



Release Notes for Cisco Unified Videoconferencing 3500 MCU Release 5.5

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These release notes describe the new features and caveats for all versions of Cisco Unified Videoconferencing 3515 MCU, Cisco Unified Videoconferencing 3545 MCU and Cisco Unified Videoconferencing 3545 EMP Release 5.5.0.0.54 and 5.5.3.

You can access the latest software upgrades and release notes for all versions of Cisco Unified Videoconferencing 3500 MCU on Cisco.com at the following URL:

<http://cisco.com/kobayashi/sw-center/sw-video.shtml>

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Introduction

The Cisco Unified Videoconferencing 3500 are high performance multipoint video conferencing and media processing systems that provide extensive audio and video processing capabilities and web-based conference monitoring and management.

**Note**

Web user interface Conference Control functions are not supported for SCCP conferences.

The Cisco Unified Videoconferencing 3500 Series products support a wide range of telephony protocols and media communication networks and are interoperable with other video conferencing network devices.

System Requirements

Cisco Unified Videoconferencing 3500 Release 5.5 only operates with the following products:

- Cisco Unified Videoconferencing 3515 MCU12
- Cisco Unified Videoconferencing 3515 MCU24
- Cisco Unified Videoconferencing 3545 MCU
- Cisco Unified Videoconferencing 3545 EMP

You cannot install version 5.5 on older IP/VC products, or on the Cisco IP/VC 3510, 3511 and 3540 Series products.

**Note**

You should use a Java-compliant browser. Using browsers other than the Microsoft Internet Explorer version 6 or 7 is strongly discouraged and is not supported.

Compatibility Matrix and Supported Upgrades

Upgrading from a previous build of MCU version 5.0 or 5.1 to MCU version 5.5.3

You cannot upgrade directly from MCU version 5.0 to version 5.5.3. Upgrade initially to version 5.1.1 and then to version 5.5.3.

Procedure

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- Step 1** Save the current MCU custom configuration.
- Click **Export** on the MCU web user interface toolbar to export the MCU configuration to a *.ini file.
- Step 2** Burn the MCU version 5.5.3 application with the MCU default configuration.
- Run the MCU v5.5.3 Upgrade Utility.
 - Provide the target IP address, user name and password.
 - Click **Customize**.
 - Ensure that MCU Factory Default Configuration option is not selected.

- Ensure that all other Customize options are selected, including the Default MCU Configuration option but only one of the additional fonts if desired.
- Click Upgrade to perform the upgrade procedure.
- Wait while the MCU performs the upgrade procedure and resets.



Note This may take a few minutes. Please wait until the procedure is fully completed and the Upgrade Utility reports that the upgrade has been performed successfully.

- Step 3** After reset, the latest version is installed on the MCU and the MCU configuration is set to the MCU Default Configuration.
- Step 4** (Optional) Restore a previously saved MCU custom configuration.
- Click **Import** on the toolbar of the MCU web user interface to import a previously saved MCU version 5.x configuration *.ini* file.

Upgrading from a previous build of EMP version 5.0 or 5.1 to EMP version 5.5.3

Procedure

- Step 1** Use the EMP Upgrade Utility to burn the version of the EMP software that operates with the version of the MCU.
- After burning, the Upgrade Utility will reset the platform.
- Step 2** After reset, the latest version is installed on the EMP.

Downgrading from MCU version 5.5.3

We do not recommend downgrading from version MCU 5.5.3. If you need to downgrade, contact the Cisco TAC.

Related Documentation

You can access the following related documentation at http://www.cisco.com/en/US/products/hw/video/ps1870/tsd_products_support_series_home.html:

- *Configuration Guide for Cisco Unified Videoconferencing 3515 MCU12 and MCU24 Release 5.5*
- *Installation and Upgrade Guide for Cisco Unified Videoconferencing 3515 MCU12 and MCU24 Release 5.5*
- *Configuration Guide for Cisco Unified Videoconferencing 3545 MCU Release 5.5*
- *Installation and Upgrade Guide for Cisco Unified Videoconferencing 3545 MCU Release 5.5*
- *User Guide for Cisco Unified Videoconferencing 3500 MCU Release 5.5*
- *Troubleshooting Guide for Cisco Unified Videoconferencing 3500 MCU Release 5.5*

New and Changed Information

Release 5.5.0.0.54

Cisco Unified Videoconferencing 3500 MCU Release 5.5.0.0.54 introduces the following features:

- High Definition Continuous Presence support.
- Double the port capacity for standard rate services on Cisco Unified Videoconferencing 3515 MCU12 and MCU24.
- HTTPS support in the web interface.
- MCU web interface supports Internet Explorer 7.

Release 5.5.3

Cisco Unified Videoconferencing 3500 MCU Release 5.5.3 introduces the following features:

- Enhanced Lecture Mode now operates with HD mixed switched conferences.
Select one of the participants to be the lecturer. All other participants are considered students. The lecturer receives switched input from the students, either as Voice Activated or Auto Switched video. Students see the lecturer continuously.
- The switching interval in Auto Switched Mode is now configurable. Contact Customer Support for details.
- The video call rate is now restored to a higher rate once net problems are overcome.
- The Active Speaker indication now switches after 1 second only.
- Improved unit and web user interface stability, especially on high loads.

For information about all available features and benefits, see the data sheet for Cisco Unified Videoconferencing 3500 MCU at http://www.cisco.com/en/US/products/hw/video/ps1870/products_data_sheets_list.html.

Limitations and Restrictions

- When you enable High Definition Continuous Presence (HDCP) on either the Cisco Unified Videoconferencing 3515 MCU24 or the Cisco Unified Videoconferencing 3545 MCU, each EMP registered to the MCU automatically reserves 8 ports for HDCP from its available total of 24 ports.
When HDCP is enabled, only 12 ports are left available for SCCP partitioning on the first EMP. When SCCP port "spanning" over all EMPs is required, select the SCCP "All" formatting option. This option disables all non-SCCP protocols including HDCP functionality.
- The number of prefixed services defined in the MCU should not exceed 30. Defining a higher number of MCU prefixed services may prevent you from properly saving the MCU configuration to file.
- Subconferencing is not supported for SCCP services.
- The 4CIF picture size is supported for H.263 only.

Caveats

- [Using Bug Toolkit, page 5](#)
- [Open Caveats, page 6](#)
- [Resolved Caveats, page 6](#)

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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|---------------|--|
| Step 1 | To access the Bug Toolkit, go to http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs . |
| 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 . |
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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 1](#) describe possible unexpected behavior in the latest Cisco Unified Videoconferencing 3500 MCU releases. 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 1 *Open Caveats*

Identifier	Severity	Component	Headline
CSCsj53608	3	mcu	Services page max parties calculations incorrect
CSCsq67634	3	mcu	Password expiration does not affect admin user
CSCee35080	4	mcu	Restore Factory Default CLI Command Does Not Work

Resolved Caveats

The following sections list 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 5).

Release 5.5.0.0.54

[Table 2](#) lists the caveats that were resolved in Release 5.5.0.0.54.

Table 2 *Resolved in Release 5.5.0.0.54*

Identifier	Severity	Component	Headline
CSCsk00951	3	mcu	Can't disconnect SCCP conference participants via Conference Control
CSCsm15365	3	mcu	TSBU First Party Self-See

Release 5.5.3

[Table 3](#) lists the caveats that were resolved in Release 5.5.3.

Table 3 *Resolved in Release 5.5.3*

Identifier	Severity	Component	Headline
CSCsl85554	2	mcu	NMAP -sV hangs 3545 MCU IP interface.
CSCsm11528	2	mcu	NMAP port scanning issue.
CSCsm15360	2	mcu	TSBU corrupted video stream issue.
CSCsj36036	3	mcu	Video admin ignores SCCP Enabled checkbox.
CSCsk18467	3	mcu	MCU SCCP video CFB capacity is not static.

Table 3 Resolved in Release 5.5.3

Identifier	Severity	Component	Headline
CSCsm15376	3	mcu	The video call rate is now restored to a higher rate once net problems are overcome.(net or network)
CSCsm15380	3	mcu	Active speaker indicator.

Troubleshooting

See the *Troubleshooting Guide for Cisco Unified Videoconferencing 3500 MCU Release 5.5* at: http://www.cisco.com/en/US/products/hw/video/ps1870/prod_troubleshooting_guides_list.html

Documentation Updates

In the “Enabling and Disabling High Definition Continuous Presence” section of the *Configuration Guide for the Cisco Unified Videoconferencing 3545 MCU Release 5.5* (http://www.cisco.com/en/US/docs/video/cuvc/5_5/mcu/3545/configuration/guide/basic_v5_5.html#wp1054554), this information was omitted:



Note

High Definition Continuous Presence is disabled by default. After enabling it, you must change service prefix 81 to 720p resolution. Enabling HDCP alone results in the service limiting the resolution to 4CIF.

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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