



# CHAPTER 15

## Editing ITP MLR Address Table Files

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You use the Cisco Mobile Wireless Transport Manager (MWTM) to configure Multi-Layer Routing (MLR) address table files by using the MWTM Address Table Editor. You can:

- Create new address table files.
- Load existing address table files.
- Edit address table files.
- Perform semantic checks on address table files.
- Deploy address table files to an ITP.
- Save address table files.

If you implement MWTM User-Based Access, the Address Table Editor is available to users with authentication level Network Operator (level 3) and higher.

For more detailed information about address tables, including configuration procedures and scenarios, see the *IP Transfer Point (ITP)* feature module for Cisco IOS software release 12.2(25)SW3 or later.

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# Launching the Address Table Editor

The Address Table Editor runs as a separate application in the MWTM, so it requires a separate log in, just like the MWTM client.

If you implement MWTM User-Based Access, the Address Table Editor is available to users with authentication level Network Operator (level 3) and higher.

To launch the Address Table Editor, use one of these procedures:

- Choose **Tools > Address Table Editor** from the MWTM main menu.
- Enter the **mwtm atblclient** command (see [mwtm atblclient](#), page B-89) from the command prompt.

The Startup Options dialog box appears, which you use to load a specific address-table file or create a new address table file.

The Startup Options dialog box contains options for loading or creating the address table data from:

Field or Button	Description
New File	<p>Opens the Address Table Properties dialog box, which you use to create a new address table file (see <a href="#">Creating a New Address Table File</a>, page 15-6). Create the new address table file.</p> <p>If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.</p>
From File	<p>Opens the Load File Dialog: Address Table File list, which you use to load a specific address table file and change the list of address table files (see <a href="#">Loading an Existing Address Table File</a>, page 15-8). Select an address table file to load.</p>
From ITP	<p>Opens the Load Address Table from ITP wizard, which you use to select the ITP release 12.2(25)SW3 or later signaling point whose address table file you want to edit (see <a href="#">Loading an Address Table File from a Node</a>, page 15-10). Select a signaling point.</p> <p>If you implement MWTM User-Based Access, this option is available to users with authentication level Network Operator (level 3) and higher.</p>
From Archive	<p>Opens the Load Address Table from Archive wizard, which you use to select the ITP release 12.2(25)SW3 or later node and signaling point whose address table file you want to edit (see <a href="#">Loading an Address Table File from the Archive</a>, page 15-12). Select a signaling point and table type.</p> <p>If you implement MWTM User-Based Access, this option is available to users with authentication level Network Operator (level 3) and higher.</p>

Once you close the Startup Options dialog box by creating a new address table file or loading an existing address table file, the Address Table Editor window appears. If you have created a new address table file, the table will be blank. If you have opened an existing address table file, the table will be populated.

**Figure 15-1**      **Address Table Editor Window**

## Address Table Menu

The menu on the Address Table Editor window contains:

Menu Command	Description
File > New Table (Ctrl-N)	<p>Opens the Address Table Properties dialog box. The MWTM prompts you to:</p> <ul style="list-style-type: none"><li>• Enter the table name, variant, instance number, and network name, then click <b>OK</b> to create the address table file.</li><li>• Click <b>Cancel</b> to close the prompt window without creating an address table file.</li></ul> <p>For more information, see <a href="#">Creating a New Address Table File, page 15-6</a>.</p> <p>If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.</p>
File > Load > Load From File (Ctrl-L)	<p>Opens the Load File dialog box, allowing you to load an already existing address table file. The MWTM prompts you to:</p> <ul style="list-style-type: none"><li>• Select the file from the list, then click <b>OK</b> to load the address table file.</li><li>• Click <b>Cancel</b> to close the prompt window without loading an address table file.</li></ul> <p>For more information, see <a href="#">Loading an Existing Address Table File, page 15-8</a>.</p>

Menu Command	Description
File > Load > Load From Node (Ctrl-T)	<p>Opens the Load Address Table from ITP Wizard, which you use to select the ITP release 12.2(25)SW3 or later signaling point whose address table file you want to edit, as well as the table type.</p> <p><b>Tip</b> Click <b>Show Log</b> at any time to view the process details.</p> <p>To load the address table from a node:</p> <ol style="list-style-type: none"> <li>1. Select a node and signaling point from the drop-down list boxes, then click <b>Next</b> to load the address table list.</li> <li>2. Select an address table list from the drop-down list box, then click <b>Next</b> to enter your passwords.</li> <li>3. Enter the login password, then click <b>Next</b>.</li> <li>4. Enter the enable password, then click <b>Next</b>.</li> <li>5. Click <b>Finish</b> to complete the loading process.</li> </ol> <p>If you have implemented MWTM User-Based Access, this option is available to users with authentication level Network Operator (level 3) and higher.</p> <p>For more information, see <a href="#">Loading an Address Table File from a Node, page 15-10</a>.</p>
File > Load > Load From Archive (Ctrl-H)	<p>Opens the Load Address Table from Archive Wizard, which you use to select the ITP release 12.2(25)SW3 or later node and signaling point whose address table file you want to edit.</p> <p>To load the address from archive:</p> <ol style="list-style-type: none"> <li>1. Select a node and signaling point from the drop-down list boxes, then click <b>Next</b> to load the address table list.</li> <li>2. Select the address table list from the drop-down list box, then click <b>Next</b> to enter your passwords.</li> <li>3. Select the version from the table by clicking on it, then click <b>Next</b>.</li> <li>4. Click <b>Finish</b> to complete the loading process.</li> </ol> <p>If you have implemented MWTM User-Based Access, this option is available to users with authentication level Network Operator (level 3) and higher.</p> <p>For more information, see <a href="#">Loading an Address Table File from the Archive, page 15-12</a></p>
File > Revert (Ctrl-R)	Reverts to the last saved version of the address table file.
File > Save (Ctrl-S)	Saves the changes that you make to the address table file.
File > Save As	Opens the Save File Dialog: Address Table File list, which you use to save the address table file with a new name or overwrite an existing address table file.

Menu Command	Description
File > Semantic Check (Ctrl-K)	Opens the Semantic Check address table dialog box, which you use to check the semantics of an address table file against a specific ITP (see <a href="#">Checking the Semantics of an Address Table File, page 15-17</a> ).
File > Deploy (Ctrl-Y)	<p>Opens the Deployment wizard, which you use to validate an address table file, upload it to an ITP, and activate it on the ITP.</p> <p><b>Note</b> If you have not saved the current address table file, the Save File Dialog: Address Table File List appears, prompting you to save the file before continuing.</p> <p>For more information, see <a href="#">Deploying an Address Table File, page 15-18</a>.</p>
File > Exit (Ctrl-Q)	<p>Closes the Address Table Editor window. The MWTM prompts you to confirm this action. Ensure that you save any changes before exiting, if necessary. Click:</p> <ul style="list-style-type: none"> <li>• <b>Yes</b> to exit.</li> <li>• <b>No</b> to close the window.</li> </ul>
Edit > Address Table Properties (Ctrl-P)	Opens the Edit Address Table Properties dialog box, which you use to change the name, variant, version, instance ID, and network name associated with an address table file (see <a href="#">Editing Address Table Properties, page 15-17</a> ).
Edit > Add (Ctrl-E)	Adds a row to the address table.
Edit > Delete (Ctrl-Delete)	<p>Deletes one or more chosen rows from an address table. The Confirm Delete dialog box appears. To:</p> <ul style="list-style-type: none"> <li>• Delete the chosen rows, click <b>Yes</b>. The rows disappear from the table and the Confirm Delete dialog box closes.</li> <li>• Retain the chosen rows, click <b>No</b>. The rows remain in the table and the Confirm Delete dialog box closes.</li> </ul>
Edit > Node Archive Management	<p>Opens the Node Archive Management dialog box, which you use to view the contents of the archive, open a version with its corresponding editor, and delete all versions of a file (see <a href="#">Node Archive Management, page 5-33</a>).</p> <p>If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.</p>
Edit > Node File Management	<p>Opens the Node File Management dialog box, which you use to transfer address table files to and from the ITP (see <a href="#">Node File Management, page 5-26</a>).</p> <p>If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.</p>
View > Address Table Info (Ctrl-I)	Opens the Address Table Information dialog box, which shows basic information about the currently visible address table file.

Menu Command	Description
View > Network Name Configuration (Ctrl-F)	Opens the Network Name Configuration dialog box, which maps network names to variants and network indicators, in support of cross-instance address table files.
Help > Topics (F1)	Shows the table of contents for the MWTM online help.
Help > Window (Shift-F1)	Shows online help for the current window.
Help > About (F3)	Shows build date, version, SSL support, and copyright information about the MWTM application.

## Creating a New Address Table File

You use the MWTM to create a new address table file. If you:

- Launch the Address Table Editor from the Startup Options window, click **New File**.
- Are already in the Address Table Editor, choose **File > New Table** from the Address Table Editor menu. You are prompted to save changes if you are currently working on an unsaved file.



### Note

If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.

The Address Table Properties dialog box appears.

Field or Button	Description
Table Name	User-defined unique table name.
Variant	SS7 protocol variant. Select a variant from the drop-down list box. Valid variants are: <ul style="list-style-type: none"> <li>• ANSI</li> <li>• China</li> <li>• ITU</li> <li>• NTT</li> <li>• TTC</li> </ul>
Version	Version of the file format that the address table uses. Choose either: <ul style="list-style-type: none"> <li>• 1.1—Available beginning with 12.2(25)SW4a or 12.2(18)IXA</li> <li>• 1.3—Available beginning with 12.2(25)SW9, 12.2(18)IXC, 12.4(11)SW, or 12.2(33)IRA</li> </ul>
Instance Number	Number of the instance that the address table uses. Select an instance number from the drop-down list box. Valid numbers are <b>0</b> to <b>7</b> . The default instance number is <b>0</b> .

Field or Button	Description
Network Name	<p>Network name that the address table uses. Select a network name from the drop-down list box. When you select the network name, the MWTM automatically sets the corresponding variant in the Variant field.</p> <p>If you change the network name for an existing address table file, the new network name must use the same variant.</p>
OK	<p>Creates the new address table file and closes the Address Table Properties dialog box.</p> <p>Enter or select values for the new address table file, then click <b>OK</b>. The MWTM creates the new address table file and closes the Address Table Properties dialog box.</p>
Cancel	<p>Closes the Address Table Properties dialog box without creating a new address table file.</p> <p>To close the Address Table Properties dialog box without creating a new address table file, click <b>Cancel</b>.</p>
Help	<p>Shows online help for the current window.</p>

**Related Topics:**

- [Loading an Existing Address Table File, page 15-8](#)
- [Loading an Address Table File from a Node, page 15-10](#)

## Loading an Existing Address Table File

You use the MWTM to load a specific address table file and change the list of address table files. If you:

- Launch the Address Table Editor from the Startup Options window, click **From File**.
- Are already in the Address Table Editor, choose **File > Load > Load From File** from the Address Table Editor menu. You are prompted to save changes if you are currently working on an unsaved file.



### Note

When you load an address table file, the name of the server that is associated with the address table client and the filename, as well as the table type and mode (can be edit or view only), appear in the window name:

```
MWTM: Address Table Editor -- mwtm-sun8 -- address table.File.1 (MLR edit mode)
```

If you have not yet loaded or saved an address table file, the message `No File Loaded` appears in place of the address-table filename.

The Load File Dialog: Address Table File List appears.

Field or Button	Description
File Types	Drop-down list only includes MLR.
Type	Icon indicating whether the item in the table is a file or a folder.
Name	Name of the address table file or folder.
Last Modified	Date and time the address table file or folder was last modified.
Size (bytes)	Size of the address table file or folder, in bytes.
Number of Files (in lower-left corner)	Total number of address table files and folders.



Field or Button	Description
OK	<p>When you click this button, it:</p> <ul style="list-style-type: none"> <li>• Loads the chosen address table file.</li> <li>• Saves any changes you made to the list of files.</li> <li>• Closes the Load File Dialog: Address Table File list.</li> <li>• Opens the Progress dialog box</li> <li>• Begins loading the address table file.</li> </ul> <p>To load an address table file:</p> <ul style="list-style-type: none"> <li>• Double-click it in the list</li> <li>• Select it in the list and click <b>OK</b>. <ul style="list-style-type: none"> <li>– Or, enter the name of the file and click <b>OK</b>.</li> </ul> </li> </ul> <p>The MWTM closes the Load File Dialog: Address Table File list and the Progress dialog box appears, which shows the progress of the address table file load, as well as any messages that appear while loading the file.</p> <ul style="list-style-type: none"> <li>• When the file has been loaded, click <b>OK</b>.</li> </ul> <p>The MWTM closes the Progress dialog box, loads the address table file, and returns to the Address Table Editor window.</p>
Delete	Deletes the chosen file from the address table file list. The MWTM issues an informational message containing the name and location of the deleted file.
Cancel	Closes the dialog box without loading an address table file or saving any changes to the address table file list.
Help	Shows online help for the dialog box.

**Related Topics:**

- [Launching the Address Table Editor, page 15-2](#)
- [Loading an Address Table File from a Node, page 15-10](#)

# Loading an Address Table File from a Node

**Note**

Before using the Load Address Table From ITP wizard to load address table files, you must enable TFTP file transfer for the address table staging directory by using the **mwtm atbldir** command (see [mwtm atbldir](#), page B-90).

You use the Load Address Table From ITP wizard to load an existing address table file from a node. If you:

- Launch the Address Table Editor from the Startup Options window, click **From Node**.
- Are already in the Address Table Editor, choose **File > Load > Load From Node** from the Address Table Editor menu.

If you implement MWTM User-Based Access, this option is available to users with authentication level Network Operator (level 3) and higher.

The Load Address Table From ITP wizard appears.

**Figure 15-2**      *Load Address Table From ITP Wizard*

The left pane of the Load Address Table From ITP wizard contains:

Step	Description
Select Node/SP	<p>You can select the signaling point from which the address table should be loaded. You can optionally check the <b>Filter by Node</b> check box, which limits signaling point selection to a specific node.</p> <p>Select a signaling point and node (optional) from the drop-down list boxes, then click <b>Next</b> . The MWTM retrieves address table names from the chosen signaling point.</p> <p>If no address table names are available, the process ends with errors. If address table names are available, the MWTM proceeds directly to the Select Table step.</p>
Login	<p>You can log in to the ITP. Enter the:</p> <ul style="list-style-type: none"> <li>• Log in password, if required.</li> <li>• Enable password, if required.</li> </ul> <p><b>Note</b> To avoid entering user name and password information each time, you can set up credentials (see <a href="#">Configuring Login Credentials, page 3-20</a>).</p>
Load	<p>Uploads the address table file to the MWTM.</p> <p>If the file upload ends with no errors, the process is successful. Click <b>Finish</b>.</p>

The bottom line of the Load Address Table From ITP wizard contains:

Field or Button	Description
Progress Bar	Indicates that the address table file is being uploaded.
Show Log/Hide Log	Shows or hides the log file for the Load Address Table From ITP wizard.
Next >	Advances to the next step in the Load Address Table From ITP wizard.
Finish	Closes the Load Address Table From ITP wizard. The Finish button appears when loading ends successfully or the wizard detects errors and the process is cancelled.
Cancel	Closes the Load Address Table From ITP wizard without loading the file.
Help	Shows online help for the Load Address Table From ITP wizard.

#### Related Topics:

- [Launching the Address Table Editor, page 15-2](#)
- [Loading an Existing Address Table File, page 15-8](#)
- [Editing Address Table Properties, page 15-17](#)

# Loading an Address Table File from the Archive



## Note

Before using the Load Address Table From Archive wizard to load address table files, you must use the **mwtm atbldir** command to enable TFTP file transfer for the address table staging directory (see [mwtm atbldir](#), page B-90).

You can use the Load Address Table From Archive wizard to load an existing address table file from the archive. If you:

- Launch the Address Table Editor, from the Startup Options window, click **From Archive**.
- Are already in the Address Table Editor, choose **File > Load > Load From Archive** from the Address Table Editor menu.

If you implement MWTM User-Based Access, this option is available to users with authentication level Network Operator (level 3) and higher.

The Load Address Table From Archive wizard appears.

**Figure 15-3 Load Address Table From Archive Wizard**



*We need to re-capture this screen, I could not re-create.*

The left pane of the Load Address Table From Archive wizard contains:

Step	Description
Select Node/SP	<p>You can select the signaling point from which to load the address table. You can optionally check the <b>Filter by Node</b> check box, which limits signaling point selection to a specific node.</p> <p>Select a signaling point and node (optional) from the drop-down list boxes, then click <b>Next</b>. The MWTM retrieves address table names from the chosen signaling point.</p> <p>If no address table names are available, the process completes with errors. If address table names are available, the MWTM proceeds directly to the Select Table step.</p>
Select Version	<p>You can select the version you want to load. Click a version to highlight it, then click <b>Next</b>. The table contains:</p> <ul style="list-style-type: none"> <li>• <b>Rev</b>—Revision number.</li> <li>• <b>Date</b>—Date and time the version was created.</li> <li>• <b>Comments</b>—Provided at the time of creation, if applicable.</li> <li>• <b>Author</b>—Initiator of the comments.</li> </ul>
Load	<p>Uploads the address table file to the MWTM.</p> <p>If the file upload ends with no errors, the process is successful. Click <b>Finish</b>.</p>

The bottom line of the Load Address Table From Archive wizard contains:

Field or Button	Description
Progress Bar	Indicates that the address table file is being uploaded.
Next >	Advances to the next step in the Load Address Table From ITP wizard.
Finish	Closes the Load Address Table From ITP wizard. The Finish button appears when loading completes successfully or it detects errors and the process is cancelled.
Cancel	Closes the Load Address Table From ITP wizard without loading the file.
Help	Shows online help for the Load Address Table From ITP wizard.

#### Related Topics:

- [Launching the Address Table Editor, page 15-2](#)
- [Loading an Existing Address Table File, page 15-8](#)
- [Loading an Address Table File from a Node, page 15-10](#)
- [Editing Address Table Properties, page 15-17](#)

## Working in Address Table Files

Once you create a new address table file or load an existing address table file, you can manage the address table entries.

If you implement MWTM User-Based Access, these options are available to users with authentication level Network Administrator (level 4) and higher. To:

- Add a row to a table, select the table and choose **Edit > Add** from the address table menu; or, **Add** from the right-click menu.
- Delete one or more rows from a table, select the rows and choose **Edit > Delete** from the address table menu; or, **Delete** from the right-click menu.
- Edit the values in each row in each table, type over the current value or select a new value from a drop-down list box. If you are editing a row, you cannot move on until all fields in the row are completed.
- Reset a cell to its previous value. Press **Esc**. Press **Esc** twice to reset the entire row.
- Commit your changes, click outside the row or press **Enter**.



**Note** Once you commit your changes, pressing **Esc** does not reset the cells in the row.

The Address Table Editor window contains:

Heading	Description
Address Digits	Address digits for the address table. Enter a 1- to 20-digit hexadecimal string. The value must be unique in an address table.
Exact Match	Considers the address an exact match.
Result Type	Type of action to perform on a match.
Result Value	Values to use with the matching action.

## Result Types and Values

This table defines the list of result types from which to choose when you click in the Result Types column and the drop-down arrow that appears, also the corresponding result values that you enter for MLR address tables:

Result Type	Result Value	Description
asname	Route to the specified application server.	Message is routed to a particular destination M3UA or SUA application server.
block	(Optional, version 1.3 only) The Edit SCCP Error window appears. Enter a value: <ul style="list-style-type: none"> <li>• 0—No data for TT</li> <li>• 1—No translation for address</li> <li>• 2—Subsystem congestion</li> <li>• 3—Subsystem is failed</li> <li>• 4—Subsystem is unequipped</li> <li>• 5—SS7 network failure</li> <li>• 6—SS7 network congestion</li> <li>• 7—Unqualified</li> <li>• 8—XUDTS error in message transport</li> <li>• 9—XUDTS error in local processing</li> <li>• A—XUDTS cannot perform reassembly</li> <li>• B—SCCP failure</li> <li>• C—SCCP hop counter violation</li> <li>• D—Segmentation not supported</li> <li>• E—Segmentation failure</li> <li>• WORD ITU SCCP Spare Error Codes in Hex {F..FF}</li> </ul> Click <b>Add</b> to accept the value.	Indicates that you should discard the short message.
continue	None	Message that the normal SCCP routing will process the message.
group	Specify the name of the result group to which to route.	Indicates that a result group is used for routing.

Result Type	Result Value	Description
gt	<SCCP address> <b>tt</b> <number> <b>gti</b> <number>	<p>Indicates that the message is routed by using SCCP global title. Places the specified address in the SCCP Called Party Address. The routing indicator changes to <b>RI=GT</b>. Then routed based on the locally provisioned global-title translation table. When you select this parameter and click the corresponding space in the Result Value column, the Edit GTT dialog box appears and contains:</p> <ul style="list-style-type: none"> <li>• <b>SCCP Address</b>—An address string of 1-15 hexadecimal characters. The string is not input in BCD-String format, but in normal form.</li> <li>• <b>Translation Type</b>—Identifies the translation type that the address specifies. Valid values are 0-255.</li> <li>• <b>Global Title Indicator</b>—Identifies the global title indicator value for the specified address. This value is always <b>2</b> for an ANSI variant and might be 2 or 4 for other variant types.</li> <li>• <b>Numbering Plan</b>—Identifies the numbering plan of the specified address. This value is only specified when the <b>gti</b> parameter value is 4. Valid values are 0-15.</li> <li>• <b>Nature of Address Indicator</b>—Identifies the nature of the specified address. This value is only specified when the <b>gti</b> parameter value is 4. Valid values are 0-127.</li> <li>• <b>Add</b>—Adds the current values.</li> <li>• <b>Close</b>—Closes the dialog box.</li> <li>• <b>Help</b>—Launches the online help window for the current dialog box.</li> </ul>
none	none	A result is not specified.
pc	<point code> <b>ssn</b> <number>	<p>Indicates that <b>pc</b> or <b>pc/ssn</b> routing is used. When you select this parameter and click the corresponding space in the Result Value column, the Edit Point Code dialog box appears and displays these fields and buttons:</p> <ul style="list-style-type: none"> <li>• <b>Point Code</b>—Point code to route the message.</li> <li>• <b>SSN</b>—Specify a subsystem number. Valid values are 2-255.</li> <li>• <b>Add</b>—Adds the current values.</li> <li>• <b>Close</b>—Closes the dialog box.</li> <li>• <b>Help</b>—Launches the online help window for the current dialog box.</li> </ul>



## Editing Address Table Properties

You can use the MWTM to edit the address table properties associated with an address table file. Choose **Edit > Address Table Properties** from the Address Table Editor menu. The Edit Address Table Properties dialog box appears.

Field or Button	Description
Table Name	User-defined unique table name.
Variant	SS7 protocol variant. You cannot edit this field.
Version	Version of the file format that the address table uses. You cannot edit this field.
Instance Number	Number of the instance that the address table uses. Valid numbers are <b>0</b> to <b>7</b> ; the default instance number is <b>0</b> .
Network Name	Network name that the address table uses.  If you change the network name for an existing address table file, the new network name must use the same variant.
OK	Saves the changes to the address table file.  Enter or select values, then click <b>OK</b> . The MWTM saves your changes to the address table file.
Cancel	Closes the Edit Address Table Properties dialog box without saving any changes to the address table file.  To close the Edit Address Table Properties dialog box at any time without saving any changes to the address table file, click <b>Cancel</b> .
Help	Shows online help for the current window.

## Checking the Semantics of an Address Table File

In using the MWTM, Cisco strongly recommends that you check the semantics of an address table file against a specific ITP, validating these data in the address table file:

**Group Name**—In the Address Table entries, when the result type is *group* the result value is a group name. You must configure the group name in the address entry on the ITP prior to the deployment of the address table. During the validation process, if the group name in the address entry does not have a corresponding match on the ITP, the MWTM generates an error.

To check the semantics of an address table file, choose **File > Semantic Check** from the Address Table Editor menu. The Semantic Check address table dialog box appears.

Field or Button	Description
ITP Name or IP Address	Name or IP address of the ITP against which to check the address table file.
OK	<p>Closes the Semantic Check Address Table dialog box and opens the Progress dialog box, which shows the progress of the semantic check for the address table file.</p> <p>Enter the name or IP address of an ITP, and click <b>OK</b>. The the Semantic Check Address Table dialog box closes and the Progress dialog box opens, which shows the progress of the semantic check for the address table file and any messages that appear while checking the file.</p> <p>When the check ends, click <b>OK</b>. The Progress dialog box closes and returns to the Semantic Check Address Table dialog box.</p>
Cancel	Closes the Semantic Check Address Table dialog Box without checking the semantics of the address table file.

**Note**

You can also use the **mwtm checkmlr** command to check the semantics of an MLR address table file (see [mwtm checkmlr](#), page B-92).

## Deploying an Address Table File

You use the Deployment wizard to validate an address table file, upload it to an ITP, archive the file, and activate it on the ITP. To launch the Deployment wizard for an address table file, use one of these procedures:

- Choose **File > Deploy** from the Address Table Editor menu (see [Deploying ITP Files](#), page 5-36).
- Enter the **mwtm pushmlr** command (see [mwtm pushmlr](#), page B-109).

## Displaying Basic Information About an Address Table File

You use the MWTM to view basic information about the current address table file. Choose **View > Address Table Info** from the address table menu. The Address Table Information dialog box appears.

The Address Table Information dialog box is read-only.

Field or Button	Description
Table Name	User-defined unique table name.
Filename	Name of the address table file.
Version	Version of the file format that the address table uses.
Variant	SS7 protocol variant. Valid variants are: <ul style="list-style-type: none"><li>• ANSI</li><li>• China</li><li>• ITU</li><li>• NTT</li><li>• TTC</li></ul>
Network Name	Network name that the address table file uses.
Instance Number	Number of the instance that the address table uses. Valid numbers are 0 to 7. The default instance number is 0.
Last Modified	Date and time that someone last modified the address table file.
Total Entries	Total number of entries in the address table file.
OK	Closes the address table Table Info dialog box.

## Listing Archived Address Tables

To view a list of deployed and archived MLR address tables, do one of the following:

- Enter the **mwtm listarchive** command (see [mwtm listarchive](#), page B-103).
- In the MWTM Address Table Editor, choose **Edit > Node Archive Management** (see [Node Archive Management](#), page 5-33).

For a list of current MLR address table files in the address table staging directory, enter the **mwtm listmlr** command (see [mwtm listmlr](#), page B-104).

## Creating Network Name Mapping Files

When the MWTM discovers your network, it automatically creates and populates the network name-mapping file; therefore, in most cases, you do not need to manually create the network name-mapping file. For more information about running Discovery, see [Discovering Your Network](#), page 4-4.

In some cases, you might want to manually create the network name-mapping file; for example, you might not have run **Discovery** yet, but you want to prepare for a future address table configuration. Also, while you cannot change or delete entries that have been populated automatically by the MWTM, you can add entries manually; and, you can change or delete those manual entries.

To create the network name-mapping file manually; or, add, change, or delete manual entries, choose **View > Network Name Configuration** from the address table menu. If you implement MWTM User-Based Access, this option is available to users with authentication level System Administrator (level 5). The Network Name Configuration dialog box appears.

The Network Name Configuration dialog box contains:

- [Network Name Configuration Dialog Menu](#), page 15-21
- [Network Name Configuration Dialog Table](#), page 15-22

## Network Name Configuration Dialog Menu

The menu on the Network Name Configuration dialog box contains:

Menu Command	Description
File > Revert (Ctrl-R)	Loads the most recent network name-mapping file from the MWTM server.  If the MWTM discovers new entries for the network name-mapping file while you are editing an address table file (for example, if a new network instance is added, or a new network is discovered), the Address Table Editor does not detect the new entries and they do not appear in the Network Name Configuration dialog box. To see the new entries in the dialog box, choose <b>File &gt; Revert</b> . (You can also restart the Address Table Editor to automatically load the most recent network name-mapping file from the MWTM server.)
File > Save (Ctrl-S)	Saves the changes that you make to the network name-mapping file.  After you add, change, or delete entries and save the file, the MWTM uses the file the next time it discovers the network. However, if the MWTM discovers entries that conflict with manual entries in the file, the MWTM uses (and shows in the Network Name Configuration dialog box) the discovered entries; not the manual entries.
File > Print (Ctrl-P)	Prints the contents of the network name-mapping file.
File > Close (Ctrl-W)	Closes the network name-mapping file without saving any additions, changes, or deletions.
Edit > Add (Alt-A)	Adds an entry to the network name-mapping file.
Edit > Delete (Delete)	Deletes the chosen entry from the network name-mapping file.
Help > Topics (F1)	Shows the table of contents for the MWTM online help.
Help > Window (Shift-F1)	Shows online help for the current window.
Help > About (F3)	Shows build date, version, SSL support, and copyright information about the MWTM application.

## Network Name Configuration Dialog Table

The Network Name Configuration Dialog table contains:

Field	Description
Network Name	Network name that the address table file uses.  If you change the network name for an existing address table file, the new network name must use the same variant.
Variant	SS7 protocol variant. Valid variants are: <ul style="list-style-type: none"> <li>• ANSI</li> <li>• China</li> <li>• ITU</li> <li>• NTT</li> <li>• TTC</li> </ul>
Network Indicator	Type of call that a user places. Valid values are: <ul style="list-style-type: none"> <li>• <b>National</b>—National-bound call. The MWTM routes national calls through the national network.</li> <li>• <b>NationalSpare</b>—National-bound call, used in countries in which more than one carrier can share a point code. In those countries, the Network Indicator differentiates networks.</li> <li>• <b>International</b>—International-bound call. The MWTM forwards international-bound calls to an STP pair that acts as an international gateway.</li> <li>• <b>InternationalSpare</b>—International-bound call, used in countries in which more than one carrier can share a point code. In those countries, networks are differentiated by the Network Indicator.</li> </ul>
Discovered	Indicates whether the: <ul style="list-style-type: none"> <li>• MWTM (Yes) discovered the entry.</li> <li>• A user entered it manually (No).</li> </ul>

# Saving an Address Table File

You use the MWTM to save a specific address table file and change the list of address table files.

If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.

To save the changes that you make to an address table file or change the list of address table files, use one of these procedures. To save the changes that you make to the address table file:

- Without changing the name of the file, choose **File > Save** from the address table menu.
- With a new name, choose **File > Save As** from the address table menu. The Save File Dialog: Address Table File List appears.

Field or Button or Icon	Description
Type	Icon indicating whether the item in the table is a file or a folder.
Name	Name of the address table file or folder.
Last Modified	Date and time a user last modified the address table file or folder.
Size (bytes)	Size of the address table file or folder, in bytes.
Filename	Name by which you want to save the address table file.  If you create a new address table filename, you can use any letters, numbers, or characters in the name that your operating system allows. However, if you include spaces in the new name, the MWTM converts those spaces to hyphens (-); for example, the MWTM saves file <i>a b c</i> as <i>a-b-c</i> .
Number of Files (visible in bottom left corner)	Total number of address table files and folders.

Field or Button or Icon	Description
OK	<p>Saves the address table file or any changes you made to the list of files and closes the dialog box.</p> <p>To save the address table file with a new name, use one of these procedures. To save the file with:</p> <ul style="list-style-type: none"> <li>A completely new name, enter the new name and click <b>OK</b>.</li> <li>An existing name, overwriting an old address table file, select the name in the list and click <b>OK</b>.</li> </ul> <p>The MWTM closes the Save File Dialog: Address Table File List and the Progress dialog box appears, which shows the progress of the address table file save, as well as any messages that appear while saving the file.</p> <p>When the file is saved, click <b>OK</b>. The MWTM:</p> <ul style="list-style-type: none"> <li>Closes the Progress dialog box.</li> <li>Saves the address table file with the new name</li> <li>Returns to the Address Table Editor window.</li> </ul> <p><b>Note</b> If another user modifies and saves the address table file before you save your changes, the MWTM asks if you want to overwrite that user's changes. If you do, the other user's changes are overwritten and lost. If you choose not to, your changes are lost; unless you save the address table file to a different filename.</p>
Delete	Deletes the chosentur file from the address table file list. The MWTM issues an informational message containing the name and location of the deleted file.
Cancel	Closes the dialog box without saving the address table file or any changes to the address table file list.
Help	Shows online help for the dialog box.

When you are ready to exit the Address Table Editor window, choose **File > Exit** from the address table menu.

If you made any changes to the address table file, the MWTM asks if you want to save the changes before leaving the window. Click:

- Yes** to save the changes.

The MWTM opens the Save File Dialog: Address Table File List, which you use to save the address table file with a new name, or overwrite an existing address table file.

- No** to close the prompt window.

The MWTM closes the Address Table Editor window without saving any changes to the address table file.



By default, address table files reside in the MWTM installation directory. If you installed the MWTM in:

- The default directory, */opt*, then the default directory is */opt/CSCOsgm/atbl*.
- A different directory, then the default directory resides in that directory.

To change the directory in which the MWTM stores address table files, use the **mwtm atbldir** command (see [mwtm atbldir](#), page B-90).

## Reverting to the Last Saved Address Table File

To revert to the last saved version of the address table file, choose **File > Revert** from the address table menu. The MWTM shows the last saved version of the file.

If you implement MWTM User-Based Access, this option is available to users with authentication level Network Administrator (level 4) and higher.

■   Reverting to the Last Saved Address Table File