



Cisco Meeting Server web app

Important Information

Version 3.5

April 20, 2022

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Revision history

Listed below are the recent changes done to the document:

Table 1:Summary of changes

Date of revision	Change
April 20, 2022	First release of 3.5
14 March, 2022	Maintenance Release 3.3.2
28 Feb, 2022	Maintenance release 3.4.1
16 Dec, 2021	Added Open Issue CSCvz76478
15 Dec, 2021	First release of 3.4
22 Dec, 2021	Maintenance release 3.3.1
24 Aug, 2021	First release of 3.3

1 Introduction

Cisco Meeting Server web app (web app) is a browser-based client for Cisco Meeting Server that lets users join meetings (audio and video) and share what is on their screen.

Cisco Meeting App for WebRTC is removed in Cisco Meeting Server version 3.0 and later. You need to use Cisco Meeting Server web app instead of Cisco Meeting App for WebRTC. For more information, refer to Release Notes for Cisco Meeting Server.

Note: Cisco Meeting App for desktop, iOS and WebRTC are no longer supported in Cisco Meeting Server since version 3.0.

This document describe the new features, changes, resolved issues, and open issues in this release of the Cisco Meeting Server web app. For more information about Cisco Meeting Server, refer to [Cisco Meeting Server Release Notes](#).

1.1 Important note for Expressway users

Cisco Meeting Server web app version 3.0 and later is supported with Expressway version X12.6. Previous versions of Expressway are not supported.

Note: Refer to the Cisco Meeting Server Release Notes for more information about call capacities.

2 What's new in Cisco Meeting Server web app

This version of web app offers the following features:

- [Sharing content audio](#)
- [Sharing files in a meeting](#)
- [Accessibility improvements](#)
- [Blur your background](#)



2.1 Sharing content audio

In a web app meeting when a presenter shares a video, other participants in the meeting could only view the video but could not hear the audio. From version 3.5, web app participant can share both audio and video when they share the screen in the meeting.

The participants can share content audio only on the latest Chromium-based browsers like Chrome, Edge, and Yandex.

On a Windows system, while sharing the entire screen you can select **Share System audio** to share the content audio along with the video. While sharing only the browser tab, you can select **Share tab audio** to share the content audio of the browser tab. This option is selected by default. Uncheck the option if you do not want to share the browser tab audio.

On a Macintosh system, the participants can only share the browser tab. While sharing the browser tab, select the **Share tab audio** to share the content audio of the browser tab. The participants cannot share the content audio when they are sharing the entire screen. System audio share is blocked by the Operating System.

When the participant shares the screen,  icon is shown on presentation preview and  icon is displayed besides the presenter's name on participants list.


Note: If the audio output of the system is muted, the participants in the meeting will not be able to hear the audio of the shared content.

The audio of the presentation can be muted when a participant in the meeting mutes the presenter's microphone. The table lists the scenarios with their audio and video behavior during a screen share.

Presenter	Other participants in the meeting	Can participants hear?	
		Presenter's mic	Audio of the shared content
Unmuted	Joined with audio and video	Yes	Yes
Locally muted / No microphone	Joined with audio and video	No	Yes
Muted by other participant in the meeting	Joined with audio and video	No	No
Joined with presentation only	Joined with audio and video	No	Yes
Joined with presentation only and muted by other participant in the meeting	Joined with audio and video	No	No


When a web app participant remotely mutes the presenter, both presenter's mic and presentation audio are muted. If participant unmutes the presenter, only presentation audio is unmuted. Presenter must unmute manually to share their microphone's audio.

2.2 Sharing files in a meeting (Beta support)

From version 3.5, web app allows the participants with appropriate permissions to share files in a meeting. If file sharing is allowed for the meeting, a signed-in web app user can download the files. Only a signed-in user with appropriate permissions can share files in a meeting. A new file sharing icon  is added as an in-meeting menu option, which enables the participants to share files.

Note:

- The file sharing icon is not visible if the Meeting Server administrator has disabled the feature for the meeting.
- File share feature is not supported for web app participants joining as guest or participants joining through SIP endpoints, Lync, or Skype.

When a file is shared, participants can download the shared file using download icon  beside the shared file in **File Sharing** pane. The shared file is available for download only during the meeting. Participants joining after a meeting has started can only view or download the files that are shared after they joined the meeting.

Note: Cisco does not guarantee that a beta feature will become a fully supported feature in the future. Beta features are subject to change based on feedback, and functionality may change or be removed in the future.

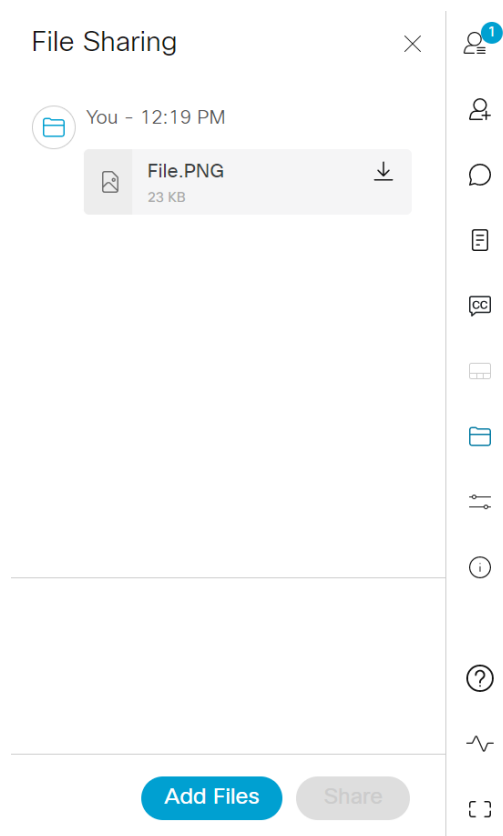
File sharing supports a maximum of 5 files at a time, with a size limit of 10MB per share. If the participant tries to upload more than 5 files at a time or if the file size exceeds 10MB per share, the file share fails and web app displays an error message.

Participants can share all types of files except for the following file extensions:


.exe, .bat, .bin, .com, .cmd, .inf, .ipa, .osx, .pif, .run, .wsh, .pkg, .dmg, .apk, .sh, .html, .asp, .js, .vbs, .wsf, .php, .sct

Web app prompts with an error message if the participant tries to upload an unsupported file type.

Note: Once a file is shared, it cannot be deleted by the participants in the meeting. The system will auto-delete the files 12 hours after upload.



Participant who is sharing the files can perform the following actions in the **File Sharing** pane:

- **Add Files** - Browse and add files from your local drive to share in the meeting.
- **Share** - Share the added files to other web app participants in the meeting.
- **Delete**  - Delete the added file(s) before sharing the file.

The file share might fail if the certificates used by the MeetingApps are not validated or if the MeetingApps is not reachable. In such scenarios, web app shows an error message "MeetingApps Error. Click on the below link to verify connectivity and try to share/download the file(s) again". The link in the error message allows the web app user to validate the MeetingApps certificates.

Note: The certificates need to be validated only when the participant uses File Share feature for the first time on a browser.

If the MeetingApps is not reachable, contact the Meeting Server administrator.


If the `fileReceiveAllowed` API is set to `true` in Meeting Server, all the signed-in web app participants in the meeting can download the shared files. Refer *CMS 3.5 Release Notes* for more information.

2.3 Accessibility improvements

In version 3.5, web app supports the following accessibility improvements:

- All the options on the web app home page are now accessible through keyboard.
- User can now use up or down keys in the keyboard to navigate through the options available on the Join Meeting page
- The following elements in the web app have meaningful descriptions to help participants who use screen reader:
 - Web app UI options such as Menu button, Cancel button on the create space window, help buttons on the Spaces page.
 - In-meeting options such as turn on/off video, mute/unmute, pin/unpin buttons, copy link in Meeting information.
 - All notification messages appearing on the screen.

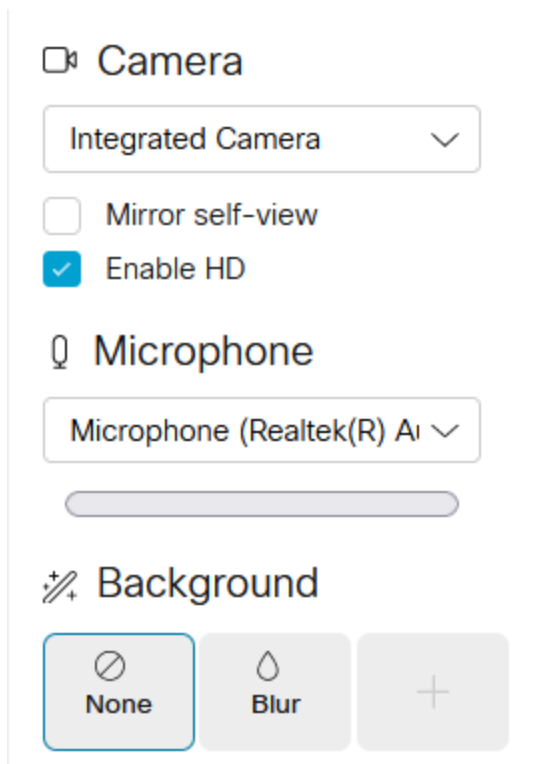
2.4 Blur your background (Beta support)

Web app allows the participants to blur their background in a meeting. Blurring the background makes the surroundings appear out of focus hence hiding the details behind the participant and emphasizing the participant. Participants can blur their background only after they have joined the meeting and not on the preview page. A new option Blur  is included in the in meeting camera settings.






Background Blur is supported only on Mac and Windows with Google Chrome and Mozilla Firefox browsers. This feature is not supported on other browsers and Android or iOS devices.

Note:

- Cisco does not guarantee that a beta feature will become a fully supported feature in the future. Beta features are subject to change based on feedback, and functionality may change or be removed in the future.
- Background blur feature was introduced in 3.4, there are no changes in functionality since last release.



On the self-view:

- To blur your background in a meeting, click  then click **Blur** .
- To preview your video before applying the blur background, disable the video then apply **Blur** . The preview is displayed on the self-view and your video with blur background is visible to other participants only when you turn on your video.
- To remove the blur background, click  > **None** .

Note:

- It is recommended to disable HD when background blur is enabled. There might be audio and video sync issues if HD is enabled with background blur.
- Background Blur works best with systems having Graphics Processing Unit (GPU).

- The following minimum system configuration is required to use the Background blur feature:
 - For Windows systems: Memory - 16 GB and CPU - 1.60 GHz
 - For Mac systems: Memory - 16 GB and CPU - 2.30 GHz
-

3 Using the web app

Web app allows you to join meetings with audio and video in a space. You can also share a screen or presentation in your meeting.

You can add or remove members to a space. You can also invite people both inside and outside of your organization to meetings.

Note: A space is a persistent virtual meeting room that a group of users can use at any time for a meeting. For more details refer to the Online Help or User Guide for web app.

You can use the web app on desktop, mobile or tablet from any of the supported browsers . See [list of browsers](#) for details.

Refer to the online help or User Guide for Cisco Meeting Serverweb app for detailed instructions on how to use the web app.

You can choose from the following options based on what you want to do:

- Sign in to the web app - You can sign in to web app, join meetings, view a list of all spaces you are a member of and view joining methods and copy the invitation details to invite someone to your meeting. You can create a space using pre-configured templates, edit or delete a space if you have appropriate permissions.
- Join a meeting - Use this option if you have been invited to a meeting. The invitation should include some details such as a meeting ID, passcode (optional), or a video address (URI).
- Schedule a meeting - To schedule a meeting, click Schedule meeting on the home page. Type a name and the select the space you want to use for the meeting. The meeting can be scheduled for one instance or to recur daily, weekly or monthly. You can add all the members of the selected space or add selected participants and configure their roles for the meeting.

4 Browser versions tested

Table 1 lists the browsers tested for web app at the time of release of a specific version of web app.

We always recommend using the latest version of browsers.

Note: Please note certain browsers such as Google Chrome and Mozilla Firefox automatically update to the latest version. The following table shows the version of browsers tested at the time of the official release of a version of Cisco Meeting Server. This means we have not tested this particular release with previous versions of those browsers.

We endeavor to test the latest maintenance release of each major release of Cisco Meeting Server against the latest public versions of all the browsers to keep them compatible and if we detect any issues we will endeavor to fix them as soon as possible.

Table 2: Cisco Meeting Server web app tested on browsers and versions

Browsers	Versions
Google Chrome (Windows, macOS and Android)	100.0.4896.88
Mozilla Firefox (Windows)	99.0.1
Chromium-based Microsoft Edge (Windows)	101.0.1210.14
Apple Safari for macOS	15.4
Apple Safari for iOS	15.4
Yandex (Windows)	22.3.2.628

Note: Web app is not supported on the legacy Microsoft Edge.

Note: Web app is not supported on virtual machines (VMs) running these supported browsers.

Important note for users using iOS 13 or later and macOS 10.15 or later

In order for users to be able to use web app on Safari on iOS 13 or later and macOS 10.15 or later, webbridge3 needs to be properly configured to comply with requirements stated here : <https://support.apple.com/en-us/HT210176>.

Users will not be able to open the app on Safari if these requirements are not met.

Important note about screen sharing on Chrome on macOS 10.15 or later

From macOS version 10.15 (Catalina) or later, to share the screen or application from the app running on Chrome, users need to enable permissions. Follow these steps:

1. From the Apple menu, open **System Preferences**.
2. Click on **Security & Privacy**.
3. Click on the **Privacy** tab at the top.
4. In the column on the left hand side, scroll down and click on **Screen Recording**.
5. Make sure Chrome is selected. Restart Chrome.

Important note about accessibility settings in Safari browsers

By default, Safari browsers do not allow navigation of UI elements via the 'Tab' key but via Option + Tab instead. This can be configured in Safari's Preferences as follows:

From your Safari browser menu, go to **Safari > Preferences > Advanced > Accessibility > Press Tab to highlight each item on a web page** to change your preference.

5 Bug search tool

You can now use the Cisco Bug Search Tool to find information on open and resolved issues for the Cisco Meeting Server, including descriptions of the problems and available workarounds. The identifiers listed in these release notes will take you directly to a description of each issue.

1. Using a web browser, go to the [Bug Search Tool](#).
2. Sign in with a cisco.com registered username and password.

To look for information about a specific problem mentioned in this document:

1. Enter the bug identifier in the **Search** field and click **Search**.

5.1 Resolved issues

Listed below are issues resolved in web app.

5.1.1 Issues resolved in 3.5

The table below lists issues seen in previous versions that are fixed in 3.5

Table 3: Resolved issues in 3.5

Cisco Identifier	Summary
CSCvz09305	When a participant joins a web app call for the first time in a browser, the participant is not able to disable the video. Participant must disconnect from the meeting and join again with their video disabled.
CSCvy72577	While adding participants to a Space by searching the participant's name, if there is a space in between the name, the search fails, and the participant cannot be added.
CSCvz76478	When the participants use Safari 15.0 (iOS 15) to join a web app meeting, they are unable hear audio and view video in the meeting. Note: A fix has been introduced in version 3.4 to resolve this issue in iOS 15.0 and iOS 15.2. The issue still persists in iOS 15.1.
CSCvz93413	When the participant is editing the notes and another participant publishes a note, the Go to draft option appears along with Load new and Keep mine options.
CSCvx88487	The tool tips text for zoom icons "+" and "-" are interchanged. However, they function as expected with the "+" icon zooming in and the "-" icon zooming out.

5.2 Open issues

The following table lists all the known issues in this release of the web app:

Table 4:List of open issues

Cisco Identifier	Summary
CSCwb61788	When scheduling a meeting with a conflicting time, user is unable to schedule the meeting even after changing the date and time.
CSCwa17363	In web app, the participants who are moved to lobby from Meeting Management can see still the list of participants in the meeting even if they are waiting in the lobby.
CSCvz01888	If the role of a member was changed in the space before the meeting, a role change notification appears when the member joins the meeting.
CSCvu98805	<p>Whilst in a meeting from web app on Firefox browser, if you open the presentation received in a second window, occasionally the content becomes non-responsive if the presenter stops and restarts the sharing or if another participant in the meeting starts sharing content at the same time. This is an issue with Firefox browser, for details see https://bugzilla.mozilla.org/show_bug.cgi?id=1652042.</p> <p>Work around: Maximize the second window or alternatively, close the presentation window and reopen it.</p>
CSCvt71069	If the video layout 'speaker large' is selected, window does not re size correctly.

6 Product documentation

The end-user guides such as User Guide, and visual 'How to' guides for web app are available in the following location:

<https://www.cisco.com/c/en/us/support/conferencing/cisco-meeting-app/products-user-guide-list.html>

Appendix A: Apps feature comparison

Feature comparison between Cisco Meeting Server web app and Cisco Meeting App for WebRTC.

Table 5: Feature comparison between Cisco Meeting Server web app and Cisco Meeting App for WebRTC

Feature	Web app 3.5	Web app 3.4	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0
General						
Cisco Meeting Server version	3.5	3.4	3.3	3.2	3.1	3.0
Managing access for members	Yes	Yes	Yes	Yes	No	No
Receive call	No	No	No	No	No	No
User-level permissions (e.g. can create space)	Yes	Yes	Yes	Yes	Yes	Yes
Support for localization	Yes	Yes	Yes	Yes	Yes	No
Branding	Yes	Yes	Yes	Yes	Yes	Yes
Online help	Yes	Yes	Yes	Yes	Yes	Yes
Encryption	Yes	Yes	Yes	Yes	Yes	Yes
Single sign on	Yes	Yes	Yes	Yes	Yes	No
Join using video address (URI)	Yes	Yes	Yes	Yes	Yes	Yes
Schedule a meeting						
View list of scheduled meeting	Yes	Yes	Yes	No	No	No
Schedule a meeting	Yes	Yes	Yes	No	No	No
Modify a scheduled meeting	Yes	Yes	Yes	No	No	No
Delete a scheduled meeting	Yes	Yes	Yes	No	No	No
Space Management						
Space member roles	Yes	Yes	Yes	Yes	No	No

Feature	Web app 3.5	Web app 3.4	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0
Search for spaces	No	No	No	No	No	No
Create / edit space	Yes	Yes	Yes	Yes	Yes	Yes
Activate newly provisioned spaces	Yes	Yes	Yes	Yes	Yes	No
Add / edit / delete space members	Yes	Yes	Yes	Yes	Yes	Yes
Directory look up for Add Members feature	Yes	Yes	Yes	Yes	Yes	Yes
View information for space	Yes	Yes	Yes	Yes	Yes	Yes
Send invitation	Yes	Yes	Yes	Yes	Yes	Yes
Audio and video						
Audio	OPUS	OPUS	OPUS	OPUS	OPUS	OPUS
Video	H.264, VP8	H.264, VP8	H.264, VP8	H.264, VP8	H.264, VP8	H.264, VP8
Mic/camera configuration controls	Yes	Yes	Yes	Yes	Yes	Yes
Blur your background (Beta support)	Yes	Yes	No	No	No	No
Far end camera control	Yes	Yes	No	No	No	No
Screen share						
Content magnification	Yes	Yes	Yes	Yes	No	No
Reset content zoom	Yes	Yes	Yes	No	No	No
View screen share	Yes	Yes	Yes	Yes	Yes	Yes
Desktop sharing	Yes	Yes	Yes	Yes	Yes	Yes
Application sharing	Yes	Yes	Yes	Yes	Yes	Yes
View screen share in a new window	Yes	Yes	Yes	Yes	Yes	Yes
Re-size the video pane	Yes	Yes	Yes	No	No	No

Feature	Web app 3.5	Web app 3.4	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0
Share content audio	Yes	No	No	No	No	No
Chat						
Chat	Yes, in call only	Yes, in call only	Yes, in call only	Yes, in call only	No	No
In-call						
On-screen messages	Yes	Yes	Yes	Yes	No	No
DTMF	No	No	No	No	No	No
Full-screen view	Yes	Yes	Yes	Yes	Yes	Yes
Layout control	Yes	Yes	Yes	Yes	Yes	Yes
Name labels	Yes	Yes	Yes	Yes	Yes	Yes
Recording	Yes	Yes	Yes	Yes	Yes	Yes
Streaming	Yes	Yes	Yes	Yes	Yes	Yes
Active speaker label (Beta support)	Yes	Yes	Yes	No	No	No
Self-view	Yes	Yes	Yes	Yes	Yes	Yes
Pin self-view	Yes	Yes	Yes	Yes	Yes	Yes
Mirror self-view	Yes	Yes	Yes	Yes	Yes	Yes
Move self-view	Yes	Yes	Yes	Yes	Yes	Yes
HD/SD selection	Yes	Yes	Yes	Yes	Yes	Yes
Pin presentation pre-view	Yes	Yes	Yes	Yes	Yes	Yes
Move presentation preview	Yes	Yes	Yes	Yes	Yes	Yes
Meeting notes	Yes	Yes	No	No	No	No
Closed captioning	Yes	Yes	No	No	No	No
Share files	Yes	No	No	No	No	No
Participants						
Move participant	Yes	Yes	Yes	Yes	No	No
Add participant	Yes (SIP only)	Yes (SIP only)	Yes (SIP only)	Yes (SIP only)	Yes (SIP only)	Yes (SIP only)

Feature	Web app 3.5	Web app 3.4	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0
Remove participants	Yes	Yes	Yes	Yes	Yes	Yes
Admit participants to a locked meeting	Yes	Yes	Yes	Yes	Yes	No
Change a participant's role	Yes	Yes	Yes	No	No	No
Make participant important	Yes	Yes	Yes	Yes	Yes	Yes
Mute/Unmute other participants' audio and video individually	Yes	Yes	Yes	Yes	Yes	Yes
Mute/Unmute all participants' audio and video	Yes	Yes	Yes	Yes	Yes	Yes
Send diagnostics during a meeting	Yes	Yes	Yes	Yes	Yes	Yes
Point to point calling	No	No	No	No	No	No
Send invite	Yes	Yes	Yes	Yes	Yes	No
View call info	Yes	Yes	Yes	Yes	Yes	No
Mic / Camera controls during call	Yes	Yes	Yes	Yes	Yes	Yes
Raise hand	Yes	Yes	Yes	No	No	No
Move call						
Move call to this device	No	No	No	No	No	No
Use this device for screen share and call management only (while another device is used for audio and video)	Yes	Yes	Yes	Yes	Yes	Yes
Use video system for a meeting						
Pairing with a video endpoint	No	No	No	No	No	No

Note: You cannot move a call to an external endpoint or move the audio to a regular phone during a call.

Accessibility Notice

Cisco is committed to designing and delivering accessible products and technologies.

The Voluntary Product Accessibility Template (VPAT) for Cisco Meeting Server web app is available here:

http://www.cisco.com/web/about/responsibility/accessibility/legal_regulatory/vpats.html#telepresence

You can find more information about accessibility here:

www.cisco.com/web/about/responsibility/accessibility/index.html

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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