string in the timestamp.</p>
Type	<p>Type of message:</p> <ul style="list-style-type: none"> • Status—Status change message • Trap—SNMP trap message <p>To sort the messages by type, click the Type header.</p>
Message	<p>Text of the message.</p> <p>To sort the messages alphabetically by message text, click the Message header.</p>
First (at bottom of table)	<p>Displays the first page of entries for the table.</p> <p>For example, if the table is sorted by Time in descending order, clicking this field displays the newest entries.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Previous (Rows) (at bottom of table)	<p>Displays the previous page of entries for the table.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Next (Rows) (at bottom of table)	<p>Displays the next page of entries for the table.</p> <p>You cannot click this field if the last page of entries is already displayed.</p>

Column	Description
Last (at bottom of table)	Displays the last page of entries for the table. For example, if the table is sorted by Time in descending order, clicking this field displays the oldest entries. You cannot click this field if the last page of entries is already displayed.
Total (at bottom of table)	Displays the total number of entries in the table.

Viewing Status Change Messages for MWTM

The Network Status: Last X Status Change Messages page displays status change messages in the MWTM network log.

To access the Network Status: Last X Status Change Messages page and display all status change messages, use one of the following procedures:

- Select **View > Event History > Status Changes** from the MWTM Main Menu.
- Select **Status Change Messages** from the MWTM Server Home Page.

To access the Network Status: Last X Status Change Messages page and display status change messages for a specific object, right-click the object in a window, then select **Event History > Status Change Messages** from the right-click menu.

The Network Status: Last X Status Change Messages page is composed of the following sections:

- [Last Status Change Messages Menus, page 13-10](#)
- [Last Status Change Messages Table, page 13-12](#)

Last Status Change Messages Menus

The Network Status: Last X Status Change Messages page provides additional menu options. These additional menu options enable you to filter the information displayed on the page, including displaying only messages of a specific type in the Last Status Change Messages table. (By default, MWTM displays status change messages of all types in the table.) The following table describes the additional menu options provided by the Network Status: Last X Status Change Messages page:

Menu Command	Description
10/Page	Displays 10 rows in the table.
20/Page	Displays 20 rows in the table.
50/Page	Displays 50 rows in the table.
100/Page	Displays 100 rows in the table.
300/Page	Displays 300 rows in the table.
500/Page	Displays 500 rows in the table.
Max/Page	Displays up to 15,000 rows in the table. Note Depending on the number of rows, this could take up to 15 minutes.
DefPrefs	Resets the /Page preferences for this Web page to the default settings for the MWTM server.
Pause or Resume	Pauses or resumes the table. While the table is paused, MWTM does not display new events in the table (unless you apply an event filter or edit your event preferences). When the table is resumed, all new events since the table was paused are added to the display.
Critical	Displays only critical messages. MWTM displays administrative messages with a red background.
Major	Displays only major messages. MWTM displays warning messages with an orange background.
Minor	Displays only minor messages. MWTM displays normal messages with a yellow background.

Menu Command	Description
Warning	Displays only warning messages. MWTM displays administrative messages with a blue background.
Informational	Displays only informational messages. MWTM displays error messages with an white background.
Admin	Displays only administrative messages. MWTM displays administrative messages with a white background.
Error	Displays only error messages. MWTM displays administrative messages with a cyan background.
Normal	Displays only normal messages. MWTM displays administrative messages with a green background.
Indeterminate	Displays only messages that do not fall into one of the above classifications. MWTM displays indeterminate messages with a white background.
All	Displays all status change and SNMP trap messages.

Last Status Change Messages Table

The list of messages displayed in the Last Status Change Messages table is continually refreshed as new messages are received.

- To pause the message display, select **Pause** from the menu bar.
- To resume the message display, select **Resume** from the menu bar.

The Last Status Change Messages table contains the following columns:

Column	Description
Offset (in title)	Displays the number of rows in the table, prior to the first displayed row. For example, if the first displayed row is 501, the Offset is 500.
Severity (in header)	Message severity currently being displayed.
Update Interval (in header)	Time between automatic updates for the page.
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	<p>Date and time the message was logged.</p> <p>To sort the messages by time, click the Time header.</p> <p>To see only messages for a specific date, click the year/month/date string in the timestamp.</p> <p>To see only messages for a specific hour, click the hour string in the timestamp.</p> <p>To see only messages for a specific hour and minute, click the minute string in the timestamp.</p>
Message	<p>Text of the message.</p> <p>To sort the messages alphabetically by message text, click the Message header.</p>
First (at bottom of table)	<p>Displays the first page of entries for the table.</p> <p>For example, if the table is sorted by Time in descending order, clicking this field displays the newest entries.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Previous (Rows) (at bottom of table)	<p>Displays the previous page of entries for the table.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Next (Rows) (at bottom of table)	<p>Displays the next page of entries for the table.</p> <p>You cannot click this field if the last page of entries is already displayed.</p>
Last (at bottom of table)	<p>Displays the last page of entries for the table.</p> <p>For example, if the table is sorted by Time in descending order, clicking this field displays the oldest entries.</p> <p>You cannot click this field if the last page of entries is already displayed.</p>
Total (at bottom of table)	Displays the total number of entries in the table.

Viewing SNMP Trap Messages for MWTM

The Network Status: Last X SNMP Trap Messages page displays SNMP trap messages in the MWTM network log.

To access the Network Status: Last X SNMP Trap Messages page and display all SNMP trap messages, use one of the following procedures:

- Select **View > Event History > SNMP Trap Messages** from the MWTM Main Menu.
- Select **SNMP Trap Messages** from the MWTM Server Home Page.

To access the Network Status: Last X SNMP Trap Messages page and display SNMP trap messages for a specific object, right-click the object in a window, then select **Event History > SNMP Trap Messages** from the right-click menu.

The Network Status: Last X SNMP Trap Messages page is composed of the following sections:

- [Last SNMP Trap Messages Menus, page 13-14](#)
- [Last SNMP Trap Messages Table, page 13-15](#)

Last SNMP Trap Messages Menus

The Network Status: Last X SNMP Trap Messages page provides additional menu options. These additional menu options enable you to filter the information displayed on the page, including displaying only messages of a specific type in the Last SNMP Trap Messages table. (By default, MWTM displays SNMP trap messages of all types in the table.) The following table describes the additional menu options provided by the Network Status: Last X SNMP Trap Messages page:

Menu Command	Description
10/Page	Displays 10 rows in the table.
20/Page	Displays 20 rows in the table.
50/Page	Displays 50 rows in the table.
100/Page	Displays 100 rows in the table.
300/Page	Displays 300 rows in the table.
500/Page	Displays 500 rows in the table.
Max/Page	Displays up to 15,000 rows in the table. Note Depending on the number of rows, this could take up to 15 minutes.
DefPrefs	Resets the /Page preferences for this Web page to the default settings for the MWTM server.
Pause or Resume	Pauses or resumes the table. While the table is paused, MWTM does not display new events in the table (unless you apply an event filter or edit your event preferences). When the table is resumed, all new events since the table was paused are added to the display.
Critical	Displays only critical messages. MWTM displays administrative messages with a red background.
Major	Displays only major messages. MWTM displays warning messages with an orange background.
Minor	Displays only minor messages. MWTM displays normal messages with a yellow background.
Warning	Displays only warning messages. MWTM displays administrative messages with a blue background.
Informational	Displays only informational messages. MWTM displays error messages with a white background.
Admin	Displays only administrative messages. MWTM displays administrative messages with a white background.
Error	Displays only error messages. MWTM displays administrative messages with a cyan background.
Normal	Displays only normal messages. MWTM displays administrative messages with a green background.
Indeterminate	Displays only messages that do not fall into one of the above classifications. MWTM displays indeterminate messages with a white background.
All	Displays all status change and SNMP trap messages.

Last SNMP Trap Messages Table

The list of messages displayed in the Last SNMP Trap Messages table is continually refreshed as new messages are received.

- To pause the message display, select **Pause** from the menu bar.
- To resume the message display, select **Resume** from the menu bar.

The Last SNMP Trap Messages table contains the following columns:

Column	Description
Offset (in title)	Displays the number of rows in the table, prior to the first displayed row. For example, if the first displayed row is 501, the Offset is 500.
Severity (in header)	Message severity currently being displayed.
Update Interval (in header)	Time between automatic updates for the page.
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	<p>Date and time the message was logged.</p> <p>To sort the messages by time, click the Time header.</p> <p>To see only messages for a specific date, click the year/month/date string in the timestamp.</p> <p>To see only messages for a specific hour, click the hour string in the timestamp.</p> <p>To see only messages for a specific hour and minute, click the minute string in the timestamp.</p>
Node	<p>Node that sent the trap.</p> <p>To see only SNMP trap messages for that node, click the node name.</p>
Message	Text of the message.
First (at bottom of table)	<p>Displays the first page of entries for the table.</p> <p>For example, if the table is sorted by Time in descending order, clicking this field displays the newest entries.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Previous (Rows) (at bottom of table)	<p>Displays the previous page of entries for the table.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Next (Rows) (at bottom of table)	<p>Displays the next page of entries for the table.</p> <p>You cannot click this field if the last page of entries is already displayed.</p>

Column	Description
Last (at bottom of table)	<p>Displays the last page of entries for the table.</p> <p>For example, if the table is sorted by Time in descending order, clicking this field displays the oldest entries.</p> <p>You cannot click this field if the last page of entries is already displayed.</p>
Total (at bottom of table)	<p>Displays the total number of entries in the table.</p>

Viewing All Archived Status Change and SNMP Trap Messages

The Network Status Daily Archives: Status and SNMP Trap Messages page displays all archived status change and SNMP trap messages.

To access the Network Status Daily Archives: Status and SNMP Trap Messages page, use one of the following procedures:

- Select **View > Event History > Network Status Archives** from the MWTM Main Menu.
- Select **Network Status Daily Archives** from the MWTM Server Home Page.

The Network Status Daily Archives: Status and SNMP Trap Messages page provides the following menu options:

Menu Command	Description
Home	Opens the MWTM Server Home Page.
Current Status + Trap	Opens the Network Status: Last X Status Change and Trap Messages Web page.
Current Status	Opens the Network Status: Last X Status Change Messages Web page.
Current Trap	Opens the Network Status: Last X SNMP Trap Messages Web page.
Archives	Opens the Network Status Daily Archives: Status and SNMP Trap Messages Web page.
Metrics	Opens the Network Status Messages: Metrics Web page.
Dashboard	Opens the MWTM Network Status Log: Dashboard Web page.
Help	Opens an online help window for the current Web page.

On the Network Status Daily Archives: Status and SNMP Trap Messages page, messages are archived by timestamp. MWTM automatically archives the messages at 1:30 AM each night; each archived file contains messages from a single calendar day.

To view archived messages, click a timestamp. MWTM displays the Network Status Archive: Last X Status Change and Trap Messages Page for that timestamp. See the [“Viewing Archived Status Change and SNMP Trap Messages for a Specific Date”](#) section on page 13-17 for more information.

Viewing Archived Status Change and SNMP Trap Messages for a Specific Date

From the Network Status Archive: Last X Status Change and Trap Messages page, you can view all archived status change and SNMP trap messages for a specified date.

To access the Network Status Archive: Last X Status Change and Trap Messages page, click a date on the Network Status Daily Archives: Status and SNMP Trap Messages page. MWTM displays the archived messages for that timestamp.

The Network Status Archive: Last X Status Change and Trap Messages page is composed of the following sections:

- [Last Status Change and Trap Messages Menus, page 13-18](#)
- [Last Status Change and Trap Messages Table, page 13-19](#)

Last Status Change and Trap Messages Menus

The Network Status Archive: Last X Status Change and Trap Messages page provides additional menu options. These additional menu options enable you to filter the information displayed on the page, including displaying only messages of a specific type in the Last Status Change and Trap Messages table. (By default, MWTM displays status change and SNMP trap messages of all types in the table.) The following table describes the additional menu options provided by the Network Status Archive: Last X Status Change and Trap Messages page:

Menu Command	Description
10/Page	Displays 10 rows in the table.
20/Page	Displays 20 rows in the table.
50/Page	Displays 50 rows in the table.
100/Page	Displays 100 rows in the table.
300/Page	Displays 300 rows in the table.
500/Page	Displays 500 rows in the table.
Max/Page	Displays up to 15,000 rows in the table. Note Depending on the number of rows, this could take up to 15 minutes.
DefPrefs	Resets the /Page preferences for this Web page to the default settings for the MWTM server.
Pause or Resume	Pauses or resumes the table. While the table is paused, MWTM does not display new events in the table (unless you apply an event filter or edit your event preferences). When the table is resumed, all new events since the table was paused are added to the display.
Critical	Displays only critical messages. MWTM displays administrative messages with a red background.
Major	Displays only major messages. MWTM displays warning messages with an orange background.
Minor	Displays only minor messages. MWTM displays normal messages with a yellow background.
Warning	Displays only warning messages. MWTM displays administrative messages with a blue background.
Informational	Displays only informational messages. MWTM displays error messages with a white background.
Admin	Displays only administrative messages. MWTM displays administrative messages with a white background.
Error	Displays only error messages. MWTM displays administrative messages with a cyan background.
Normal	Displays only normal messages. MWTM displays administrative messages with a green background.
Indeterminate	Displays only messages that do not fall into one of the above classifications. MWTM displays indeterminate messages with a white background.
All	Displays all status change and SNMP trap messages.

Last Status Change and Trap Messages Table

The Last Status Change and Trap Messages table contains the following columns:

Column	Description
Offset (in title)	Displays the number of rows in the table, prior to the first displayed row. For example, if the first displayed row is 501, the Offset is 500.
Date of the Archive (in header)	Date the information in the table was archived.
Severity (in header)	Message severity displayed in the table.
Timestamp (in header)	Date and time the page was displayed.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Time	<p>Date and time the message was logged.</p> <p>To sort the messages by time, click the Time header.</p> <p>To see only messages for a specific date, click the year/month/date string in the timestamp.</p> <p>To see only messages for a specific hour, click the hour string in the timestamp.</p> <p>To see only messages for a specific hour and minute, click the minute string in the timestamp.</p>
Type	<p>Type of message:</p> <ul style="list-style-type: none"> • Status—Status change message • Trap—SNMP trap message <p>To sort the messages by type, click the Type header.</p>
Message	<p>Text of the message.</p> <p>To sort the messages alphabetically by message text, click the Message header.</p>
First (at bottom of table)	<p>Displays the first page of entries for the table.</p> <p>For example, if the table is sorted by Time in descending order, clicking this field displays the newest entries.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Previous (Rows) (at bottom of table)	<p>Displays the previous page of entries for the table.</p> <p>You cannot click this field if the first page of entries is already displayed.</p>
Next (Rows) (at bottom of table)	<p>Displays the next page of entries for the table.</p> <p>You cannot click this field if the last page of entries is already displayed.</p>

Column	Description
Last (at bottom of table)	Displays the last page of entries for the table. For example, if the table is sorted by Time in descending order, clicking this field displays the oldest entries. You cannot click this field if the last page of entries is already displayed.
Total (at bottom of table)	Displays the total number of entries in the table.

Changing Network Status Message Colors

By default, MWTM displays network status messages with the following background colors:

- **Informational**—white background
- **Normal**—green background
- **Indeterminate**—cyan background
- **Warning**—blue background
- **Critical**—red background
- **Minor**—yellow background
- **Major**—orange background
- **Unclassified**—white background

For information about customizing the background colors for network status messages, see the [“Changing Event Severities and Colors” section on page 5-24](#).

Viewing Network Status Metrics

The Network Status Messages: Metrics page displays a number of metrics for MWTM, based on the number of messages of each type and severity received by MWTM.

To access the Network Status Messages: Metrics page and display all metrics, use one of the following procedures:

- Select **View > Event History > Network Status Metrics** from the MWTM Main Menu.
- Select **Network Status Metrics** from the MWTM Server Home Page.

To access the Network Status Messages: Metrics page and display metrics for a specific object, right-click the object in a window, then select **Event History > Network Status Metrics** from the right-click menu.

The Network Status Messages: Metrics page is composed of the following sections:

- [Message Types Table, page 13-22](#)
- [Message Severity Table, page 13-23](#)
- [Status Messages Table, page 13-24](#)
- [Trap Messages Table, page 13-25](#)
- [Messages/Day Table, page 13-26](#)
- [Status Change Messages/Day Table, page 13-26](#)

- [SNMP Trap Messages/Day Table, page 13-27](#)
- [Files Processed Table, page 13-27](#)
- [Date Range Table, page 13-27](#)

Message Types Table

The Message Types table contains the following columns:

Column	Description
Message Types	Total number of messages of each type received by MWTM. Possible types are: <ul style="list-style-type: none">• Total Messages—Total number of messages of all types received by MWTM.• Total Status—Total number of status change messages received by MWTM.• Total Traps—Total number of SNMP trap messages received by MWTM.
Num	Number of messages of each type received by MWTM.
Num/Total	Number of messages of a given type received by MWTM, divided by the total number of messages received by MWTM, displayed as a percentage.

Message Severity Table

The Message Severity table contains the following columns:

Column	Description
Message Severity	<p>Total number of messages (status change messages and SNMP trap messages) of each severity received by MWTM:</p> <ul style="list-style-type: none"> • Total Warning—Total number of Warning messages received by MWTM. • Total Normal—Total number of Normal messages received by MWTM. • Total Unclass—Total number of Unclass (unclassified) messages received by MWTM. • Total Minor—Total number of Minor messages received by MWTM. • Total Major—Total number of Major messages received by MWTM. • Total Informational—Total number of Informational messages received by MWTM. • Total Error—Total number of Error messages received by MWTM. • Total Critical—Total number of Critical messages received by MWTM. • Total Admin—Total number of Admin messages received by MWTM.
Num	Number of messages of each severity received by MWTM.
Num/Total	Number of messages of a given severity received by MWTM, divided by the total number of messages received by MWTM, displayed as a percentage.

Status Messages Table

The Status Messages table contains the following columns:

Column	Description
Message Types	<p>Total number of status messages of each severity received by MWTM. Possible severities are:</p> <ul style="list-style-type: none"> • Status Informational—Total number of Informational status messages received by MWTM. • Status Major—Total number of Major status messages received by MWTM. • Status Normal—Total number of Normal status messages received by MWTM. • Status Warning—Total number of Warning status messages received by MWTM. • Status Minor—Total number of Minor status messages received by MWTM. • Status Critical—Total number of Critical status messages received by MWTM. • Status Unclass—Total number of Unclass (unclassified) status messages received by MWTM. • Status Error—Total number of Error status messages received by MWTM. • Status Admin—Total number of Admin status messages received by MWTM.
Num	Number of status change messages of each severity received by MWTM.
Num/Status	Number of status change messages of a given severity received by MWTM, divided by the total number of status change messages received by MWTM, displayed as a percentage.
Num/Total	Number of status change messages of a given severity received by MWTM, divided by the total number of messages (status change messages and SNMP trap messages) received by MWTM, displayed as a percentage.

Trap Messages Table

The Trap Messages table contains the following columns:

Column	Description
Message Types	<p>Total number of trap messages of each severity received by MWTM. Possible severities are:</p> <ul style="list-style-type: none"> • Trap Warning—Total number of Warning trap messages received by MWTM. • Trap Unclass—Total number of Unclass trap messages received by MWTM. • Trap Normal—Total number of Normal trap messages received by MWTM. • Trap Minor—Total number of Minor trap messages received by MWTM. • Trap Major—Total number of Major trap messages received by MWTM. • Trap Informational—Total number of Informational trap messages received by MWTM. • Trap Error—Total number of Error trap messages received by MWTM. • Trap Critical—Total number of Critical trap messages received by MWTM. • Trap Admin—Total number of Admin trap messages received by MWTM.
Num	Number of trap messages of each severity received by MWTM.
Num/Trap	Number of trap messages of a given severity received by MWTM, divided by the total number of trap messages received by MWTM, displayed as a percentage.
Num/Total	Number of trap messages of a given severity received by MWTM, divided by the total number of messages (status change messages and trap messages) received by MWTM, displayed as a percentage.

Messages/Day Table

The Messages/Day table contains the following columns:

Column	Description
Day	Date for which metrics are calculated.
NumMsgs	Total number of messages received by MWTM on a given day.
NumMsgs/TotalMsgs	Number of messages received by MWTM on a given day, divided by the total number of messages (status change messages and SNMP trap messages) received by MWTM on all days, displayed as a percentage.

Status Change Messages/Day Table

The Status Change Messages/Day table contains the following columns:

Column	Description
Day	Date for which metrics are calculated.
NumStatMsgs	Total number of status change messages received by MWTM on a given day.
NumStatMsgs/TotalMsgs	Number of status change messages received by MWTM on a given day, divided by the total number of messages (status change messages and SNMP trap messages) received by MWTM on all days, displayed as a percentage.
NumStatMsgs/TotalStatMsgs	Number of status change messages received by MWTM on a given day, divided by the total number of status change messages received by MWTM on all days, displayed as a percentage.

SNMP Trap Messages/Day Table

The Status Change Messages/Day table contains the following columns:

Column	Description
Day	Date for which metrics are calculated.
NumTrapMsgs	Total number of SNMP trap messages received by MWTM on a given day.
NumTrapMsgs/TotalMsgs	Number of SNMP trap messages received by MWTM on a given day, divided by the total number of messages (status change messages and SNMP trap messages) received by MWTM on all days, displayed as a percentage.
NumTrapMsgs/TotalTrapMsgs	Number of SNMP trap messages received by MWTM on a given day, divided by the total number of SNMP trap messages received by MWTM on all days, displayed as a percentage.

Files Processed Table

The Files Processed table lists all files that have been processed by MWTM.

Date Range Table

The Date Range table displays the date and time when MWTM began collecting metrics, and the date and time of the most recent metrics.

Viewing MWTM System Messages

You can view the following MWTM system messages from the MWTM Server Home Page.

**Note**

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

- [Viewing MWTM Error Messages, page 13-29](#)
- [Viewing MWTM Info Messages, page 13-29](#)
- [Viewing MWTM Action Messages, page 13-30](#)
- [Viewing MWTM Trace Messages, page 13-32](#)
- [Viewing MWTM Debug Messages, page 13-34](#)
- [Viewing MWTM Dump Messages, page 13-34](#)
- [Viewing MWTM SNMP Messages, page 13-35](#)
- [Viewing All Current MWTM Messages, page 13-36](#)
- [Viewing All Archived MWTM Messages, page 13-37](#)
- [Viewing the MWTM System Console Log, page 13-38](#)
- [Viewing All Archived MWTM System Console Log Messages, page 13-39](#)
- [Viewing the MWTM System Command Log, page 13-40](#)
- [Viewing the MWTM System Event Automation Log, page 13-40](#)
- [Viewing the MWTM System Security Log, page 13-41](#)
- [Viewing the MWTM System Web Access Log, page 13-41](#)
- [Viewing the MWTM System Web Server Error Log, page 13-42](#)

Viewing MWTM Error Messages

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

To access the System Messages: Last X Error Messages page, use one of the following procedures:

- Select **System Error Messages** from the MWTM Server Home Page.
- Select **Error** from the menu bar of any MWTM System Messages Web page.

The Last Error Messages table contains the following columns:

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by 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 header.
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 host name of the process that logged the message.• <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, 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 header.

Viewing MWTM Info Messages

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

To access the System Messages: Last X Info Messages page, select **System Info Messages** from the MWTM Server Home Page, or **Info** from the Web page menu bar, if shown.

The Last Info Messages table contains the following columns:

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by 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 header.
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 host name of the process that logged the message. <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, 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 header.

Viewing MWTM Action Messages

The System Messages: Last X Action Messages page displays 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 the System Messages: Last X Action Messages page, use one of the following procedures:

- Select **View > User Audit > User Actions** from the MWTM Main Menu.
- Select **System User Actions** from the MWTM Server Home Page.
- Select **Action** from the menu bar of any MWTM System Messages Web page.

MWTM displays the System Messages: Last X Action Messages page.

The System Messages: Last X Action Messages page is composed of the following sections:

- [Last Action Messages Menu, page 13-30](#)
- [Last Action Messages Table, page 13-32](#)

Last Action Messages Menu

By default, MWTM displays action messages of all classes on the System Messages: Last X Action Messages page. However, menu options are provided that enable you to display only messages of a specific class on the page.

The Last Action Messages menu contains the following options:

Column	Description
Create	Opens the System Messages: Last X Action: Create Messages Web page, which displays only Create action messages.
Delete	Opens the System Messages: Last X Action: Delete Messages Web page, which displays only Delete action messages.
Discover	Opens the System Messages: Last X Action: Discover Messages Web page, which displays only Discover action messages.
Edit	Opens the System Messages: Last X Action: Edit Messages Web page, which displays only Edit action messages.
Ignore	Opens the System Messages: Last X Action: Ignore Messages Web page, which displays only Ignore action messages.
OverWrite	Opens the System Messages: Last X Action: OverWrite Messages Web page, which displays only OverWrite action messages.
Poll	Opens the System Messages: Last X Action: Poll Messages Web page, which displays only Poll action messages.
Purge	Opens the System Messages: Last X Action: Purge Messages Web page, which displays only Purge action messages.
LogInOut	Opens the System Messages: Last X Action: LogInOut Messages Web page, which displays only Login and Logout action messages.
All	Opens the System Messages: Last X Action Messages Web page, which displays all action messages.

Last Action Messages Table

The Last Action Messages table contains the following columns:

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by 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 header.
Class	Class of the message. Possible classes are: <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 MWTM. • LoginDisable—LoginDisable event. MWTM has disabled a user's User-Based Access authentication as a result of too many failed attempts to log in to MWTM. • LoginFail—LoginFail event. An attempt by a user to log in to MWTM has failed. • Logout—Logout event. A user has logged out of 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 selected, and MWTM has deleted the existing MWTM database. To sort the messages by class, click the Class header.
Message	Text of the message. To sort the messages alphabetically by message text, click the Message header.

Viewing MWTM Trace Messages

The System Messages: Last X Trace Messages page displays trace messages stored in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems.

To access the System Messages: Last X Trace Messages page, select **System Error Messages** from the MWTM Server Home Page, then select **Trace** from the menu bar.

The Last Trace Messages table contains the following information (without column headers):

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Index	Message number, assigned to the message by MWTM.
Time	Date and time the message was logged.
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 host name of the process that logged the message.• <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, connected to the same MWTM server.
Task	Task, or thread, that logged the message.
Message	Text of the message.

Viewing MWTM Debug Messages

The System Messages: Last X Debug Messages page displays debug messages stored in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems.

To access the System Messages: Last X Debug Messages page, select **System Error Messages** from the MWTM Server Home Page, then select **Debug** from the menu bar.


Note

The **Debug** option is displayed only when enabled at the request of Cisco TAC.

The Last Debug Messages table contains the following information (without column headers):

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Index	Message number, assigned to the message by MWTM.
Time	Date and time the message was logged.
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 host name of the process that logged the message. <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, connected to the same MWTM server.
Task	Task, or thread, that logged the message.
Message	Text of the message.

Viewing MWTM Dump Messages

The System Messages: Last X Dump Messages page displays dump messages stored in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems.

To access the System Messages: Last X Dump Messages page, select **System Error Messages** from the MWTM Server Home Page, then select **Dump** from the menu bar.


Note

The **Dump** option is displayed only when enabled at the request of Cisco TAC.

The Last Dump Messages table contains the following information (without column headers):

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Index	Message number, assigned to the message by MWTM.
Time	Date and time the message was logged.
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 host name of the process that logged the message. <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, connected to the same MWTM server.
Task	Task, or thread, that logged the message.
Message	Text of the message.

Viewing MWTM SNMP Messages

The System Messages: Last X SNMP Messages page displays SNMP messages stored in the MWTM system log. These messages can be useful when diagnosing and correcting MWTM operational problems.



Note

These are not SNMP trap messages. These are debugging messages from internal, low-level SNMP encoding and decoding routines.

To access the System Messages: Last X SNMP Messages page, select **System Error Messages** from the MWTM Server Home Page, then select **SNMP** from the menu bar.



Note

The **SNMP** option is displayed only when enabled at the request of Cisco TAC.

The Last SNMP Messages table contains the following information (without column headers):

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Index	Message number, assigned to the message by MWTM.
Time	Date and time the message was logged. To sort the messages by time, click the Time header.

Column	Description
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 host name of the process that logged the message. <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, 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 header.

Viewing All Current MWTM Messages

The System Messages: Last X All Messages page displays all current messages in the MWTM system log.

To access the System Messages: Last X All Messages page, select **System Error Messages** from the MWTM Server Home Page, then select **All** from the menu bar.

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

Column	Description
Period (in header)	Collection period of the table, such as Since Server Restart .
Timestamp (in header)	Date and time the information on the page was last updated by MWTM.
Index	Message number, assigned to the message by MWTM.
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 host name of the process that logged the message. <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, connected to the same MWTM server.

Column	Description
Task	Task, or thread, that logged the message.
Message	Text of the message.

Viewing All Archived MWTM Messages

The System Message Archives: All Messages page displays all archived messages in the MWTM system logs, including error messages, informational messages, trace messages, debug messages, dump messages, and SNMP messages.

To access the System Message Archives: All Messages page, use one of the following procedures:

- Select **System Message Archives** from the MWTM Server Home Page.
- Select **Archives** from the menu bar of any MWTM System Messages Web page.

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, MWTM creates a new file.)

To view archived messages, click a timestamp. MWTM displays the System Messages Archive: Last X All Messages page, which displays all messages that were in the ITP system log at the specified timestamp.

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

Column	Description
Index	Message number, assigned to the message by MWTM.
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 host name of the process that logged the message. • <i>id</i> is an MWTM ID that uniquely identifies the process that logged the message, in the event that there are two or more clients running on the same device, connected to the same MWTM server.
Task	Task, or thread, that logged the message.
Message	Text of the message.

Viewing the MWTM System Console Log

The MWTM System Console Log page displays the contents of the MWTM system console log file for the server to which you are connected, and which is currently running the MWTM server. 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.

To access the MWTM System Console Log page, use one of the following procedures:

- Select **System Console Log** from the MWTM Server Home Page.
- Select **Console** from the menu bar of any MWTM System Messages Web page.

Viewing All Archived MWTM System Console Log Messages

The MWTM System Console Archives: All Messages page displays all archived MWTM system console log messages for the server to which you are connected, and which is currently running the MWTM server. The archived console logs contain unexpected error and warning messages from the MWTM server, such as those that might occur if the MWTM server cannot start.

To access the MWTM System Console Archives: All Messages page, select **Console Archives** from the menu bar of any MWTM System Messages Web page.

On the MWTM System Console Archives: All Messages page, messages are archived by timestamp. Each archived file contains all MWTM system console log 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, MWTM creates a new file.)

To view archived messages, click a timestamp. MWTM displays the Console Archive: Last X All Messages page. This page displays the contents of the MWTM system console log file for the server to which you are connected, at the specified timestamp. 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.

Viewing the MWTM System Command Log

The MWTM System Command Log: Last X Commands page displays 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 MWTM System Command Log: Last X Commands page, use one of the following procedures:

- Select **View > User Audit > Command Log** from the MWTM Main Menu.
- Select **System Command Log** from the MWTM Server Home Page.

MWTM displays the MWTM System Command Log: Last X Commands page.

The MWTM System Command Log: Last X Commands table contains the following columns:

Column	Description
Last Updated (in header)	Date and time the information on the page was last updated by MWTM.
Row	Command number, assigned to the command by MWTM.
Time	Date and time the command was logged. To sort the messages by time, click the Time header.
User	User who entered the command. To sort the commands by user, click the User header.
Command	Text of the command. To sort the messages alphabetically by command text, click the Command header.

Viewing the MWTM System Event Automation Log

The MWTM System Event Automation Log page displays the contents of the MWTM 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 generated by scripts launched by event automation.

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

To access the MWTM System Event Automation Log page, use one of the following procedures:

- Select **System Event Automation Log** from the MWTM Server Home Page.
- Select **EventAuto** from the menu bar of any MWTM System Messages Web page.

Related Topic

- [Changing the Way MWTM Processes Events, page 5-17](#)

Viewing the MWTM System Security Log

The MWTM System Security Log: Last X Entries page displays 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 MWTM security events that have occurred for the MWTM server, the time each event occurred, the user and command that triggered the event, and 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 MWTM in a directory other than */opt*, then the system security log file is located in that directory.

To access the MWTM System Security Log: Last X Entries page, use one of the following procedures:

- Select **View > User Audit > Security Log** from the MWTM Main Menu.
- Select **System Security Log** from the MWTM Server Home Page.

The Last Security Entries table contains the following columns:

Column	Description
Last Updated (in header)	Date and time the information on the page was last updated by MWTM.
Row	Entry number, assigned to the security event entry by MWTM.
Time	Date and time the security event occurred. To sort the entries by time, click the Time header.
User	User who triggered the security event. To sort the entries by user, click the User header.
Message	Text of the security event message. To sort the entries alphabetically by message text, click the Message header.
Command	Text of the command that triggered the security event. To sort the entries alphabetically by command text, click the Command header.

Related Topic

- [Viewing All Current MWTM Messages](#)

Viewing the MWTM System Web Access Log

The MWTM System Web Access Log: Last X Messages page displays the contents of 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 access the MWTM System Web Access Log: Last X Messages page, select **System Web Access Log** from the MWTM Server Home Page, or enter the **mwtm webaccesslog** command. (You must be logged in as the root user or as a super user to use the **mwtm webaccesslog** command.)

Related Topic

- [Viewing All Current MWTM Messages](#)

The Last Web Access Messages table contains the following columns:

Column	Description
Last Updated (in header)	Date and time the information on the page was last updated by MWTM.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Message	Text of the Web access message.

Viewing the MWTM System Web Server Error Log

The MWTM System Web Server Error Log: Last X Messages page displays the contents of the MWTM system Web server error log file for the server to which you are connected, and which is currently running the MWTM server. The system Web server error log lists all MWTM system Web error messages that have been logged for the MWTM Web server.

To access the MWTM System Web Server Error Log: Last X Messages page, select **System Web Server Errors** from the MWTM Server Home Page, or enter the **mwtm weberrorlog** command. (You must be logged in as the root user or as a super user to use the **mwtm weberrorlog** command.)

Related Topic

- [Viewing All Current MWTM Messages](#)

The Last Web Server Error Messages table contains the following columns:

Column	Description
Last Updated (in header)	Date and time the information on the page was last updated by MWTM.
Row	Unique number identifying each entry in the table. You cannot edit this field.
Message	Text of the Web server error message.

Viewing Statistics Reports

You can view the following MWTM statistics reports for network objects from the MWTM Server Home Page:

- [Viewing RAN Backhaul Utilization Statistics Report, page 9-1](#)

Viewing System Status Information for MWTM

You can view the following MWTM system status information from the MWTM Server Home Page:

- [Viewing Status Information for MWTM, page 13-43](#)
- [Viewing Version Information for MWTM, page 13-43](#)

- [Viewing MWTM Client Information, page 13-43](#)
- [Viewing MWTM User Account Information, page 13-44](#)
- [Viewing MWTM Object Counts, page 13-46](#)
- [Viewing the Troubleshooting Log for MWTM \(Server Only\), page 13-46](#)

Viewing Status Information for MWTM

The MWTM System Status page displays the status of all MWTM servers, local clients, and processes. To access the MWTM System Status page, select **System Status** from the MWTM Server Home Page, or from the menu bar of any System Status Web page. (MWTM might take a few seconds to display this page.)

Viewing Version Information for MWTM

The MWTM System Versions page displays version information for all MWTM servers, clients, and processes. To access the MWTM System Versions page, select **System Versions** from the MWTM Server Home Page, or from the menu bar of any System Status Web page. (MWTM might take a few seconds to display this page.)

Viewing MWTM Client Information

The MWTM System Connected Clients page lists all MWTM clients that are currently connected to the MWTM server. It also lists all Solaris/Linux users that are logged in to the MWTM server.

To access the MWTM System Connected Clients page, use one of the following procedures:

- Select **View > User Audit > Connected Clients** from the MWTM Main Menu.
- Select **Connected Clients** from the MWTM Server Home Page.
- Select **Clients** from the menu bar of any MWTM System Status Web page.

Viewing MWTM User Account Information

The MWTM User Accounts page displays information about all user accounts that have been defined for the MWTM server. If no user accounts have been defined, MWTM displays the message, “User Database is Empty.”

To access the MWTM User Accounts page, use one of the following procedures:

- Select **View > User Audit > User Accounts** from the MWTM Main Menu.
- Select **System User Accounts** from the MWTM Server Home Page.
- Select **Users** from the menu bar of any MWTM System Status Web page.

To sort the MWTM User Accounts page based on the contents of any column, click the column header.

The MWTM User Accounts table contains the following columns:

Column	Description
Server Name (in header)	Name of the MWTM server for which user accounts are being displayed.
User	MWTM user for whom a User-Based Access account has been set up. To sort the entries by alphabetically user, click the User header.
Last Login	Date and time the user last logged in to MWTM. To sort the entries by last login time, click the Last Login header.
Level Name	Authentication level for the user. Valid levels are: <ul style="list-style-type: none"> • Basic User • Power User • Network Operator • Network Administrator • System Administrator To sort the entries alphabetically by level name, click the Level Name header.

Column	Description
Level Number	<p>Authentication level for the user, expressed as a number. Valid levels are:</p> <ul style="list-style-type: none"> • 1—Basic User • 2—Power User • 3—Network Operator • 4—Network Administrator • 5—System Administrator <p>To sort the entries numerically by level number, click the Level Number header.</p>
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 the following reasons: <ul style="list-style-type: none"> – A System Administrator disabled the account. See the “mwtm disablepass” section on page C-18 and the “mwtm disableuser” section on page C-18 for more information. – 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 C-8 for more information. – MWTM disabled the account because it was inactive for too many days. See the “mwtm inactiveuserdays” section on page C-22 for more information. <p>To sort the entries by status, click the Status header.</p>

Viewing MWTM Object Counts

The MWTM Object Counts page displays counts of objects in the MWTM database.

To access the MWTM Object Counts page, select **System Object Counts** from the MWTM Server Home Page.

The MWTM Object Counts page displays the following counts:

- **Nodes**—Number of nodes that are in the following states: **Active**, **Warning**, **Unmanaged**, **Unknown**, **Other**, and **Total**.

Viewing the Troubleshooting Log for MWTM (Server Only)

Launching the MWTM System Troubleshooting page generates troubleshooting information, displays the information on this page, and stores the information in the */opt/CSCOs/gm/tmp/cisco_sgm_tshoot.log* file on the MWTM server. This log, which is updated each time the MWTM System Troubleshooting page is accessed or the **mwtm tac** command is run, contains information that might be requested by Cisco customer support personnel.

To access the MWTM System Troubleshooting page, select **System Troubleshooting** from the MWTM Server Home Page, or from the Web page menu bar, if shown.

**Note**

MWTM might take several minutes to create and display the troubleshooting log, and the resulting log might be several MB, depending on the size of the network and system logs.

Viewing System Data Files for MWTM

You can view the following MWTM system data files from the MWTM Server Home Page:

- **MWTM System Data Files: Notes**—Displays a list of the note files that have been created on this MWTM server. The notes are listed by the name of the network object, or by the internal ID of the event.

To access the MWTM System Files: Notes page, select **Notes** from the MWTM Server Home Page. Click an object name or ID to view the contents of the note. Click a directory to view the subdirectories and notes contained in that directory.

- **MWTM System Data Files: Views**—Displays a list of the network view files that have been created on this MWTM server. The file name includes directory information, if applicable.

To access the MWTM System Files: Network Views page, select **Views** from the menu bar of any MWTM System Files Web Page. Click a network view file to view its contents. Click a directory to view the subdirectories and network view files contained in that directory.

- **MWTM System Data Files: Discovery Seeds**—Displays a list of the seed files that have been created on this MWTM server. The file name includes directory information, if applicable.

To access the MWTM System Files: Discovery Seeds page, select **Discovery Seeds** from the MWTM Server Home Page. Click a seed file to view its contents. Click a directory to view the subdirectories and seed files contained in that directory.

- **MWTM System Files: Server Event Automation Sounds**—Displays a list of event automation sound files that have been created on this MWTM server.

Event automation sound files are stored in the server's *sounds* directory:

- If you installed MWTM in the default directory, */opt*, then the sound file directory is */opt/CSCOs/gm/sounds*.
- If you installed MWTM in a different directory, then the sound file directory is located in that directory.

To access the MWTM System Files: Server Event Automation Sounds page, select **Sounds** from the menu bar of any MWTM System Files Web Page, if shown.

Viewing System Information for MWTM

You can view the following MWTM system information from the MWTM Server Home Page:

- **MWTM README**—Contains late-breaking information about MWTM that might not be found in the other product documentation.

To access the MWTM System README page, select **System README** from the MWTM Server Home Page, or from the Web page menu bar, if shown.

- **MWTM Install Log**—Displays 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.

To access the MWTM System Install Log page, select **System Install Log** from the MWTM Server Home Page, or from the Web page menu bar, if shown.

- **MWTM System Properties**—Displays MWTM server and client properties that control various MWTM configuration parameters.

To access the MWTM System Properties page, select **System Properties** from the MWTM Server Home Page, or from the Web page menu bar, if shown.

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

To access the MWTM System Root Variables page, select **System Root Variables** from the MWTM Server Home Page, or from the Web page menu bar, if shown, or enter the **mwtm rootvars** command.

Viewing the MWTM Technical Documentation

From the MWTM Server Home Page, you can view the following MWTM technical documentation:

- To view the entire Cisco Mobile Wireless Transport Manager Help System, select **Help Home Page**.
- To view the entire MWTM User Guide as a PDF file on the Web, using the Adobe Acrobat Reader, select **User Guide (PDF)**.
- To view the entire MWTM Installation Guide as a PDF file on the Web, using the Adobe Acrobat Reader, select **Installation Guide (PDF)**.
- To view the entire MWTM Release Notes as a PDF file on the Web, using the Adobe Acrobat Reader, select **Release Notes (PDF)**.
- To view Frequently Asked Questions (FAQs) about MWTM, select **Frequently Asked Questions**.
- To view the syntax for every MWTM command, select **Output of mwtm help command** from the MWTM Server Home Page.
- To view a list of the MIBs on the server to which you are connected, and which is currently running the MWTM server, select **SNMP MIBs** from the MWTM Server Home Page.

Downloading the MWTM Client from the Web

You can access the MWTM client installation software for Linux, Solaris, and Windows from the MWTM Server Home Page. This access is useful if you do not have the CD-ROM, or if you prefer to download the software using your Web browser. Once you have downloaded the MWTM client installation software to your workstation, you must install the software on your local system.

For more information about installing the MWTM client software using a Web server, see the “Installing MWTM on Solaris” and “Installing MWTM on Windows” chapters of the *Cisco Mobile Wireless Transport Manager Installation Guide*.

- To access the MWTM Client for Solaris page, select **Download Solaris Client**.
- To access the MWTM Client for Windows page, select **Download Windows Client**.
- To access the MWTM Client for Linux page, select **Download Linux Client**. (The MWTM client for Linux is not a supported feature of MWTM. Use it under advisement.)

Downloading the MWTM Server's SSL Certificate from the Web

If you have implemented Secure Sockets Layer (SSL) support in your MWTM system, you can download the MWTM server's signed SSL certificate to all remote MWTM clients that connect to the server using SSL.

To access the MWTM Server SSL Certificate page, select **Server SSL Certificate** from the MWTM Server Home Page.

For more information about downloading the certificate, or about enabling SSL in MWTM, see the [“Implementing SSL Support in MWTM \(Solaris Only\)” section on page 10-22](#).

Accessing Software Updates and Additional Information

You can access the following additional information about MWTM from the MWTM Server Home Page:

- To view information about MWTM or any other Cisco product available on Cisco.com (also known as Cisco Connection Online), use one of the following procedures:
 - Select **View > Cisco.com** from the MWTM Main Menu.
 - Select **Cisco Home Page** from the MWTM Server Home Page.
- To access software updates for MWTM from Cisco.com for FTP, select **Engineering Software Updates (FTP)**. The Cisco Systems Engineering FTP server page is displayed.