



Cisco TelePresence Content Server Release 7.2 Release Notes

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This release notes describe the changes and improvements included in the Cisco TelePresence Content Server Software Release 7.2.

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New Hardware and Software Features

New Software Features

1. TLS support to secure SIP signaling:

TCS 7.2 supports SIP TLS over TCP for secure SIP signaling. SIP TLS uses port 5061 for transferring encrypted sip messages. Follow TCS 7.2 administration and user guide for SIP TLS configuration on TCS and CUCM.

SIP-TLS compatibility Matrix:

Supported TLS Version	TLS 1.0, TLS 1.1, TLS 1.2
Certified CUCM Version	9.1.2, 10.5, 11.0, 11.5
Cisco SSL Version	6.1.140

2. FTPS support for VBrick DME:

Support for transferring media securely using FTPS to VBrick Distributed Media Engine (DME) is added in TCS 7.2. Now TCS would be supporting both FTP and FTPS as file transfer protocol for transferring media to VBrick DME. The selected default file transfer protocol is ftp on both TCS and DME however user can configure FTP or FTPS for transferring the media files to DME.

TCS 7.2 M3/M4/BE7K/Third Party OVA Specifications

CPU	12v CPU (12 Virtual Sockets, 1 core per socket)
RAM	8 GB
Hard Disk	550 GB HDD
Hyper Threading	Enabled
Note	TCS 7.2 VM is supported on Cisco UCS M3, M4 hardware and any Third Party hardware with minimum above specified resources available.

TCS 7.2 BE6K OVA Specifications

UCS	C220 M3
CPU	2 Virtual CPU
RAM	4 GB
Hyper Threading	Disabled
This hardware specifications for TCS as VM on BE6K hardware.	

Tested Third Party Hardware Details

Machine Make	HP
Machine Model No	ProLiant ML350p Gen8
CPU Cores	6 CPUs x 2.094 GHz
Processor Type	Intel(R) CPU E5-2620 v2 @ 2.10GHz
RAM	8 GB
Hard Disk	900x2 GB

Install TCS

There is no change in TCS installation. Follow the below guides for TCS installation:

[Installation Guide for Green Field Customers](#)

[Installation Guide for Existing Customers](#)

Upgrade Path

There is a direct upgrade path from TCS 7.0/TCS 7.1 to TCS 7.2. User can copy the TCS 7.2 Setup Utility on TCS Server and upgrade directly from TCS 7.0 or TCS 7.1 to TCS 7.2. There is no direct upgrade path from TCS 6.x to TCS 7.2.



Note

3rd transcoding engine will be available in TCS only with the above specified OVA specification.

If existing TCS box is having less resources, follow one of the below methods to upgrade TCS:

Method 1

-
- Step 1** Increase resources on VM from 8 cores to 12 cores.
- Step 2** Upgrade TCS to 7.2
- 3 parallel transcoders will be available.

Method 2

-
- Step 1** Upgrade TCS to 7.2 without changing resources.
- 2 parallel transcoders will be available
- Step 2** Increase resources on VM from 8 cores to 12 cores.
- Step 3** Run TCS repair.
- 3 parallel transcoders will be available.

Content Server Compatibility Matrix

Table 1 *Cisco Show and Share and Content Server Software Compatibility*

Software Version	Show and Share 5.2.2	Show and Share 5.2.3	Show and Share 5.3 and 5.3 Patch 1	Show and Share 5.5	Show and Share 5.6.2
Content Server 7.2	N	N	Y	Y	Y
Note SNS versions prior to 5.6.2 are supported after installing CSCuy12941 patch on SNS					

Table 2 *Cisco MXE 3500 and Content Server Software Compatibility*

Software Version	MXE 3.2	MXE 3.3	MXE 3.5
Content Server 7.2	N	Y	Y

Table 3 *VBrick and Content Server Software Compatibility*

Software Version	VBrick Rev 7.11	VBrick DME 3.11.0
Content Server 7.2	Y	Y

Limitations and Restrictions

- For TCS 7.2 there is no on-box streaming server as Windows Server 2012 doesn't support Windows Media Streaming server. For live streaming, TCS needs to be configured with an external streaming server.
- Multicast content delivery from Windows media services is not supported on Windows 2012 Standard Edition. An External Media Server can be used for unicast and multicast streaming.
- The Content Server does not support running Windows services such as Active Directory Domain Services (ADDS), DNS server, or file services. You should configure an external server for all Windows-based services.
- MCU pin protected conference using SIP will not work if MCU is behind Conductor.
- The H.264 codec used in MPEG-4 file format of TCS are not much capable of rendering dense documents (with less whitespaces) in presentation. To improve the quality of the recording, font size in the presentation document can be increased or the recording output size can be reduced to medium in TCS recording template so that the whitespaces can be distributed in the document(CSCvg07146).

Known Issues

- During third party hardware certification, TCS UI didn't show up though TCS is successfully installed and all the services were functioning. To ensure that installation of TCS Software gets installed on third party hardware, please make sure correct date and time are configured. To check, do the following:
 - Go to **ESXI > Configuration > Time Configuration > Properties**. Update the correct date and time (CSCus76714).
- Audio only recording with SIP is not supported in TCS 7.2.
- Pin protected endpoint playback does not work with SIP.
- If you change the domain name of a third-generation Content Server and then run **Windows Server Backup**, the system could return this error message: *“The Block Level Backup Engine Service has been disabled. Enable the service and then restart Windows Server Backup”*.

- The workaround is to start the Windows service called **Virtual Disk**, and then launch **Windows Server Backup**. If starting the Virtual Disk service does not resolve the issue, you should uninstall and reinstall the **Windows Server Backup** feature. (CSCuo29694)

Browser Issues

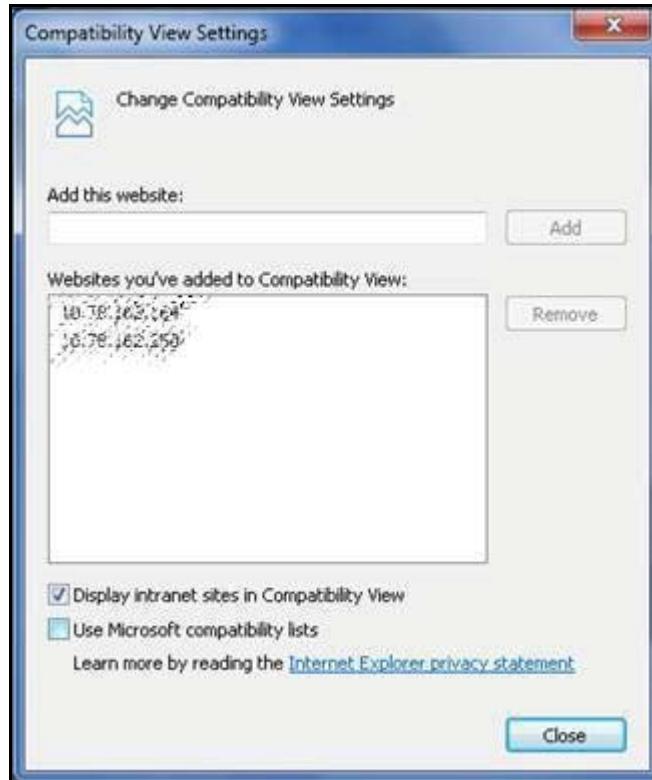
Table 4 *Browser Issues*

Browser	Issue	Workaround
IE 11	<ul style="list-style-type: none">• WMV and QuickTime recordings may not play in IE 11	To play WMV and QuickTime recordings, the Content Server site must be added to the compatibility view list as shown in Figure 1 .

Table 4 Browser Issues

Browser	Issue	Workaround
Firefox	<ul style="list-style-type: none"> • WMV Recordings may not be viewable in the content editor. • After playing a WMV recording on Firefox, the following error might appear and Firefox stops responding: <i>“Microsoft Windows Media Player Firefox plugin may be busy or it may have stopped responding. You can stop the plugin now, or you can continue to see if the plugin will complete. Continue or Stop Plugin?”</i>. 	There are no workarounds.
	<ul style="list-style-type: none"> • When using Windows Media player with Firefox in HTTPS mode, the system could return this error message even if you have installed the required plugin <i>“Windows Media player is not installed on your computer. To play Windows Media in Firefox, you need to install a special plugin”</i>. 	<ul style="list-style-type: none"> • Use IE10 or IE11 • Use HTTP instead of HTTPS. For more information about installing the required plugin, see https://support.mozilla.org/en-US/kb/play-windows-media-files-in-firefox?esab=a&s=Windows+Media+Player&r=2&as=s
	<ul style="list-style-type: none"> • Sometimes IIS transcoded recording shows blank playback 	<ul style="list-style-type: none"> • Using IE 11 and Silverlight 5.1 plug-in, user can able to play the recording without any issues. • The recording can be played using FireFox with Windows Media Player plug-in by selecting other formats options in the player window without any issues. • Using FireFox 3.5x and Silverlight 5.1 plugin, user can able to play the recording without any issues.

Figure 1 *Compatibility View Setting*



List of the supported playback formats with HTTPS.

Table 5 *Supported HTTPS Playback Formats*

Protocol	Format	Stream	Server	Supported
HTTPS	WMV	Live	WMS	No
HTTPS	WMV	VoD	WMS	No
HTTPS	WMV	VoD	IIS	Yes
HTTPS	MP4 Flash	Live	Wowza	Yes
HTTPS	MP4 Flash	VoD	IIS	No
HTTPS	MP4 Flash	VoD	Wowza	Yes

Supported Platforms, Browsers, and Plug-ins

TCS Platform	Browsers	Silver Light	Flash	Windows Media Player Plugin
Content Server 7.2	Mozilla Firefox 47, 48	5.1	22.0.0.209	7.6
	Internet Explorer 11	5.1	22.0.0.209	7.6

Open Caveats

Following is the list of the open caveats in Content Server Release 7.2.

Table 6 Content Server Release 7.2 Open Caveats

Reference ID	Summary
CSCuz61556	TCS without PR doesn't check the suffix of the recording alias

Resolved Caveats

Following is the list of the resolved caveats in Content Server Release 7.2.

Table 7 Content Server Release 7.2 Resolved Caveats

Reference ID	Summary
CSCvb11787	TCS Not Reporting/Enabling the correct amount of TO Engines
CSCva96719	Content Server - API for LDAP users/objects not working in S6.2
CSCva71580	Vulnerabilities in libxml2 version 2.9
CSCva67373	Vulnerabilities in dot Net framework for windows Server 2012 R2
CSCuz52456	Evaluation of tcs for OpenSSL May 2016
CSCuz39278	TCS upgrade fail after windows update on TCS 7.1 due to Sql server 2012
CSCuz37727	TCS repair not working after windows update on TCS 7.1
CSCuz20689	TCS 7 installer does not recognize .NET 4.5 or higher
CSCvb48623	Evaluation of TCS for Openssl September 2016
CSCvb45978	TCS Recordings fail to download from Local Server

Guidelines and Prerequisites

Before you begin, observe these guidelines and prerequisites:

- You must have an administrator privileges to perform a software installation.
- You should download Release 7.2 software from Cisco.com before you begin the installation procedure.
- Release 7.2 software cannot be installed on first- or second-generation Content Server hardware, if you attempt to run the 7.2 installer, it will fail.
- Release 7.2 software can be installed on **Third-generation** Content Server hardware as VM.
- You can use the Content Server serial number to identify the server hardware version. In the web UI go to **Management > Diagnostics > Server overview**. You can also check the serial number label on the top right front of the Content Server. These are the device serial number formats:
 - Fourth-generation serial number: **49A4xxxx**
 - Third-generation serial number: **49A3xxxx**
 - Second-generation serial number: **49A2xxxx**
 - First-generation serial number: **49A0xxxx**

Troubleshooting and Technical Support

Cisco recommends to register your product at <http://www.cisco.com/cisco/support/notifications.html> in order to receive notifications about the latest software and security updates. New feature and maintenance releases are published regularly, and we recommend that your Content Server software is always up to date.

Using the server logs to help solve a problem

You can use the server logs to produce debugging information to assist customer support in solving issues. From the **Management** tab, go to **Diagnostics > Server logs** to access the Content Server logs.

Getting more help

If you experience any problems when configuring or using the Content Server, consult the online help for an explanation of how individual features and settings work. Also, see the [Cisco TelePresence Content Server Administration and User Guide](#) for this release on Cisco.com.

When contacting Cisco for support, make sure that you have this information:

- The serial number and product model number of the server
- The software build number, which can be found on the product user interface
- Your contact email address or telephone number
- A full description of the problem

Related Documentation

- Cisco TelePresence Content Server Documentation
http://www.cisco.com/en/US/products/ps11347/tsd_products_support_series_home.html
- Cisco UCS C220 Documentation
http://www.cisco.com/en/US/products/ps10493/tsd_products_support_series_home.html
- Cisco Capture Transform Share Documentation
http://www.cisco.com/en/US/products/ps12130/products_installation_and_configuration_guides_list.html

Information About Accessibility and Cisco Products

For information about the accessibility of this product, contact the Cisco accessibility team at accessibility@cisco.com.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>

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