



# Release Notes for Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3

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These release notes contain information about new and changed support, new and changed functionality, limitations and restrictions, and open and resolved caveats for Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3, up to and including Release 5.3(1.61).

To view the release notes for previous versions of Cisco Unified MeetingPlace H.323/SIP IP Gateway, go to: [http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod_release_notes_list.html).

You can access the latest software upgrades for all versions of Cisco Unified MeetingPlace H.323/SIP IP Gateway on the Cisco Software Center website at <http://www.cisco.com/kobayashi/sw-center/sw-voice.shtml>.

## Contents

- [Introduction, page 2](#)
- [System Requirements, page 2](#)
- [Related Documentation, page 2](#)
- [New and Changed Requirements and Functionality, page 3](#)
- [Installation and Upgrade Information, page 5](#)
- [Limitations and Restrictions, page 5](#)
- [Caveats, page 6](#)
- [Obtaining Documentation, Obtaining Support, and Security Guidelines, page 9](#)



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# Introduction

Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3 works with the Cisco Unified MeetingPlace Audio Server to provide meeting access to callers. The gateway supports up to 960 IP connections. The Audio Server supports connections from up to 16 IP gateway servers; this multigateway support provides network load balancing and system redundancy.

## System Requirements

- [System Requirements for Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3, page 2](#)
- [Compatibility Information, page 2](#)

## System Requirements for Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3

*System Requirements for Cisco Unified MeetingPlace Release 5.4* and *System Requirements for Cisco Unified MeetingPlace Release 6.0* contain the most current information on H.323/SIP IP Gateway requirements. These documents are available at [http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod\\_installation\\_guides\\_list.html](http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod_installation_guides_list.html).

## Compatibility Information

For information about the compatibility of H.323/SIP IP Gateway Release 5.3 with other Cisco Unified MeetingPlace components, see the *Compatibility Matrix: Cisco Unified MeetingPlace Components* at [http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products\\_device\\_support\\_tables\\_list.html](http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products_device_support_tables_list.html).



### Caution

Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3 is not compatible with Cisco Security Agent. We recommend that you do *not* install Cisco Security Agent on a gateway server where H.323/SIP IP Gateway Release 5.3 is or will be installed. If Cisco Security Agent is installed on an end-user system, users will see a security alert when they attempt to use the application-sharing feature. Users can choose to proceed with the feature and use application-sharing without difficulty.

## Related Documentation

For descriptions and locations of Cisco Unified MeetingPlace documentation on Cisco.com, refer to the *Documentation Guide for Cisco Unified MeetingPlace*. The document is shipped with Cisco Unified MeetingPlace and is available at [http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products\\_documentation\\_roadmaps\\_list.html](http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products_documentation_roadmaps_list.html).

The complete documentation set for Cisco Unified MeetingPlace Release 6.x is now available in wiki format at [http://docwiki.cisco.com/index.php/Cisco\\_Unified\\_MeetingPlace\\_Release\\_6.x](http://docwiki.cisco.com/index.php/Cisco_Unified_MeetingPlace_Release_6.x). Cisco community members with CCO passwords can contribute expertise to articles and exchange ideas on the Discussion page associated with each article. For more information, click the **About DocWiki** link at the bottom of any page on the wiki.

The wiki includes documentation for this release of Cisco Unified MeetingPlace H.323/SIP IP Gateway as it is used with Release 6.x of Cisco Unified MeetingPlace.

## New and Changed Requirements and Functionality

- [Release 5.3\(1.61\), page 3](#)
- [Release 5.3\(1.40\), page 3](#)
- [Release 5.3\(1.29\), page 3](#)
- [Release 5.3\(1.5\), page 5](#)

### Release 5.3(1.61)

Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3(1.61) is a maintenance release that contains fixes to defects and product enhancements. See the [“Caveats” section on page 6](#) for a list of these defects and enhancements.

### Release 5.3(1.40)

Removed the management console. System administrators now use the Gateway Configuration utility to configure the Cisco Unified MeetingPlace H.323/SIP IP Gateway. See CSCsg62366 for more information.

### Release 5.3(1.29)

- [Support Session Timer in SIP, page 3](#)
- [Redundant Gateway Configuration, page 4](#)

### Support Session Timer in SIP

Added two new fields to reduce the impact of voice gateway outages:

- **Session Expires Time** (in registry Session-Expires Time) DWORD. This parameter determines how many seconds will elapse before the call is ended if no response is received for the re-INVITE message that the Cisco Unified MeetingPlace H.323/SIP IP Gateway sends. The default value of this parameter is 1800, and the limits are 90 to 86400. If a user sets this value outside the 90 to 86400 interval, then the system uses the default value of 1800.
- **MinSE** DWORD. This parameter determines the Minimum Session-Expires value that the party that should respond to re-INVITE will accept. The default value of this parameter is 1800, and the limits are 90 to 86400. If a user sets this value outside the 90 to 86400 interval, the system uses the default value of 1800.



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**Note** The value of the Minimum Session-Expires parameter must be less than or equal to the value of the Session-Expires parameter; otherwise, the value of the Minimum Session-Expires parameter defaults back to the value of the Session-Expires parameter whenever the Cisco Unified MeetingPlace H.323/SIP IP Gateway is restarted.

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In this release, the Cisco Unified MeetingPlace H.323/SIP IP Gateway sends re-INVITE messages to maintain information about the availability of the other caller and to close audio server ports if the other caller is unavailable for a time period longer than the value of the Session-Expires parameter. It also handles different MinSE parameters when contacting the other caller to use the optimal value of the Session-Expires parameter for the other side.

Refer to SIP RFC 4028 for more details.

## Redundant Gateway Configuration

Added support for two redundant voice gateways (for SIP) or H.323 gateways (for H.323) in the Cisco Unified MeetingPlace H.323/SIP IP Gateway configuration, for a total of three gateways that can be specified.

For example, if there are three gateways and gateway 1 fails, calls are routed to gateway 2. If that fails, calls go to gateway 3, and if that fails, call are routed back to gateway 1.

Failovers, which are for outdialed calls only, can occur for the following reasons. PSTN cause codes are included where applicable:

### SIP Failovers

- Generic timeout
- SIP Response Code 404, when accompanied by the following PSTN cause codes:
  - 2 No route to specified transit network
  - 3 No route to destination
  - 26 Non-selected user clearing
  - 27 Destination out of order
- SIP Response Code 500 Internal server error
- SIP Response Code 503, when accompanied by the following PSTN cause codes:
  - 34 No circuit available
  - 38 Network out of order
  - 41 Temporary failure
  - 42 Switching equipment congestion
  - 47 Resource unavailable

### H.323 Failovers

- All PSTN cause codes indicated above, and also
  - 44 Requested circuit not available
  - 102 Recovery on timer expiry

## Release 5.3(1.5)

Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3(1.5) is a maintenance release that contains fixes to defects and product enhancements. See the “[Caveats](#)” section on page 6 for a list of these defects and enhancements.

## Installation and Upgrade Information

- [Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3 for the First Time](#), page 5
- [Upgrading to Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3](#), page 5

## Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3 for the First Time

For instructions on installing the H.323/SIP IP Gateway, refer to the “Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Software” chapter of the *Administrator’s Guide for Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.2.1* at [http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod\\_maintenance\\_guides\\_list.html](http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod_maintenance_guides_list.html).

## Upgrading to Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3

Upgrading a legacy H.323/SIP IP Gateway system to Release 5.3 requires a legacy third-party Windows server with system specifications comparable to Cisco MCS specifications required for the same deployment. For information on Cisco MCS specifications, go to <http://www.cisco.com/en/US/products/hw/voiceapp/ps378/index.html>.

To upgrade the H.323/SIP IP Gateway, use the installation instructions in the “Installing Cisco Unified MeetingPlace H.323/SIP IP Gateway Software” chapter of the *Administrator’s Guide for Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.2.1* at [http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod\\_maintenance\\_guides\\_list.html](http://www.cisco.com/en/US/products/sw/ps5664/ps5669/prod_maintenance_guides_list.html).

## Limitations and Restrictions

The following caveat has been closed, which means that Cisco acknowledges that there is a problem but is choosing not to fix it. See the “[Using Bug Toolkit](#)” section on page 6 for information about accessing this caveat.

**Table 1** Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3 Closed Caveats

Caveat Number	Severity	Component	Description
<a href="#">CSCsb46040</a>	3	voip	MP IP GW has a possible 1 MB memory leak
<a href="#">CSCsg82089</a>	3	voip	Outdial doesn't work when two IP addresses are configured for the Window

# Caveats

- [Using Bug Toolkit, page 6](#)
- [Open Caveats, page 6](#)
- [Resolved Caveats, page 7](#)

## Using Bug Toolkit

Known problems (bugs) are graded according to severity level. These release notes contain descriptions of the following:

- All severity level 1 or 2 bugs.
- Significant severity level 3 bugs.
- All customer-found bugs.

You can search for problems by using the Cisco Software Bug Toolkit.

### Before You Begin

To access Bug Toolkit, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

### Procedure

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- |               |  |
|---------------|--|
| <b>Step 1</b> | To access the Bug Toolkit, go to <a href="http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs">http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs</a> . |
| <b>Step 2</b> | Log in with your Cisco.com user ID and password.   |
| <b>Step 3</b> | To look for information about a specific problem, enter the bug ID number in the “Search for Bug ID” field, then click <b>Go</b> .   |
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For information about how to search for bugs, create saved searches, and create bug groups, click **Help** in the Bug Toolkit page.

## Open Caveats

The caveats in [Table 2](#) describe possible unexpected behavior in the latest H.323/SIP IP Gateway release. These caveats may also be open in previous releases. Bugs are listed in order of severity and then in alphanumeric order by bug identifier.

**Table 2** Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3 Open Caveats

Caveat Number	Severity	Component	Description
<a href="#">CSCso76802</a>	3	voip	MeetingPlace should not honor 5 digit or longer RSNA prefixes
<a href="#">CSCsm33318</a>	4	mp-docs-ipgw	Application type setting in MP IP is not documented
<a href="#">CSCsm33449</a>	4	voip	Application type setting in MP IP needs to be configurable
<a href="#">CSCsu42770</a>	5	voip	Erroneous warning message in the event log
<a href="#">CSCsd11040</a>	6	voip	SIP call control packets do not have QOS

## Resolved Caveats

This section lists caveats that are resolved but that may have been open in previous releases. Bugs are listed in order of severity and then in alphanumeric order by bug identifier.

Because defect status continually changes, be aware that this document reflects a snapshot of the defects that were resolved at the time this report was compiled. For an updated view of resolved defects, access the Bug Toolkit (see the [“Using Bug Toolkit”](#) section on page 6).

The following sections list caveats that are resolved in the Cisco Unified MeetingPlace H.323/SIP IP Gateway but that may have been open in previous releases:

- [Release 5.3\(1.61\)](#), page 7
- [Release 5.3\(1.40\)](#), page 8
- [Release 5.3\(1.29\)](#), page 8
- [Release 5.3\(0.6\)](#), page 9

### Release 5.3(1.61)

[Table 5](#) lists the caveats that were resolved in Release 5.3(1.61).

**Table 3** Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3(1.61) Resolved Caveats

Caveat Number	Severity	Component	Description
<a href="#">CSCsr74205</a>	1	voip	RSNA transfer failure, SIP stack message pool resource leak
<a href="#">CSCsw20392</a>	1	voip	MP IP Gateway crash when attempting outdial to very long number
<a href="#">CSCso43515</a>	3	voip	Error1722: Did not finish error appears when a repair is done on MPIPG
<a href="#">CSCsu05073</a>	3	voip	RSNA - Call disconnected from two sides issue
<a href="#">CSCsu43256</a>	3	voip	MP IP GW crash with VUI fast restart
<a href="#">CSCsu50884</a>	3	voip	IP phone displays “Unknown number” on LCD after RSNA transfer
<a href="#">CSCsu63065</a>	3	voip	RSNA: IP Communicator LCD displays the “Display Name” only
<a href="#">CSCsd03322</a>	4	voip	MP does not send display name when using SIP
<a href="#">CSCsm17536</a>	4	voip	Garbled caller ID display on calls to MP
<a href="#">CSCsr38615</a>	4	voip	Cannot specify Min-SE and Session Expiry timers on MP IP GW

## Release 5.3(1.40)

Table 5 lists the caveats that were resolved in Release 5.3(1.40).

**Table 4** Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3(1.40) Resolved Caveats

Caveat Number	Severity	Component	Description
<a href="#">CSCsI09093</a>	1	voip	MeetingPlace IP Gateway crash on high RSNA load
<a href="#">CSCsm48537</a>	1	voip	MeetingPlace IP gateway disconnects incoming calls due to lack of resources
<a href="#">CSCsk49202</a>	2	voip	IP Gateway failed handling invite for terminated call leg
<a href="#">CSCsI86062</a>	2	voip	Oudial failures causes MP IP Gateway to stop processing calls for 32 sec
<a href="#">CSCsg62366</a>	3	voip	IP gateway MMC application does not come up reliably
<a href="#">CSCsI15920</a>	3	voip	Oudialing telephone number with a “,” comma fails
<a href="#">CSCsI17154</a>	4	voip	IP gateway crash when service stopped while connecting to audio server
<a href="#">CSCsm75008</a>	4	voip	“H323: Error sending Alerting” error, call disconnect, no error indicated
<a href="#">CSCsm59029</a>	6	mp-docs-ipgw	Document removal of management console

## Release 5.3(1.29)

Table 5 lists the caveats that were resolved in Release 5.3(1.29).

**Table 5** Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3(1.29) Resolved Caveats

Caveat Number	Severity	Component	Description
<a href="#">CSCee57359</a>	1	voip	With 500-600 VoIP calls, MP IPGW can run out of resources
<a href="#">CSCse17518</a>	1	voip	IPGW stops responding to calls during load
<a href="#">CSCse39904</a>	1	voip	IPGW crashes in emaUnlock function
<a href="#">CSCse55999</a>	1	voip	IPGW crashes with Dr. Watson after Audio Server crash
<a href="#">CSCse72575</a>	1	voip	IPGW crash in DisconnectAllCalls when connection to MP server dropped
<a href="#">CSCse86959</a>	1	voip	IPGW crash
<a href="#">CSCsf31532</a>	1	voip	IPGW stops responding when processing IE DisplayName updates
<a href="#">CSCsg50732</a>	1	voip	IPGW: No new calls after simultaneous channel disconnect and hangup
<a href="#">CSCsi62351</a>	1	voip	Failover mechanism should not trigger if nothing to failover to
<a href="#">CSCsj32815</a>	1	voip	IPGW crash during RSNA transfer
<a href="#">CSCse88767</a>	2	voip	IPGW clear text passwords displaying in event log for MeetingPlace
<a href="#">CSCsf18304</a>	2	voip	IPGW 5.2.2.3 stops responding to calls during load
<a href="#">CSCsi34795</a>	2	voip	H.323 gateway address not retained during upgrade
<a href="#">CSCsi36250</a>	2	voip	SIP gateway address not retained during upgrade
<a href="#">CSCsi62861</a>	2	voip	IPGW should not failover for Audio Server error conditions
<a href="#">CSCsj38424</a>	2	voip	Cannot update from 5.3.1.20 IPGW to later versions
<a href="#">CSCsj78701</a>	2	voip	IPGW stop responding
<a href="#">CSCsj78725</a>	2	voip	CCM Release 5.1 RSNA N+1 REFER fails

**Table 5** Cisco Unified MeetingPlace H.323/SIP IP Gateway Release 5.3(1.29) Resolved Caveats (continued)

Caveat Number	Severity	Component	Description
<a href="#">CSCsd18606</a>	3	voip	Open logical channel was initiated too early
<a href="#">CSCsd79923</a>	3	voip	IPGW fails to pass correct DNIS digits if '0' in string (SIP-only)
<a href="#">CSCse06226</a>	3	voip	IPGW failed to negotiate MSD during call-transfer
<a href="#">CSCse27794</a>	3	voip	DSCP value not set; unable to set DSCP (40), error code -2145371137
<a href="#">CSCse33947</a>	3	voip	IPGW immediately tear down the call upon receiving endSessionCommand
<a href="#">CSCse73628</a>	3	voip	SIP: Call rejected, "Sent 488 Not Acceptable Here" in log
<a href="#">CSCse76389</a>	3	voip	Extended logging doesn't work with new stack
<a href="#">CSCsg53779</a>	3	voip	Debug assertion in perfmon counters
<a href="#">CSCsh37225</a>	3	voip	G729A/B support in delay media negotiation
<a href="#">CSCsh86868</a>	3	voip	IPGW tear down the call after receiving Notify with 100 trying
<a href="#">CSCsi09462</a>	3	voip	IPGW return wrong cause code for H323 call when audio server is down
<a href="#">CSCsi84547</a>	3	voip	MeetingPlace call is drop when place on hold via SIP Trunk
<a href="#">CSCsi97176</a>	3	voip	RSNA N+1 between CCM and MP Interoperability
<a href="#">CSCsj23981</a>	3	voip	Outdials fail when no E.164 address configured
<a href="#">CSCsj59095</a>	3	voip	MinSE value cannot be set to max (86400)

## Release 5.3(0.6)

There were no caveats closed in Release 5.3(0.6).

# 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>

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