



# Cisco Meeting Server web app

Important Information

Version 3.3.2

March 14, 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
14 March, 2022	Maintenance Release 3.3.2
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.

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

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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.

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



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## 2 What's new in Cisco Meeting Server web app

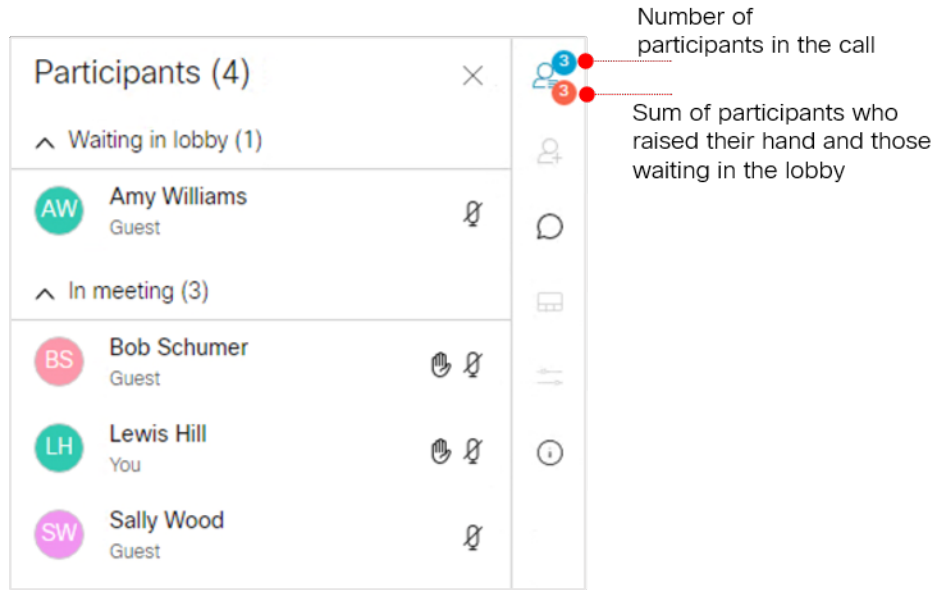
This version of web app offers the following features:

- Raise your hand
- Re-size the video pane
- Customizable hyperlinks on web app login page
- Change a participant's role during a meeting
- Align web app and SIP endpoint layouts
- Reset content zoom
- Active speaker label (Beta support)
- Schedule a meeting on web app (Beta support)

### 2.1 Raise your hand

From version 3.3, web app allows participants to raise their hand to indicate that they want to ask a question or make a comment without interrupting the meeting. This is enabled by a new raise hand icon  available with the meeting controls. Once a participant raises their hand, the hand icon appears besides their name in the Participants list and remains raised until they lower the hand by clicking the  again.

The list of the participants who raised hands are shown at the top of the Participants list in the order in which they raised their hands. The Participants badge now also displays the sum of participants who raised their hand and those waiting in the lobby.



Participants can raise their hands only if the `raiseHandEnabled` API is set to true in the Cisco Meeting Server.

## 2.2 Re-size the video pane

From version 3.3, in presentation and video mode a horizontal bar appears on the screen separating the presentation and video. When content is shared the participants can resize the content and video by dragging the horizontal bar. Dragging it up reduces the content and increases the size of the video. If required, you can use the zoom option on the presentation for better readability.

You can resize the video and the content only on desktop.

## 2.3 Customizable hyperlinks on web app login page

From version 3.3, web app introduces the capability to add hyperlinks on the sign in page. This feature is enabled with the use of two hyperlinks that are placed at the bottom right and left corners of the sign in page. Web app admin can provide any legal information that the users need to know before signing in. Clicking these links will take users to the related web page on a new tab in the browser.

This feature is optional. You can configure one or both the hyperlinks as required. If hyperlinks are not configured, they do not appear on the sign in page.

The character limit for both the links together is 70 characters for English and 50 characters for other languages. This character limit ensures that the other elements in the sign page remain aligned.

Adding customizable hyperlinks is done by adding new parameters to the **branding\_configuration.json** under the **text\_strings.json** file. If localization is required, web app admin should create **text\_strings\_xx\_XX.json** files for each language with these parameters. The following new parameters have been added:

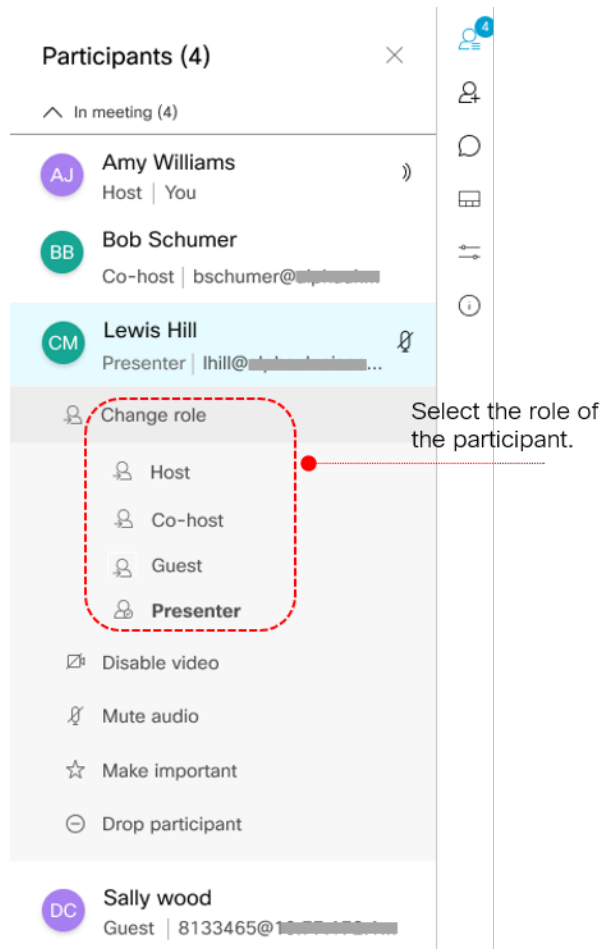
- brand\_legal\_left\_label: left side label name
- brand\_legal\_left\_link: left side label hyperlink
- brand\_legal\_right\_label: right label name
- brand\_legal\_right\_link: right side label hyperlink

For more information about how to customize the sign in page, see the chapter Cisco Meeting Server web app customization in the document Cisco Meeting Server Customization Guidelines.

## 2.4 Change a participant's role during a meeting

In version 3.3, web app allows you to change the role of a participant during a meeting. Web app users with adequate permissions can change the role of other web app and SIP endpoints participants during the call.

The role of the participants is displayed below their name in the participants list and the selected role name is highlighted in the **Change Role** drop down. To change the role of a participant during a meeting, click on the participant's name and select **Change role** then choose a role. When a participant's role is changed, the participant is notified with a pop up message.



- If a non member joins a meeting using the join link, the access method name of the join link is displayed as the role of the participant.
- For members the role assigned to them in the space is displayed as their role in the meeting.
- If meetings are provisioned by Meeting Management admin (using the procedure provided in the [Meeting Management User Guide for Administrators](#)) then all users or access methods will be assigned a named role. If the spaces were created using older methods then it is possible that the role will be shown as **Space default**.
- The role of the participant is displayed as **Space default** when the **In-call role** of a space member is configured as **Role 1** or **Space default**. **Role 1** is the virtual access method created when the URI and call ID are configured at the space level on the Meeting Server.
- If the callLegProfile is set for a space member and is different from all other access methods in the space, the role is shown as **Custom** in web app and the role of the participant cannot be changed in the meeting.

Refer to [Cisco Meeting Server 3.3 Release Notes](#) for more information.



## 2.5 Align web app and SIP endpoint layouts and pane placement

The web app supports adaptive layouts that change based on how many people are in the meeting and the size and aspect ratio of the web app window. For example, if it is displaying 4 participants it could display one row of four, two rows of two or one column of four depending on the size and aspect ratio of the window. For most meetings, this allows the end user to decide what they want to see and is the best end user experience. However, for scenarios where a more fixed experience is required, version 3.3 now allows administrators to force the web app to have the same fixed 16:9 aspect ratio layout as a SIP endpoint. For example, if you wanted to use pane placement and ensure that everyone saw a 3 x 3 equal layout showing the same participants, this can now be achieved with participants joining via web app. In previous versions, this was only supported for SIP endpoints.


The layouts can be affected either from the beginning of the meeting or can be updated during the course of the meeting using Meeting Server APIs or from Meeting Management. The web app and SIP endpoint users can change the layout based on the permissions assigned to them (using the `changeLayoutAllowed` API parameter). If the permissions are restricted, only two icons are available: Audio Only and the Meeting Server configured layout icon. All other layout icons are grayed out on the layout panel.

If a layout is configured in the Meeting Server, the configured layout is displayed when the web app users sign in to the meeting. The associated layout button is highlighted in the layout panel




. Each web app layout is mapped to associated layouts family supported by the Meeting Server. For information on layout mapping, see [Cisco Meeting Server 3.3 Release Notes](#).

Other than the existing layouts, Meeting Server admin can also use a customized layout for the

meeting and this is indicated by the new Custom layout icon  being highlighted in layout panel. Customizing a layout can include configuring the number and size of video panes and assigning fixed panes and importance to the participants. For more information on customizing the layout or assigning importance to the participants, see [Cisco Meeting Server Administrator's Quick Reference Guide for Screen Layouts, Pane Placement, and Customizable Layouts](#).

For any layout assigned by the Meeting Server (other than the **Custom** layout), if user switches to a different layout and then comes back to the assigned layout, the layout changes to web app's adaptive layout. For example, if `allEqualNinths` is assigned in Meeting Server, the web app initially displays All Equal with nine panes. If the user changes the layout to a different layout and then comes back to All Equal, the layout will not be a static `allEqualNinths`, but web app's own All Equal dynamic layout.

## 2.6 Reset content zoom

In version 3.3, a new reset zoom icon is added to restore the magnified content to its original view in one click. The reset zoom icon  is available during the content share along with the

zoom in and zoom out options.

If the user has partially or fully zoomed in, the reset zoom icon allows the user to view the entire content by zooming out completely. The icon is greyed, when the screen is zoomed out completely and is available if partially or fully zoomed in.

## 2.7 Active speaker label (Beta support)

In a web app meeting it is very difficult to identify the speaker if the participant is on audio-only mode. From version 3.3, active speaker label displays the name of the speaker. It is placed above the self-view pane and can be moved around the corners of the browser along with self-view. You can pin the active speaker label independently so you can choose to have it visible all the time or you can allow it to hide after inactivity.

When none of the participants are speaking the active speaker label is displayed as **Nobody**. If the participant themselves are speaking, the self-view of the active speaker label is **You**.



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**Note:** Cisco does not guarantee that a beta (or preview) 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.

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## 2.8 Schedule a meeting on web app (Beta support)

From version 3.3, web app introduces the ability to schedule meetings in an existing space, or create a space for the meeting. The meetings can be individual meetings with a single occurrence or can be recurring meetings. This is enabled by the **Schedule meeting** button on the home page or in one of the spaces.

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**Note:** To enable scheduling meeting on web app, you must deploy scheduler component on Meeting Server. Refer to [Cisco Meeting Server 3.3 Release Notes](#) for more information.

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**Note:** Cisco does not guarantee that a beta (or preview) 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.

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You can view a list of the meetings scheduled using web app on the home page and in your spaces. On home page, you can see your meetings (including the ones you are invited) and in the spaces, you can see all meetings scheduled in that space (including meetings scheduled by other members of the space). The list can be customized to view the meetings scheduled

for today or in the selected week. You can join these meetings using the associated **Join** button.

The screenshot shows the user interface for 'Sally Wood's Home'. At the top, there are two buttons: 'Join a meeting' (green) and 'Schedule meeting' (grey). Below these is a section titled 'My scheduled meetings' with a 'See more' link. The meetings are listed by date:

- Monday, Jun 21, 2021**
  - 10:00 AM - 11:00 AM: Annual General Meeting (Space: Annual General Meeting, Organized by: You) with a 'Join' button.
- Tuesday, Jun 22, 2021**
  - 10:00 AM - 10:30 AM: Weekly meeting (Space: Weekly team meeting, Organized by: You) with a 'Join' button.
- Wednesday, Jun 23, 2021**
  - 3:00 PM - 4:00 PM: UX testing and review (Space: UX testing and review, Organized by: You) with a 'Join' button.

Annotations on the right side of the screenshot include:
 

- 'Click to Schedule a meeting' pointing to the 'Schedule meeting' button.
- 'List of meetings you have scheduled, or you are invited to' pointing to the 'My scheduled meetings' section.

The following information is needed to schedule meetings:

- Space: You can select an existing space or create a new space for the meeting. When you create a space, you will choose a template which will define the user roles.
- Time and date: You can specify the time and date of the meeting, then schedule it for one instance or to recur daily, weekly, monthly or yearly.
- Add participants: You can add all the members of the selected space or add selected participants and configure their role for the meeting.

When a meeting is scheduled or canceled, or the list of participants is modified, corresponding meeting invitations or cancellations are sent to participants via email. If the list of participants is modified, email generation is as follows:

- an email invitation is sent to added participants
- a cancellation email is sent to removed participants
- no notification is sent to participants that were not added or removed

## 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.

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**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.

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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 2 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)	92.0
Mozilla Firefox (Windows)	90.0
Chromium-based Microsoft Edge (Windows)	92.0
Apple Safari for macOS	14.2
Apple Safari for iOS	iOS versions: 14.2
Yandex (Windows)	21.6.2.x

**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 Open issues

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

Table 3:List of open issues

Cisco Identifier	Summary
<a href="#">CSCvz01888</a>	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.
<a href="#">CSCvx88487</a>	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.
<a href="#">CSCvu98805</a>	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 <a href="https://bugzilla.mozilla.org/show_bug.cgi?id=1652042">https://bugzilla.mozilla.org/show_bug.cgi?id=1652042</a> .  Work around: Maximize the second window or alternatively, close the presentation window and reopen it.
<a href="#">CSCvt71069</a>	If the video layout 'speaker large' is selected, window does not re size correctly.

### 5.2 Known limitations

Table 4:List of known limitations

Cisco Identifier	Summary
<a href="#">CSCvz15644</a>	Deleting an occurrence of a meeting is not supported on web app.

## 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 3.3	Web app 3.2	Web app 3.1	Web app 3.0	Web app 2.9	WebRTC app (Meeting Server 2.9)
<b>General</b>						
Cisco Meeting Server version	3.3	3.2	3.1	3.0	2.9	2.9
Managing access for members	Yes	Yes	No	No	No	No
Receive call	No	No	No	No	No	Yes
User-level permissions (e.g. can create space)	Yes	Yes	Yes	Yes	Yes	Yes
Support for localization	Yes	Yes	Yes	No	No	Yes
Branding	Yes	Yes	Yes	Yes	No	Yes
Online help	Yes	Yes	Yes	Yes	No	Yes
Encryption	Yes	Yes	Yes	Yes	Yes	Yes
Single sign on	Yes	Yes	Yes	No	No	No
Join using video address (URI)	Yes	Yes	Yes	Yes	No	No
<b>Schedule a meeting</b>						
View list of scheduled meeting	Yes	No	No	No	No	No
Schedule a meeting	Yes	No	No	No	No	No
Modify a scheduled meeting	Yes	No	No	No	No	No
Delete a scheduled meeting	Yes	No	No	No	No	No
<b>Space Management</b>						

Feature	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0	Web app 2.9	WebRTC app (Meeting Server 2.9)
Space member roles	Yes	Yes	No	No	No	No
Search for spaces	No	No	No	No	No	Yes
Create / edit space	Yes	Yes	Yes	Yes	Yes	Yes
Activate newly provisioned spaces	Yes	Yes	Yes	No	No	No
Add / edit / delete space members	Yes	Yes	Yes	Yes	No	Yes
Directory look up for Add Members feature	Yes	Yes	Yes	Yes	No	Yes
View information for space	Yes	Yes	Yes	Yes	Yes	Yes
Send invitation	Yes	Yes	Yes	Yes	Yes	Yes
<b>Audio and video</b>						
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)	No	No	No	No	No	No
Far end camera control	No	No	No	No	No	No
<b>Screen share</b>						
Content magnification	Yes	Yes	No	No	No	No
Reset content zoom	Yes	No	No	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

Feature	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0	Web app 2.9	WebRTC app (Meeting Server 2.9)
View screen share in a new window	Yes	Yes	Yes	Yes	No	No
Re-size the video pane	Yes	No	No	No	No	No
<b>Chat</b>						
Chat	Yes, in call only	Yes, in call only	No	No	No	Yes, in and out of call
<b>In-call</b>						
On-screen messages	Yes	Yes	No	No	No	No
DTMF	No	No	No	No	No	Yes
Full-screen view	Yes	Yes	Yes	Yes	No	No
Layout control	Yes	Yes	Yes	Yes	Yes	Yes
Name labels	Yes	Yes	Yes	Yes	No	No
Recording	Yes	Yes	Yes	Yes	No	Yes
Streaming	Yes	Yes	Yes	Yes	No	Yes
Active speaker label (Beta support)	Yes	No	No	No	No	No
Self-view	Yes	Yes	Yes	Yes	Yes	Yes
Pin self-view	Yes	Yes	Yes	Yes	No	No
Mirror self-view	Yes	Yes	Yes	Yes	No	No
Move self-view	Yes	Yes	Yes	Yes	No	No
HD/SD selection	Yes	Yes	Yes	Yes	No	No
Pin presentation pre-view	Yes	Yes	Yes	Yes	No	No
Move presentation preview	Yes	Yes	Yes	Yes	No	No
Meeting notes	No	No	No	No	No	No
Closed captioning	No	No	No	No	No	No
<b>Participants</b>						
Move participant	Yes	Yes	No	No	No	No

Feature	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0	Web app 2.9	WebRTC app (Meeting Server 2.9)
Add participant	Yes (SIP only)	Yes (SIP only)	Yes (SIP only)	Yes (SIP only)	No	Yes
Remove participants	Yes	Yes	Yes	Yes	Yes	Yes
Admit participants to a locked meeting	Yes	Yes	Yes	No	No	No
Change a participant's role	Yes	No	No	No	No	No
Make participant important	Yes	Yes	Yes	Yes	No	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	No	Yes
Send diagnostics during a meeting	Yes	Yes	Yes	Yes	No	Yes
Point to point calling	No	No	No	No	No	Yes
Send invite	Yes	Yes	Yes	No	No	Yes
View call info	Yes	Yes	Yes	No	No	Yes
Mic / Camera controls during call	Yes	Yes	Yes	Yes	No	Yes
Raise hand	Yes	No	No	No	No	No
<b>Move call</b>						
Move call to this device	No	No	No	No	No	Yes
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
<b>Use video system for a meeting</b>						

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Feature	Web app 3.3	Web app 3.2	Web app 3.1	Web app 3.0	Web app 2.9	WebRTC app (Meeting Server 2.9)
Pairing with a video endpoint	No	No	No	No	No	Yes

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

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## 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](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](http://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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