

Collaboration System Release Notes for Cisco Collaboration Systems Release 12.1-12.0(1)

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Cisco Collaboration Systems Release 12.1-12.0(1)

As part of our standard methodology for each Cisco Collaboration Systems Release, we:

- Perform system-wide testing of Cisco Collaboration products to supplement the product-level testing performed on each collaboration product.
- Recommend compatible software releases that were verified by the testing teams. The recommendations are not exclusive and are in addition to interoperability recommendations for each of the individual applications or products.

For software compatibility data, see the [Cisco Collaboration Systems Release Compatibility Matrix](#).



Note Software compatibility data for all Cisco Collaboration Systems releases **before 10.5(1)** is available from the [Cisco Collaboration Systems Compatibility Tool](#).



Note Not all Collaboration System product release versions may be available at the same time. For latest product version availability, see individual product support pages at, [Support and Downloads](#).

This document focuses on the Collaboration components tested as part of the Cisco Collaboration Systems Release. For information focused on Contact Center components that were tested as part of Cisco Collaboration Systems Release, see: <https://cisco.com/go/unified-techinfo>.

This document provides release notes details based on the system-wide testing which includes the following types of components:

- Call Control components, such as Cisco Unified Communications Manager, Cisco Unified Communications Manager IM and Presence Service, Cisco Business Edition, and Cisco Unified Communications Manager Express.
- Conferencing components, such as Cisco Meeting Server, Cisco Meeting App, Cisco Meeting Management, Cisco TelePresence Management Suite, Cisco TelePresence Management Suite Provisioning Extension, and Cisco TelePresence Management Suite Extension for Microsoft Exchange.

- Enterprise Edge components, such as Cisco TelePresence Video Communication Server, Cisco Expressway Series, and Cisco Unified Border Element.
- Server Applications, such as Cisco Emergency Responder, Cisco Paging Server, and Cisco Unified Attendant Consoles.
- Cloud and Hybrid Services, such as Cisco Webex Teams, Cisco Webex Meetings for Cisco Collaboration Meeting Rooms (CMR) Cloud, Cisco Webex Meetings Server, and Cisco Webex Meetings.
- Voicemail and Messaging components, such as Cisco Unity Connection and Cisco Unity Express.
- Endpoint components, such as Cisco IP Phone Series, Cisco TelePresence IX5000, Cisco Webex DX80, Cisco TelePresence MX and SX Series, Cisco Jabber, and Cisco Virtualization Experience Media Engine.
- Service Management components, such as Cisco Prime Collaboration.
- Communication Gateway components, such as Cisco Integrated Services Routers (ISR).

Tested Functionality

Feature Testing

In this release, the following features were system-tested.

Licensing

- Cisco Smart Software Licensing for direct and satellite connections:
 - Unified CM and IM and Presence Service
 - Cisco Unity Connection
 - Cisco Emergency Responder
 - Cisco Expressway
 - Cisco Unified Border Element (CUBE)

IPv6 Support

- IPv6-only Cisco IP Phone 7800 and 8800 Series, on-premise Cisco Jabber, and PSTN gateways
For more details on IPv6 Deployment, see: [IPv6 Deployment Guide for Cisco Collaboration Systems Release 12.0](#).

Security

- Transport Layer Security (TLS) 1.2 support for several Cisco Collaboration products
For more details on TLS 1.2 compatibility, see: [TLS 1.2 Compatibility Matrix for Cisco Collaboration Products](#).

Mobility

- Jabber for iOS Push Notifications for voice

For more details, see: [Deploying Push Notifications for Cisco Jabber on iPhone and iPad with Cisco Unified Communications Manager, Release 11.5\(1\)SU4](#).

- SSO support for Jabber for iOS through Mobile and Remote Access (MRA)

Conferencing

- Cisco Meeting Server ad hoc and rendez-vous conferencing
- Single deployment model for on-premise conferencing
- Support for H.265 video and Opus audio codecs

Cisco Webex Hybrid Services (Calendar Service, Call Service Aware, Call Service Connect, Directory Service)

- Hybrid Calling for Places
- Hybrid Media Services
- Cisco Webex Calling for Branch Offices
- Cisco Webex Room OS with SX10
- Cisco Webex remote device licensing and verification
- Home cluster routing, trusted identity

Mid-market

- Mid-market simplification: SCCP 4000, ISR 4000 router support, deployment, day 0/1
- High Availability and Inter-site Dial-Peers for Unified CME
- Cisco Business Edition 7000 and 6000
- Cisco Business Edition Management

Enterprise Serviceability and Manageability

- Improved upgrade time for Unified CM and Cisco Prime Collaboration Deployment
- SAML SSO for OS Admin and DRS pages

Endpoints

- Cisco IP Conference Phone 8832
- Cisco IP Conference Phone 7832
- Cisco Webex Room Kit
- Cisco Webex Room Kit Plus
- Cisco Webex Board

Upgrade Paths

The system-wide functionality testing of Collaboration products for Cisco Collaboration Systems Release 12.0(1) included the following upgrade path.

- Single stage upgrade of collaboration components from Cisco Collaboration Systems Release 11.5(1) to Cisco Collaboration Systems Release 12.0(1). For a list of the Cisco Collaboration Systems Release versions, see the [Cisco Collaboration Systems Compatibility Matrix](#).

New and Changed Features

For details about what is new for Cisco Collaboration Systems Release 12.0(1), see the [Solution Overview](#).

For details about new and changed product features, access individual product release notes from [Product Documentation, on page 7](#).

System Requirements

This section provides information about system requirements for Cisco Collaboration Systems Release 12.1-12.0(1).

End-of-Sale Components

The following components have reached end-of-sale (EOS) status but are still supported.

- Cisco TelePresence Conductor, [End-of-Life and End-of-Sale Notices](#)
- Cisco TelePresence Server, [End-of-Life and End-of-Sale Notices](#)
- Cisco MediaSense, [End-of-Sale and End-of-Life Notices](#)
- Cisco Multiparty Media 400v, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence MCU 4200 Series, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence MCU 4500 Series, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence MCU 5300 Series, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence MCU MSE 8420 Blade, [End-of-Sale and End-of-Life Notices](#)
- Cisco DX650, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence System EX60 and EX90, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence System 500, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence Profile Series, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence System 1100, [End-of-Sale and End-of-Life Notices](#)
- Cisco TelePresence Integrator C Series, [End-of-Sale and End-of-Life Notices](#)
- Cisco Unified IP Phone 6911, 6921, 6941, 6945, 6961, [End-of-Sale and End-of-Life Notices](#)
- Cisco Unified IP Phone 7937G, 7931G, 7942G, 7962G, Cisco Unified IP Phone Expansion Module 7915, Cisco Unified Wireless IP Phone 7925G, 7925G-EX, 7926G, [End-of-Sale and End-of-Life Notices](#):



Note The following are now End-of-Support: 7936, 7906G, 7911G, 7941G, 7961G, 7985G.



Note Cisco Unified Communications Manager Release 12.0(x) does not support some deprecated phone models. For more information, see the related [Field Notice](#).

- Cisco Unified IP Phone 8941, 8945, 8961, [End-of-Sale and End-of-Life Announcement](#)
- Cisco VG202, VG204, and VG224 Analog Voice Gateways, [End-of-Sale and End-of-Life Notices](#)



Note The following are End-of-Support: [Cisco 2800 Series Integrated Services Routers](#), [Cisco 3800 Series Integrated Services Routers](#), VG248 48-Port Analog Voice Gateway.

The EOS date is the last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale. Another process, the end-of-life (EOL) cycle, guides the final business operations associated with the product.

The EOL process consists of a series of technical and business milestones and activities that, when completed, make a product obsolete. After a product becomes obsolete, it is not sold, manufactured, improved, repaired, maintained, or supported.

For information about recommended replacements and a comprehensive list of announcements, see [Products & Services End-of-Sale and End-of-Life Products](#).

For information about specific products, go to [Product/Technology Support](#). Then click **End-of-Sale and End-of-Life** and select products or technologies from the lists to the right.

Go to [End-of-Life Policy](#) for more information about the EOL policy.

Deployment Considerations

This section lists deployment considerations for Cisco Collaboration Systems Release. Cisco Collaboration Systems validation does not test every rebuild. Therefore, more regression testing in a customer or Cisco-specific certification lab is recommended before deployment.



Note For your reference, design documents are located at:

<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-system/products-implementation-design-guides-list.html>

When deploying Cisco Collaboration Systems in a customer environment, consider the following.

- At the minimum, customers should deploy the software release recommended in:

[Cisco Collaboration Systems Compatibility Matrix](#)



Note For compatibility information before Collaboration Systems Release 10.5, refer to the Compatibility Tool:
<http://vtgsca.cloudapps.cisco.com/ITDIT/vtgsca/VTGServlet>.

- For other software components, customers should use the most current rebuild of a maintenance release. For IOS, information about the latest releases, including deferral advisories, is available at:
<http://tools.cisco.com/ITDIT/CFN/jsp/index.jsp>
- If the recommended release has been deferred to a subsequent release, customers should use the subsequent release.
- Before deploying a release, examine the open caveats in the chosen release to determine if any affect your implementation. Open caveats can be viewed through the Bug Search tool, located at:
<https://tools.cisco.com/bugsearch/>
- Deploy the chosen release in a lab environment that uses the same product components as the customer's product components before moving to a production environment.

Latest Software Upgrades and Licenses

The following are links to the latest software upgrades for Cisco Collaboration Systems Release components.

To launch the Product Upgrade Tool, go to:

<http://tools.cisco.com/gct/Upgrade/jsp/index.jsp>

To download the latest software for all other components, go to:

<https://software.cisco.com/download/home>

Component Versions

For current Cisco Collaboration Systems Release 12.1-12.0(1) compatible component versions, refer to the [Cisco Collaboration Systems Compatibility Matrix](#).



Note For compatibility information before Collaboration Systems Release 10.5, refer to the Compatibility Tool:
<http://vtgsca.cloudapps.cisco.com/ITDIT/vtgsca/VTGServlet>.



Note Product-specific compatibility documents provide complete compatibility information between components.



Note Not all Collaboration System product release versions may be available at the same time. For latest product version availability, see individual product support pages at, [Support and Downloads](#).



Note You can set up a virtualized environment by running collaboration applications on a virtual machine on a Unified Computing System (UCS). For more details, including UCS hardware information and third-party requirements, see:

<https://www.cisco.com/go/uc-virtualized>



Note Cisco Hosted Collaboration Solution (Cisco HCS) is a hosted solution that includes various Cisco Collaboration Systems release components. For more information about Cisco HCS, see: [Cisco Hosted Collaboration Solution](#) and [Cisco HCS Product Support](#).

Related Documentation

System Documentation

For high-level information about the Cisco Collaboration Systems, see Cisco Collaboration Systems documentation at

<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-system/tsd-products-support-series-home.html>.

For more information about specific hardware recommendations or bills of material for each product, see [System Requirements, on page 4](#).

Managed Services Documentation

For information about managed services of certain products, refer to the product support documentation. For example, see the [Managed Services Guide for Cisco Unified Communications Manager and IM and Presence Service, Release 12.0\(1\)](#).

Product Documentation

The following table provides links to product documentation for the major Collaboration Systems Release 12.1/12.0(1) components. The table provides links to:

- **Product Support** pages, from which you can access technical documentation such as release notes, design, installation, configuration, and troubleshooting guides.
- **Product Information** pages, from which you can access marketing material such as product data sheets.



Note For details about component versions, see [Component Versions, on page 6](#).

Table 1: Related Documentation Links

Component	Links
Call Control	

Component	Links
Cisco Unified Communications Manager	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Troubleshooting • Product Information
Cisco Unified Communications Manager IM & Presence Service	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Business Edition 6000	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Business Edition 7000	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product information
Cisco Unified Communications Manager Express	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Unified Survivable Remote Site Telephony	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Contact Center	
Cisco MediaSense (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Conferencing	

Component	Links
Cisco Meeting Server	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Meeting App	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes
Cisco Meeting Management	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes
Cisco TelePresence Management Suite	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence Management Suite Provisioning Extension	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence Management Suite Extension for Microsoft Exchange	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence Server on Virtual Machine (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence Server on Multiparty Media 820 (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence Conductor (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information

Component	Links
Cisco TelePresence MCU 5300 Series (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Collaboration Meeting Rooms (CMR) Cloud	<ul style="list-style-type: none"> • Support • Product Information
Cisco Collaboration Meeting Rooms (CMR) Hybrid	Release Notes, Support, and Product Information
Enterprise Edge	
Cisco TelePresence Video Communication Server	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Expressway Series	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Unified Border Element	<ul style="list-style-type: none"> • Support • Product Information
Server Applications	
Cisco Emergency Responder	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Unified Attendant Console Standard	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Unified Attendant Console Advanced	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information

Component	Links
Cloud and Hybrid Services Applications	
Cisco Webex Teams	Message, Meet, Call
Cisco Webex Devices	Supported Devices and Applications
Cisco Webex Board	Supported Devices and Applications
Cisco Webex Hybrid Services	<ul style="list-style-type: none"> • Hybrid Services Calendar • Hybrid Services Call
Cisco Directory Connector	Hybrid Services Directory
Cisco Expressway Series	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Webex Meetings Server	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Webex Meetings	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Voicemail and Messaging	
Cisco Unity Connection	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Unity Express	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Endpoints	

Component	Links
Cisco DX70	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Webex DX80	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Webex Room Kit	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Webex Room Kit Plus	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco DX650 (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence System EX Series (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence System 500-32 (EOS)	<ul style="list-style-type: none"> • Support • Product Information
Cisco TelePresence System 500-37 (EOS)	<ul style="list-style-type: none"> • Support • Product Information
Cisco TelePresence IX5000	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information

Component	Links
Cisco TelePresence MX Series	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence SX Series	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence System 1100 (EOS)	<ul style="list-style-type: none"> • Support • Product Information
Cisco TelePresence Integrator C Series (EOS)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco TelePresence Precision 60 Camera	<ul style="list-style-type: none"> • Support • Product Information
Cisco IP Phone 7800 Series	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco IP Phone 8800 Series	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Jabber for Android	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Jabber iPhone and iPad	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information

Component	Links
Cisco Jabber for Mac	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Jabber for Windows	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Service Management	
Cisco Prime Collaboration (Provisioning, Assurance)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Prime Collaboration (Deployment)	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes • Product Information
Cisco Prime License Manager	<ul style="list-style-type: none"> • Support <ul style="list-style-type: none"> • Release Notes
Communication Gateways	
Cisco IOS 15 M&T	<ul style="list-style-type: none"> • Support
Cisco IOS XE 16	<ul style="list-style-type: none"> • Support
Cisco 2900 Series Integrated Services Routers	<ul style="list-style-type: none"> • Support • Product Information
Cisco 3900 Series Integrated Services Routers	<ul style="list-style-type: none"> • Support • Product Information
Cisco 4400 Series Integrated Services Routers	<ul style="list-style-type: none"> • Support • Product Information

Limitations and Restrictions

If you are a Cisco partner or a registered cisco.com user with a Cisco service contract, you can use the Bug Search Tool to find caveats of any severity for any release. Access the Bug Search Tool at: <https://bst.cloudapps.cisco.com/bugsearch/>.

We offer a Cisco Notification Service that allows you to set up one or more profiles that enable you to receive email notification of new Field Notices, Product Alerts, or End of Sale information for the products that you select. The Product Alert Tool is available at: <https://www.cisco.com/cisco/support/notifications.html>.



Note Not all caveats documented in this section are applicable to the Collaboration system environment or deployment scenarios. They have been included for information purposes only.

Important Notes

This section includes important notes related to the testing of Cisco Collaboration Systems Release 12.1/12.0(1) and includes the following issues:

DHCPv6 as Default for Dual-stack DX

If you configure a DX with CE build as dual-stack endpoint on Unified CM, you won't see an IPv6 address on the endpoint. To allow the endpoint to use an IPv6 address, turn on the DHCP IPv6 setting under the endpoint's network configuration. For more details, see [CSCvi49092](#).

TFTP Server Address Not Automatically Updated

If you try to reconfigure a DX endpoint from IPv6 to IPv4, the TFTP server address does not automatically get updated to IPv4. To work around this issue, you can either do a factory reset of the device, or change the addressing mode on the device to IPv4. For more details, see [CSCvi49095](#).

Unified CM IP Address Not Displayed When Setting Up CE Device

The Unified CM IP address is not displayed when setting up your CE device. You will see the following in the display: **A Cisco UCM service at <IP address> is available in your network.** However, the phone registration works and you can continue with the phone setup. For more details see, [CSCvi49099](#).

Intermittent CCM Core Dump in SIPHandler for Options Ping Over TLS

Intermittently there are CCM process core dumps in the SIPHandler process while sending the Options Ping over a TLS-enabled SIP trunk. There is currently no workaround. See [CSCvc05283](#) for more details.

Conference Bridge Cannot Register as IPv6 Entry

When Unified CM and IOS gateways are in dual-stack mode, an IOS conference bridge cannot register as an IPv6 entry. Initially the conference bridge registration results in a rejected status. Then, after a few seconds, it automatically registers with Unified CM as an IPv4 entry. The IPv6 entry status shows **None**. There is no known workaround. See [CSCvd42357](#) for more details.

Unified CM Not Sending SIP Message Session IDs

Unified CM is not including Session IDs for some SIP messages. There is no workaround. For more details, see [CSCve66877](#).

Cisco Prime Collaboration Deployment Running After Upgrade

When running multiple upgrade tasks on Cisco Prime Collaboration Deployment with one cluster having several nodes, it causes Cisco Prime Collaboration Deployment to be stuck in acquiring lock for updating databases.

To fix this issue, restart Cisco Prime Collaboration Deployment Tomcat and either:

- Resume the tasks and complete the remaining server upgrades.
- Cancel the tasks and upgrade the remaining servers manually.

For more details, see [CSCvf43173](#).

show dspfarm profile Information Not Displayed

In calls from endpoints that don't support Keypad Markup Language (KPML), the show dspfarm profile command doesn't show the actual resources being used. The profile shows only the SCCP connections. For more details, see [CSCvd91119](#).

Caller-ID Not Changed After Transfer

On Cisco Webex Call phones, the caller-ID is not updated properly after a transfer from enterprise phones. For more details, see [CSCve56223](#).

Can't Retrieve Directory Information in Contact Search

In an IM and Presence Service inter-cluster peering deployment when Unified CM and IM and Presence Service are configured with Active Directory, you are unable to search for contacts in a remote cluster. You can successfully find contacts in your local cluster. For more details, see [CSCvf27648](#).

Support for Hostname When Configuring InformaCast Wizard

If you enter the FQDN of the InformaCast server on the Connecting to InformaCast page of the wizard, the install wizard for Emergency Notifications Paging may fail to connect to InformaCast. To work around this potential issue, enter the IP Address instead of the FQDN of the InformaCast.

For more details, see [CSCvf58052](#).

Cisco Expressway or VCS Application Error

Sometimes Cisco Expressway or Cisco VCS reports an application error reporting that an unexpected software error was detected, and the internal application process restarts automatically. For more information, see [CSCvc06946](#).

PVDM2-DM and NM-HDV2 Modules Not Supported

Effective with Cisco IOS Release 15.6(2)T, PVDM2-DM and NM-HDV2 modules are not supported on Cisco 2900 Series Integrated Services Routers. For more information, see [Cross-Platform Release Notes for Cisco IOS Release 15.6M&T](#).

Unified CM Phantom IP Addresses When Discovered by VCS

In a Mobile Remote Access (MRA) environment consisting of MRA endpoints, Unified CM, and VCS, MRA endpoints may not register if stale database entries are present. To work around this issue, you can clear the old IPs. For more information, see [CSCuy48059](#).

High Availability Support for Out-of-Band DTMF Interworking

DTMF does not work during and after failover for any call established through CUBE with:

- RFC 2833 to out-of-band DTMF Interworking
- Out-of-band to RFC 2833 DTMF Interworking
- Out-of-band to out-of-band DTMF

Once failover happens, for DTMF to work, call again.

For more information, see [CSCus57502](#).

Intermittent Calls to Destination Fail Through TLS Trunk

Calls fail intermittently when two TLS trunks are configured with same destination IP and port number. To work around this issue, configure two TLS trunks with same destination IP and different port number. Or configure two TLS trunks with different destination IP but same port number. For more information, see [CSCus63305](#).

Secure SIP Trunk Security Profile Considerations

For a Cisco Extension Mobility Cross Cluster (EMCC) solution, a Secure SIP Trunk profile cannot be configured on the special EMCC SIP Trunk. This means that Transport Layer Security (TLS) will not be used to encrypt signaling for any calls that are initiated by the Home cluster to a Visiting cluster Local Route Group or PSTN gateway. For more information, see [CSCtw76154](#)

Show Connection Status Not Updated After Unified Communications Manager Failover for Jabber in Mobile and Remote Access Deployment

When Jabber is registered using Mobile and Remote Access, the “Connection status” window shows connected address as the primary Unified Communications Manager, even after a Unified Communications Manager failover has happened, and the client is registered to the secondary Unified Communications Manager. For more information, see [CSCuo89949](#).

Open Caveats

The following table lists known caveats, grouped by severity, related to Cisco Collaboration Systems Release 12.1/12.0(1) testing. It also includes caveats from previous releases, which were not resolved at the time this document was written.

Click the linked caveat number in the Identifier column to access more caveats details in the Bug Search Tool.

For information about a defect not listed in the table, go to [Bug Search Tool](#).

For information about known issues with Cisco Webex Hybrid Services, go to [Help Central: Cisco Cloud Collaboration Management - Known Issues](#).

Table 2: Open Caveats

Identifier	Headline
Severity 2-3 Caveats	
CSCvg47019	Cert sync cause CPU hike/expired certs contradiction with UI and certN logs
CSCvg94731	jabber MRA/edge users signin failure due to delayed oauth response code
CSCve56223	Caller-ID not changed after transfer since Expressway-c doesn't update P-Asserted-Identity
CSCvf79013	Learned Directory URIs missing from CUCM after upgrade
CSCvf27648	Not Able to Retrieve Directory Information in Contact Search
CSCvf58226	On DX 70(secure) getting security lock icon, when conference call with non-secure & Secure endpoint
CSCvc90172	Cannot upgrade ESXi based vCUE without re-installing licenses
CSCvc90183	Upgrading ESXi based vCUE requires completing setup wizard
CSCvf33824	In Blind transfer, Intermittent one way audio media path establishment with IPV6 SIP Trunks
CSCvf43317	Intermittent Call failure in Hold-resume over SME secure SIP trunk calls
CSCvf59204	ccm Coredump cause by memory to heap corruption
CSCva33771	SX 20 encrypted call doesn't show secure lock icon after a few secs
CSCva54693	voip_rtp_allocate_port: Possible port leak? , when call goes on hold
CSCva74409	BFCP Share fails with SX80
CSCvb38243	TMS Scheduled conf of OBTP type with DX70 not getting dismiss & remind
CSCvc06946	cm core - OpenSSL_SSL, JAXConnection
CSCux75274	Observing audio distortion/no audio during failover for ~10 seconds
CSCuz60900	No Hold option on SX endpoints when using Remote
CSCuz60922	No Option to MERGE when using Remote on SX10
CSCuz78022	"Call not encrypted" message displayed on OSD for encrypted call when ot
CSCuv11962	One-way audio & video issue on SX20[Edge] endpoint
CSCut40663	8945 stream statistics shows "0" for encrypted during secure call
CSCuu32156	AD group search failed for Jabber for Android

Identifier	Headline
CSCur42059	TC endpoints do not show lock icon on the display

Troubleshooting

For troubleshooting information, tips, and recommendations related to Cisco Collaboration Systems Releases, see:

- Product Troubleshooting Guides located under product Support pages:
[Product Documentation, on page 7](#)

Documentation Changes

Table 3: Cisco Collaboration Systems Release 12.1/12.0 Documentation Changes

Document	Date	Change
Cisco Collaboration Systems Release Compatibility Matrix	September 26, 2018	For CSR 12.1, updated the recommended product versions for: <ul style="list-style-type: none"> • Cisco Meeting Server to 2.4 • Cisco Meeting App to 1.11 • Cisco Meeting Management to 1.1 • Cisco DX70, Cisco Webex DX80, Cisco Webex Room Kit, Cisco Webex Room Kit Plus, and Cisco TelePresence MX and SX Series to CE9.5.0
Cisco Collaboration Systems Release Compatibility Matrix	September 21, 2018	For CSR 12.1, updated the recommended product versions for: <ul style="list-style-type: none"> • Cisco Unified Communications Manager from 12.0(1)SU1 to 12.0(1)SU2 • Cisco TelePresence Video Communication Server and Cisco Expressway Series from X8.11 to X8.11.2

Document	Date	Change
Cisco Collaboration Systems Release Compatibility Matrix	August 31, 2018	<p>For CSR 12.1, removed minimum product versions for:</p> <ul style="list-style-type: none">• Cisco TelePresence Management Suite• Cisco TelePresence Management Suite Provisioning Extension• Cisco TelePresence Management Suite Extension for Microsoft Exchange <p>For CSR 12.1, corrected recommended product versions for:</p> <ul style="list-style-type: none">• Cisco Unified Communications Manager Express• Cisco Unified Survivable Remote Site Telephony• Cisco Unified Border Element• Cisco ASR 1000 Series Aggregation Services Routers• Cisco 4000 Series Integrated Services Routers

Document	Date	Change
Cisco Collaboration Systems Release Compatibility Matrix	August 27, 2018	For CSR 12.1, updated recommended product versions for: <ul style="list-style-type: none"> • Cisco Unified Communications Manager Express • Cisco Unified Survivable Remote Site Telephony • Cisco TelePresence Management Suite • Cisco TelePresence Management Suite Provisioning Extension • Cisco TelePresence Management Suite Extension for Microsoft Exchange • Cisco Unified Border Element • Cisco Jabber • Cisco Jabber Softphone for VDI - Windows • Cisco Prime Collaboration Assurance and Analytics • Cisco Prime Collaboration Deployment • Cisco ASR 1000 Series Aggregation Services Routers • Cisco 4000 Series Integrated Services Routers Added entry for Cisco Headset 500 Series.
Collaboration System Release Notes for Cisco Collaboration Systems Release 12.0(1)	July 2, 2018	Updated Cisco Spark to Cisco Webex.

Document	Date	Change
Cisco Collaboration Systems Release Compatibility Matrix	July 2, 2018	

Document	Date	Change
		<p>Updated Cisco Spark to Cisco Webex.</p> <p>For CSR 11.5, updated recommended product versions for Unified CM and IM and Presence Service from 11.5(1)SU3 to 11.5(1)SU5.</p> <p>For CSR 12.1, updated recommended product versions for:</p> <ul style="list-style-type: none"> • Cisco Unified Communications Manager Express • Cisco Unified Survivable Remote Site Telephony • Cisco Meeting Server • Cisco Meeting App • Cisco TelePresence Server • Cisco TelePresence Content Server • Cisco TelePresence Conductor • Cisco TelePresence MCU 5300 Series • Cisco TelePresence MCU MSE 8510 • Cisco TelePresence Video Communication Server • Cisco Expressway Series • Cisco Unified Border Element • Cisco Unified Attendant Console Standard • Cisco Unified Attendant Console Advanced • Cisco Webex Meetings Server • Cisco DX70 and Webex DX80 • Cisco Webex Room Kit and Kit Plus

Document	Date	Change
		<ul style="list-style-type: none">• Cisco TelePresence System EX60 and EX90• Cisco TelePresence IX5000• Cisco TelePresence Profile Series• Cisco TelePresence MX and SX Series• Cisco TelePresence Integrator C Series• Cisco TelePresence SpeakerTrack 60• Cisco TelePresence Precision 60 Camera• Cisco TelePresence Touch• Cisco IP Phone 7800 and 8800 Series• Cisco Jabber• Cisco Jabber Guest• Cisco Jabber Software Development Kit• Cisco Prime Collaboration Provisioning• Cisco Unified SIP Proxy• Cisco ASR 1000 Series Aggregation Services Routers• Cisco 4000 Series Integrated Services Router• Operating System

Document	Date	Change
Collaboration System Release Notes for Cisco Collaboration Systems Release 12.0(1), Feature Testing	July 2, 2018	For CSR 12.1: <ul style="list-style-type: none"> • In Licensing section, removed Cisco Prime Collaboration Deployment. • In Mobility section, added link to <i>Deploying Push Notifications for Cisco Jabber on iPhone and iPad with Cisco Unified Communications Manager</i>. • In Cisco Spark Hybrid Services section, removed Desk phone pairing in Cisco Spark.
Collaboration System Release Notes for Cisco Collaboration Systems Release 12.0(1), End-of-Sale Components	July 2, 2018	For CSR 12.1, added Cisco TelePresence Conductor and Cisco TelePresence Server.

Document	Date	Change
Collaboration System Release Notes for Cisco Collaboration Systems Release 12.0(1), Important Notes	July 2, 2018	<p>For CSR 12.1, added the following important notes:</p> <ul style="list-style-type: none"> • DHCPv6 as Default for Dual-stack DX: CSCvi49092 • TFTP Server Address Not Automatically Updated: CSCvi49095 • Unified CM IP Address Not Displayed When Setting Up CE Device: CSCvi49099 • Intermittent CCM Core Dump in SIPHandler for Options Ping Over TLS: CSCvc05283 • Conference Bridge Cannot Register as IPv6 Entry: CSCvd42357 <p>For CSR 12.1, removed the following important notes:</p> <ul style="list-style-type: none"> • Job Scheduler Submit Date Time Error: CSCve68409 • IM and Presence Service Interoperability with Expressway-C • Active Control in Multistream Mode: CSCut47719 • Call Preservation Not Supported on Cisco VCS in Mobile and Remote Access Deployment: CSCul67670
Collaboration System Release Notes for Cisco Collaboration Systems Release 12.0(1), Open Caveats	July 2, 2018	<p>For CSR 12.1, added the following open caveats:</p> <ul style="list-style-type: none"> • CSCvg47019 • CSCvg94731 <p>For CSR 12.1, removed the following caveats:</p> <ul style="list-style-type: none"> • CSCuw94161 • CSCuz69449

Document	Date	Change
Collaboration Test Bed Description for CSR 12.0(1)	July 2, 2018	Updated Cisco Spark to Cisco Webex. For CSR 12.1, removed the following from SEA test bed: <ul style="list-style-type: none"> • One Hybrid Media Node • Microsoft Lync Server/gateway
Cisco Collaboration Systems Release Compatibility Matrix	June 25, 2018	Corrected product versions for Cisco Unified Workforce Optimization from 11.6(1) to 11.5(1).
Cisco Collaboration Systems Release Compatibility Matrix	January 2, 2018	Updated recommended product versions for: <ul style="list-style-type: none"> • Cisco DX70 • Cisco DX80 • Cisco Spark Room Kit • Cisco Spark Room Kit Plus • Cisco TelePresence MX Series • Cisco TelePresence SX Series
Cisco Collaboration Systems Release Compatibility Matrix	December 21, 2017	Added new product: <ul style="list-style-type: none"> • Cisco Meeting Management Updated recommended product versions for: <ul style="list-style-type: none"> • Cisco Unified Communications Manager • Cisco Meeting Server 1000 and Acano X-series • Cisco Meeting App • Cisco Prime Collaboration Assurance and Analytics

Document	Date	Change
Cisco Collaboration Systems Release Compatibility Matrix	November 15, 2017	Updated recommended product versions for: <ul style="list-style-type: none"> • Cisco Unity Express • Cisco Prime Collaboration Assurance and Analytics
Cisco Collaboration Systems Release Compatibility Matrix	October 4, 2017	Added new product: <ul style="list-style-type: none"> • Cisco IP Conference Phone 8832 Updated recommended product versions for: <ul style="list-style-type: none"> • Cisco TelePresence Server • Cisco Jabber for iPhone and iPad • Cisco Prime Collaboration (Provisioning)
Collaboration System Release Notes for Cisco Collaboration Systems Release 12.0(1), Tested Functionality	October 4, 2017	Added new feature tested: <ul style="list-style-type: none"> • Cisco IP Conference Phone 8832

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