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).


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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.

Compatibility Information


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


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. 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.
New and Changed Requirements and Functionality

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.

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.
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.

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


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


Limitations and Restrictions

The following caveats 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 caveats.

<table>
<thead>
<tr>
<th>Caveat</th>
<th>Severity</th>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCsb46040</td>
<td>3</td>
<td>voip</td>
<td>MP IP GW has a possible 1 MB memory leak</td>
</tr>
<tr>
<td>CSCsg82089</td>
<td>3</td>
<td>voip</td>
<td>Outdial doesn't work when two IP addresses are configured for the Window</td>
</tr>
</tbody>
</table>
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

Step 1
To access the Bug Toolkit, go to

Step 2
Log in with your Cisco.com user ID and password.

Step 3
To look for information about a specific problem, enter the bug ID number in the “Search for Bug ID” field, then click Go.

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

<table>
<thead>
<tr>
<th>Caveat Number</th>
<th>Severity</th>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCs109093</td>
<td>1</td>
<td>voip</td>
<td>MeetingPlace IP Gateway crash on high RSNA load</td>
</tr>
<tr>
<td>CSCsm48537</td>
<td>1</td>
<td>voip</td>
<td>MeetingPlace IP gateway disconnects incoming calls due to lack of resources</td>
</tr>
<tr>
<td>CSCsk49202</td>
<td>2</td>
<td>voip</td>
<td>IP Gateway failed handling invite for terminated call leg</td>
</tr>
<tr>
<td>CSCsl86062</td>
<td>2</td>
<td>voip</td>
<td>Outdial failures causes MP IP Gateway to stop processing calls for 32 sec</td>
</tr>
<tr>
<td>CSCsg62366</td>
<td>3</td>
<td>voip</td>
<td>IP gateway MMC application does not come up reliably</td>
</tr>
<tr>
<td>CSCsl15920</td>
<td>3</td>
<td>voip</td>
<td>Oudialing telephone number with a “,” comma fails</td>
</tr>
<tr>
<td>CSCsl17154</td>
<td>4</td>
<td>voip</td>
<td>IP gateway crash when service stopped while connecting to audio server</td>
</tr>
<tr>
<td>CSCsm75008</td>
<td>4</td>
<td>voip</td>
<td>“H323: Error sending Alerting” error, call disconnect, no error indicated</td>
</tr>
<tr>
<td>CSCsm59029</td>
<td>6</td>
<td>mp-docs-ipgw</td>
<td>Document removal of management console</td>
</tr>
</tbody>
</table>

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

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


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