



# Release Notes for the Cisco Mobile Wireless Transport Manager 6.1.3

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These release notes describe features added, caveats, known bugs, and other important information for installing and using Cisco Mobile Wireless Transport Manager (MWTM) 6.1.3.



**Note**

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You can access the most current Cisco documentation, including these release notes, online at: [http://www.cisco.com/en/US/products/ps6472/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps6472/tsd_products_support_series_home.html)

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For the latest MWTM information and software updates, go to <http://www.cisco.com/go/mwtm>.

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# What's New in MWTM 6.1.3



**Note**

MWTM 6.1.3 is a special release specifically made available for LTE customers. If you are an ITP, IP-RAN, or mSEF customer who is not deploying LTE technologies, please use general available release MWTM 6.1.2.

[Table 1](#) lists the new features in MWTM 6.1.3.

**Table 1** *New Features in Mobile Wireless Transport Manager 6.1.3*

Feature	Description
New Device Support	<ul style="list-style-type: none"> <li>• Cisco CSG2 R5: 12.4(24)MDA</li> <li>• Cisco CSG2 R4 (SAMI): 12.4(24)MD1</li> <li>• Cisco PDNGW on the Supervisor Module: 12.2(33)SRC1, 12.2(33)SRC2, 12.2(33)SRC3, 12.2(33)SRC4, 12.2(33)SRD, 12.2(33)SRD1, 12.2(33)SRD2, 12.2(33)SRD3, 12.2(33)SRD4, and 12.2(33)SRE</li> <li>• Cisco PDNGW (LTE R1): 12.4(24)T3a</li> <li>• Cisco SGW on the Supervisor Module: 12.2(33)SRC1, 12.2(33)SRC2, 12.2(33)SRC3, 12.2(33)SRC4, 12.2(33)SRD, 12.2(33)SRD1, 12.2(33)SRD2, 12.2(33)SRD3, 12.2(33)SRD4, and 12.2(33)SRE</li> <li>• Cisco SGW (LTE R1): 12.4(24)T3a</li> <li>• Cisco PCRF (Cisco Policy Manager): 2.0</li> </ul>

## Supported IOS Releases in MWTM 6.1.3

This section contains the following table:

- [Table 2, Supported IOS Releases for mSEF Devices](#)

**Table 2**      **Supported IOS Releases for mSEF Devices**

<b>Device</b>	<b>IOS Release</b>
CSG2	CSG2 R5: <ul style="list-style-type: none"> <li>• 12.4(24)MDA</li> </ul> CSG2 R4: <ul style="list-style-type: none"> <li>• 12.4(24)MD1</li> </ul> CSG2 R3.5: <ul style="list-style-type: none"> <li>• 12.4(22)MDA</li> <li>• 12.4(22)MDA1</li> <li>• 12.4(22)MDA2</li> </ul> CSG2 R3: <ul style="list-style-type: none"> <li>• 12.4(22)MD1</li> </ul> CSG2 R2: <ul style="list-style-type: none"> <li>• 12.4(15)MD</li> <li>• 12.4(15)MD1</li> <li>• 12.4(15)MD2</li> <li>• 12.4(15)MD3</li> <li>• 12.4(15)MD4</li> </ul> CSG2 R1: <ul style="list-style-type: none"> <li>• 12.4(11)MD3</li> <li>• 12.4(11)MD4</li> <li>• 12.4(11)MD5</li> <li>• 12.4(11)MD6</li> <li>• 12.4(11)MD7</li> <li>• 12.4(11)MD8</li> <li>• 12.4(11)MD9</li> <li>• 12.4(11)MD10</li> </ul>

**Table 2**      **Supported IOS Releases for mSEF Devices (continued)**

<b>Device</b>	<b>IOS Release</b>
	Supervisor Module: <ul style="list-style-type: none"><li>• 12.2(33)SRC1</li><li>• 12.2(33)SRC2</li><li>• 12.2(33)SRC3</li><li>• 12.2(33)SRC4</li><li>• 12.2(33)SRD</li><li>• 12.2(33)SRD1</li><li>• 12.2(33)SRD2</li><li>• 12.2(33)SRD3</li><li>• 12.2(33)SRD4</li><li>• 12.2(33)SRE</li></ul>
PCRF	Cisco Policy Manager (PCRF): <ul style="list-style-type: none"><li>• 2.0</li></ul>

**Table 2**      **Supported IOS Releases for mSEF Devices (continued)**

<b>Device</b>	<b>IOS Release</b>
PDNGW	Supervisor Module: <ul style="list-style-type: none"> <li>• 12.2(33)SRC1</li> <li>• 12.2(33)SRC2</li> <li>• 12.2(33)SRC3</li> <li>• 12.2(33)SRC4</li> <li>• 12.2(33)SRD</li> <li>• 12.2(33)SRD1</li> <li>• 12.2(33)SRD2</li> <li>• 12.2(33)SRD3</li> <li>• 12.2(33)SRD4</li> <li>• 12.2(33)SRE</li> </ul> LTE R1: <ul style="list-style-type: none"> <li>• 12.4(24)T3a</li> </ul>
SGW	Supervisor Module: <ul style="list-style-type: none"> <li>12.2(33)SRC1</li> <li>12.2(33)SRC2</li> <li>12.2(33)SRC3</li> <li>12.2(33)SRC4</li> <li>12.2(33)SRD</li> <li>12.2(33)SRD1</li> <li>12.2(33)SRD2</li> <li>12.2(33)SRD3</li> <li>12.2(33)SRD4</li> <li>12.2(33)SRE</li> </ul> LTE R1: <ul style="list-style-type: none"> <li>12.4(24)T3a</li> </ul>

# Unsupported IOS Releases

The MWTM no longer supports the IOS releases listed in [Table 3](#):

**Table 3** *Unsupported IOS Releases in MWTM 6.1.3*

mSEF			
CSG2	PDNGW	SGW	PCRF
12.4(11)MD	N/A	N/A	N/A
12.4(11)MD1			
12.4(11)MD2			
CSG2 R4:			
12.4(24)MD CSG2 R4			

## Limitations and Restrictions

This section describes limitations and restrictions that are associated with the MWTM:

- [Provisioning Timeout, page 6](#)
- [External SSH Client Use, page 6](#)
- [Tooltip Text Truncated, page 7](#)
- [Java Exception, page 7](#)
- [Using MWTM With the RealPlayer Plugin Installed, page 7](#)

## Provisioning Timeout

When using the MWTM provisioning feature to modify the management interface, sometimes the operation fails with this message:

```
No prompt response
```

This response can occur when changing the *duplex* or *speed* attributes for the Ethernet interface. The response can also occur for other interface attributes that affect IP connectivity between the MWTM and the device.

The default setting for a provisioning operation timeout is 50 seconds. As a workaround, the system administrator can increase the TGS\_OP\_TIMEOUT attribute in the *System.properties* file to a higher value. You must restart the MWTM server for this change to take effect.

## External SSH Client Use

If you enable the MWTM terminal proxy (**mwtm termproxy**) and use an external SSH terminal client to connect to a device, you might receive a warning message indicating a man-in-the-middle attack. This warning occurs because the MWTM server is operating as an SSH proxy to the device. In this scenario, ignore any warning messages indicating a man-in-the-middle attack. These warnings do not occur if you disable the MWTM terminal proxy or if you use the SSH terminal included with the MWTM.

## Tooltip Text Truncated

The Firefox 2 browser truncates tool tips that contain long text strings (see Firefox bug 218223). The MWTM contains only a few tool tips that exhibit this problem. The problem is resolved in Firefox 3. The problem does not occur when using the Internet Explorer (IE) browser.

## Java Exception

CSCsh15638

The following exception with corresponding stacktrace can occur. The MWTM captures this exception in the *sgmConsoleLog.txt* file:

```
java.net.SocketException: Broken pipe
```

This exception can occur when users access the MWTM web interface and frequently abort connections while the server is under heavy load (for example, during discovery). Clicking the **Stop** button on the web browser or navigating to a different web page before the current page finishes loading can cause this exception to occur.



**Note** The root cause of this condition is an internal bug in the Tomcat web application that ships with this release of the MWTM.

You can safely ignore these log messages.

## Using MWTM With the RealPlayer Plugin Installed

If you use a computer that has the RealPlayer plugin installed, the Provision launch window will not work properly. When you change types on the Provision launch window, the provisioned item list will not refresh.

This is a known issue with the RealPlayer plugin. This issue occurs on both Internet Explorer and Firefox browsers.

Disable the RealPlayer plugin to use the Provision launch window. If you use Internet Explorer, you might need to reboot your computer after disabling the plugin. If you use Firefox, you might need to restart your browser after disabling the plugin.

## New Features and Resolved MWTM Caveats

The following new features and bugs fixes have been fixed in MWTM 6.1.3:

Bug ID	Description
CSCtd95101	Alarms - Add Feature Column and Filter To Alarm and Events Tables
CSCtd15118	Alarms - Include Timestamp And User For Clear Operations In GUI/NBAPI
CSCtc66109	Alarms - Increased Event/Alarm Rates

<b>Bug ID</b>	<b>Description</b>
CSCtf12701	Alarms - Indicate If Alarm is Automatically or Manually Cleared
CSCtc59761	Alarms - Utility/AlarmWindow - Play Alarms Past Certain ID To NBAPI
CSCtc63030	Alarms/Stats - Display Timestamps In Timezone of Device
CSCtc67316	Client - Avg Poll Response In Node Summary Table As Optional Column
CSCtf76728	Client - Display Mask In Address Info Frame Of Interface Details Tab
CSCtb86677	Client - Inventory Export To CSV On All Summary Lists
CSCtg23095	Client - Retain Column Headers In View When Scrolling Windows
CSCtf69871	CrossPlatform - Provisioning Command To Clear Interface Config
CSCtd45345	CSG2 - 4.0 - Billing Plan Stats - Historical DB/CSV Export
CSCtd45354	CSG2 - 5.0 - New Feature Support - Provisioning
CSCtg09641	CSG2 - 5.0 - New Feature Support - Troubleshooting
CSCtb65459	GGSN - 9.2 - eG-CDR Configuration
CSCta01697	GGSN - Monitor Status Of HSRP and Correlate Alarms
CSCsz56993	GGSN - Version 10.0 Compatibility - SingleIP Support
CSCtg86597	Inventory - FileArchive->Inventory Menu
CSCtg16411	LTE - Additional Configuration Features - CSG2
CSCtd34831	LTE - Additional Configuration Features - PGW/SGW
CSCtg16413	LTE - Additional Configuration Features - Static Routes
CSCtg16408	LTE - Additional Configuration Features - Supervisor
CSCtc70925	LTE - Change Time On Network Elements
CSCtd58200	LTE - Create MWTM-OS-Info Files For PDNGW/SGW/PCRF And WebLinks
CSCtg58502	LTE - Display IPv6 Address for an Interface
CSCtd34891	LTE - MWTM Licensing Report
CSCtf37521	LTE - PDNGW/SGW - Discover/Display Primary/Standby Status - Alarms
CSCtf14295	LTE - PDNGW/SGW - Discover/Display Primary/Standby Status - Stats
CSCtd29598	LTE - PDNGW/SGW - Discover/Display Primary/Standby Status - WebGUI
CSCtd15125	LTE - Popup Free Text Field To Create Batch Files From Client
CSCtd09110	LTE - Revision To Mobile GTP Historical Statistics Reports
CSCtg66705	LTE - Subscriber Search - Client
CSCtd34894	LTE - Subscriber Search - Server
CSCtd58728	LTE - Support For IPv6 Addresses In Configuration Operations
CSCtd58720	LTE - Support For IPv6 Addresses In SNMP Poller/Traps



<b>Bug ID</b>	<b>Description</b>
CSCtd32993	LTE - Support IPv4/IPv6 Subscriber Addresses At Same Time
CSCtg79113	LTE - Update APN Details Page For IPv6
CSCtg79038	LTE - Update EPC Reports For Changed MIB Variables
CSCtf99033	LTE - Update LTE MIBs To FCS Approved Versions
CSCta56883	LTE/GGSN - AAA Server State Poller
CSCsz29444	LTE/GGSN - Charging Statistics - Historical DB/CSV Export
CSCtd26875	LTE/GGSN - GTP Path Throughput Statistics - Historical DB/CSV Export
CSCtd99785	LTE/GGSN - Improvements To Usability Of APN Troubleshooting
CSCsq05254	LTE/GGSN - IPv6 Statistics - Historical DB/CSV Export
CSCtd07159	LTE/PDSN - PDNGW/SGW/PDSN - Subscriber Reports
CSCtf89261	Provisioning - Popup Warning Prior To Submission Of Batch File
CSCta60527	Reports - AutoExport Subscriber Reports to CSV Files
CSCtf15081	Reports - Support Separate Aging Values For CSV Report Files
CSCtg33669	Scale - Eliminate Unnecessary cieIfExtension MIB Polls
CSCtg50297	Scale - Improve Polling Time For Device With Large Number of IP Addr
CSCtg33760	Scale - SNMP Trap Processing Optimization
CSCtg30805	Security - Additional Enhancements to Security Requirements
CSCtd73457	Security - Break Active Connections During Disable User
CSCtf22313	Security - Support Per Command User Levels In Troubleshooting
CSCtg79264	Server - Display Mask In Address Info Frame Of Interface Details Tab
CSCtc39299	System - Troubleshooting Log And Viewer With Additional Log Info
CSCtg01260	Troubleshooting - Hide Layer2 Cross Connection Category for LTE/MI2
CSCtd97126	Troubleshooting - Launch Ping Or Traceroutes On Device
CSCth29651	Troubleshooting - Show Current Users Command On IOS
CSCtg99782	WebClient - Add Link To Backup Log Under System Logs
CSCtd75812	WebClient - Menus For Delete/Poll Node and Other Actions
CSCtf67961	WebClient - Quick Search Function For Summary Lists
CSCtf17627	WebClient - Support MOTD Display

## Open MWTM Caveats

- CSCsu02993

**Symptom** When IOS running-config contains the following characters in the object name, MWTM web user interface may exhibit unexpected behavior:

Double quote (“)

Less than (<)

**Conditions** When IOS running-config contains following characters in the object name:

Double quote (“)

Less than (<)

Additional MWTM provisioning or other functions may behave unexpectedly when IOS running-config contains following characters:

!,#,\$,%,&^,\*,(,),'+,=, and ,

**Workaround** Remove special characters from IOS running-config.

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- CSCtf51338

**Symptom** The MWTM web client is very slow or unresponsive when expanding the Default View node in the inventory tree.

**Conditions** Internet Explorer version 6 is being used as the web browser. The network latency between the web client and the MWTM server is very high. MWTM is being used to monitor a medium-sized or large network.

**Workaround** Use a different web browser such as Firefox or Internet Explorer 7 or later.

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## Open Device Caveats

N/A

## Related Documentation

Use this document in conjunction with the following documents:

- *User Guide for the Cisco Mobile Wireless Transport Manager 6.1.3*  
[http://www.cisco.com/en/US/docs/net\\_mgmt/mobile\\_wireless\\_transport\\_manager/6.1.3/user/guide/userguide.html](http://www.cisco.com/en/US/docs/net_mgmt/mobile_wireless_transport_manager/6.1.3/user/guide/userguide.html)
- *Installation Guide for the Cisco Mobile Wireless Transport Manager 6.1.3*  
[http://www.cisco.com/en/US/docs/net\\_mgmt/mobile\\_wireless\\_transport\\_manager/6.1.3/installation/guide/mwtmig.html](http://www.cisco.com/en/US/docs/net_mgmt/mobile_wireless_transport_manager/6.1.3/installation/guide/mwtmig.html)
- *OSS Integration Guide for the Cisco Mobile Wireless Transport Manager 6.1.3*  
[http://www.cisco.com/en/US/docs/net\\_mgmt/mobile\\_wireless\\_transport\\_manager/6.1.3/developer/guide/mwtm613ossig.html](http://www.cisco.com/en/US/docs/net_mgmt/mobile_wireless_transport_manager/6.1.3/developer/guide/mwtm613ossig.html)
- *Supported IOS Releases for the Cisco Mobile Wireless Transport Manager and the Cisco Signaling Gateway Manager*  
[http://cisco.com/en/US/docs/net\\_mgmt/mobile\\_wireless\\_transport\\_manager/6.1.3/ios\\_support/release/IOS\\_comp.html](http://cisco.com/en/US/docs/net_mgmt/mobile_wireless_transport_manager/6.1.3/ios_support/release/IOS_comp.html)

## Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New* in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

This document is to be used in conjunction with the documents listed in the “Related Documentation” section.

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