

Cisco Collaboration Meeting Rooms Cloud



IT departments face increasing complexity as they try to manage ever-expanding, disparate video conferencing technologies and endpoints. And meeting participants struggle to join video conference meetings with mobile devices and desktop endpoints that are often not compatible.

Simplify your IT department's work and make it easy for participants to join meetings from any standards-based video endpoint with Cisco Collaboration Meeting Rooms (CMR) Cloud. This simple-to-use video conferencing service couples personal rooms with the cloud-based WebEx® Video Bridge into one always-available meeting experience. And you don't need to buy on-premises equipment.

In addition, CMR Cloud enhances the WebEx Personal Rooms to turn them into permanent, personalized video conferencing spaces. This combination makes it easy for your customers, partners, and other peers to join you in a meeting from any endpoint, at any time, without requiring cumbersome codes. Participants can join you in your personal room simply by visiting its URL on a desktop or mobile browser, or dialing its URI on a video endpoint for a truly open virtual office environment. You can even customize your personal room name for a better user experience.

Features and Benefits

From the proven leader in video and web conferencing, CMR Cloud is the only offering that provides simple, secure collaboration from the scalable Cisco WebEx Cloud with the largest number of concurrent participants in a single meeting. Other benefits follow:

- CMR Cloud enhances the WebEx Personal Rooms, turning them into permanent, personalized video conferencing spaces.
- Your customers, partners, and other peers can easily join you in a meeting from any video endpoint, at any time, without requiring cumbersome codes.

- Each participant, regardless of video endpoint, enjoys the same integrated video, audio, and content for one meeting experience.
- CMR Cloud enables you to quickly scale your video-conferencing reach and capacity from one to hundreds of participants.

It allows you to shift from a capital expenditures (CapEx) model to an operating expenses (OpEx) financial model while using existing network and device investments. And because it is a cloud service, it simplifies the complexity of managing disparate technologies. All this for a subscription fee.

New Features of Cisco CMR Cloud 3.0

Cisco CMR Cloud 3.0 brings exciting new capabilities that address the needs of end users and system administrators alike. Table 1 lists the new features with the release of WebEx Business Suite 30, and Table 2 lists its continuing features.

Table 1. New Features in Cisco CMR Cloud 3.0 Release with WebEx Business Suite 30

Feature	Description
Proximity join from WebEx mobile apps	<p>This beta release of the Proximity join feature greatly simplifies the experience and reduces the time it takes to join a meeting.</p> <p>Users who have the WebEx Meetings app and the Cisco Intelligent Proximity app on their iOS or Android devices can simply tap the Proximity button in their WebEx mobile app.</p> <p>This app will cross-launch the Cisco Intelligent Proximity app and instruct a compatible Cisco video endpoint to dial the video address of the CMR Cloud meeting.</p> <p>You can go from a meeting reminder to a lifelike video in-meeting experience in three taps.</p>
Video call-back	<p>This beta release of the video call-back feature simplifies the join experience for desktop users (for WebEx hybrid audio customers).</p> <p>With this release, you can simply click the “Call My Video System” button on the Meeting Center client to receive a video call on your designated Session Initiation Protocol (SIP) video address for a smoother meeting join experience.</p>
Numeric meeting password for video endpoints	<p>You can protect scheduled meetings from unauthorized video endpoint access by requiring users to enter a numeric password.</p> <p>This numeric password is automatically generated for each meeting and is randomized to help ensure meeting security.</p>
Lync interoperability public beta	<p>Users with Lync 2010, 2013, Online, and Skype for Business clients can now join CMR Cloud meetings with this beta feature availability (for both on-premises and cloud registered configurations).</p> <p>Lync users will enjoy the same two-way audio, video, and content-sharing capabilities of any other CMR Cloud meeting participant for a wider collaboration experience.</p>
Additional video layer between Scalable Video Coding (SVC) and Advanced Video Coding (AVC)-based video clients	<p>An additional video layer is now provided between SVC- and AVC-based clients. Examples of SVC clients include WebEx desktop clients on Microsoft Windows and Apple OS X operating systems, and WebEx mobile clients on iOS and Android platforms. Examples of AVC clients include standards-based SIP or H.323 video endpoints provided by Cisco, Polycom, and others.</p> <p>Depending on network conditions of all connected users, the meeting will support either 720p + 180p mode or 360p + 180p mode.</p> <p>With this new operating model, the likelihood of one client with bad network conditions degrading the overall video quality of a meeting will be greatly reduced.</p>
Integrated traversal sessions for CMR Cloud	<p>Cisco Expressway now recognizes calls destined for CMR Cloud meetings and automatically provides traversal capabilities without requiring the presence of traversal licenses.</p>
Turkish and Danish localization	<p>CMR Cloud audio and video prompts provided to video endpoint users are now localized to Turkish and Danish languages as an extension of the WebEx Business Suite 30 release.</p>

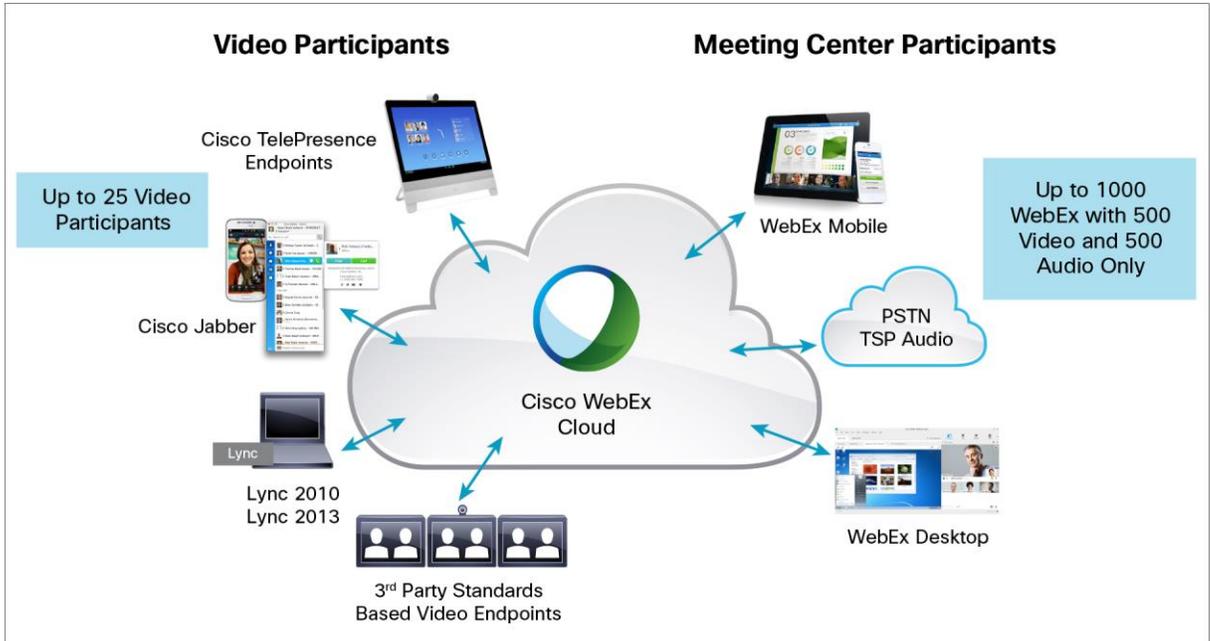
Continuing Features and Benefits of Cisco CMR Cloud

Table 2. Continuing Features and Benefits of Cisco CMR Cloud

Features	Description	Benefits
Users	<ul style="list-style-type: none"> Support for 1025 concurrent users in a single meeting: <ul style="list-style-type: none"> Up to 25 SIP or H.323 video conferencing screens or clients; for example, a three-codec video conferencing system equals three users Up to 500 additional WebEx video participants (depending on your organization's licensing model) Up to 500 additional WebEx audio-only users (depending on your organization's licensing model) Add-on service to Cisco WebEx Meeting Center subscription 	<ul style="list-style-type: none"> This support helps reduce costs and allows IT to focus on core business priorities. As a cloud-based service, CMR Cloud provides high scalability and availability so it is easy to roll out and expand as the organization grows.
SIP video	<ul style="list-style-type: none"> Video resolution: Main video up to 720p at 30 frames per second (fps) and content sharing up to 720p at 5 fps Video aspect ratios: 4:3 standard and 16:9 widescreen Single, dual, and multiscreen standards-based telepresence systems (multiscreen endpoints must use the Cisco Telepresence Interoperability Protocol [TIP]) Advanced Encryption Standard (AES) 128-bit encryption Signaling protocol support: SIP, SIP Transport Layer Security (TLS), Binary Floor Control Protocol (BFCP), and TIPv8 Media protocol support: Real-Time Transfer Protocol (RTP), Secure RTP (SRTP), and Real-Time Control Protocol (RTCP) Content share (dual video) protocol support: BFCP and TIP Video codec support: H.261, H.263, H.263+, H.263++, and H.264 AVC <p>In-Meeting Features:</p> <ul style="list-style-type: none"> SIP participants can mute and unmute themselves using dual-tone multifrequency (DTMF) controls. RFC 2833 RTP Payload Types signaling is required. SIP endpoints that do not support RFC 2833 can join the meeting only after the host has joined. 	<ul style="list-style-type: none"> Meet online just as if you were face-to-face. Use high-definition (HD) video to improve communications, relationships, and productivity by enabling people to meet face-to-face to share documents, presentations, and applications. Select full-screen mode to view the active speaker in the main video panel, with other participants' video displayed as thumbnails. For the most detailed video view, select the expanded full-screen option to view the active speaker in true HD display resolution. The video in the main panel automatically switches to display the person who is speaking, creating an intuitive meeting experience.
H.323 video	<ul style="list-style-type: none"> Video frame rate: Ability to share video up to 720p 30 fps and content up to 720p 5 fps Video aspect ratios: 4:3 standard and 16:9 widescreen Single-screen standards-based telepresence AES 128-bit encryption Signaling protocol support: H.323, H.323 with H.235, H.225.0, and H.245 Media protocol support: RTP, SRTP, and RTCP Content (dual video) share protocol support: H.239 Video codec support: H.261, H.263, H.263+, H.263++, and H.264 AVC Audio codec support: G.711, G.722, G.722.1, G.723.1, G.728, G.729, MPEG-4 AAC-LC, MPEG-4 AAC-LD, and Polycom Siren14/G.722.1 Annex C Annex-O dialing: Ability for standalone H.323 endpoints not registered to a gatekeeper to dial and join CMR Cloud meetings <p>In-Meeting Features:</p> <ul style="list-style-type: none"> H.323 participants can mute and unmute themselves using DTMF controls. One of the following two DTMF signaling methods is required: H.245 User Input Indicator or RFC 2833 RTP Payload Types. H.323 endpoints that do not support one of the previously mentioned DTMF signaling methods can join the meeting only after the host has joined. 	<ul style="list-style-type: none"> Take advantage of existing investment in older systems. Broaden reach of video conferencing inside of and across enterprises.

Features	Description	Benefits
Mobile	<ul style="list-style-type: none"> Host and join meetings using the iOS and Android mobile apps. 	<ul style="list-style-type: none"> Regardless of location, enjoy a rich meeting experience with audio, video, and content sharing.
Audio	<ul style="list-style-type: none"> Audio codec support on video devices: G.711, G.722, G.722.1, G.723.1, G.728, G.729, MPEG-4 AAC-LC, MPEG-4 AAC-LD, and Polycom Siren14/G.722.1 Annex C Audio codec support on desktop and mobile applications: Internet Low Bitrate Codec (iLBC), Opus, and G.722 Audio access into meetings using a phone, delivered through multiple offerings: <ul style="list-style-type: none"> WebEx integrated audio Telephone service provider (third-party) audio Cisco WebEx Cloud Connected Audio Flexible audio conferencing options on your computer or your smartphone: <ul style="list-style-type: none"> Call-in (dial into the meeting) Call-back (meeting calls you) Voice over IP (VoIP) (use your computer microphone and speakers or your smartphone data connection) 	<ul style="list-style-type: none"> Experience an interactive meeting with Cisco WebEx integrated audio, Cloud Connected Audio, or a third-party telephony service provider (TSP). Choose from various audio options that fit your business and technology needs. Wideband audio support using VoIP provides outstanding audio quality, even over low-bandwidth networks.
Content sharing	<ul style="list-style-type: none"> Share content at up to 720p at 5 fps with support for standard (4:3) and widescreen (16:9) aspect ratios. Automatic content handover is supported. BFCP is supported for SIP-based devices, BFCP or TIP for TIP-based devices, and H.239 for H.323-based devices 	<ul style="list-style-type: none"> Share content with remote attendees in real time. Collaborate efficiently without the need to hand over presenter role.
Security	<ul style="list-style-type: none"> AES 128-bit encryption PIN-protected access into personal rooms from video endpoints Meeting lock and unlock for added privacy Authenticated access into meetings on desktop and mobile apps SIP TLS and H.235 for signaling security SRTP for media security 	<ul style="list-style-type: none"> The Cisco WebEx Cloud is a global, enterprise-scale network designed specifically for highly secure delivery of on-demand applications. It offers a scalable architecture, consistent availability, and multilayer tenant security validated by rigorous independent audits, including SSAE-16 and ISO 27001.
In-meeting controls	<ul style="list-style-type: none"> See all meeting participants in a unified participant list. Mute and unmute the audio of participants. Drop a participant. Lock a meeting to prevent unintended participants from joining. Record sessions with video, audio, and content for future reference, training, or demonstrations. 	<ul style="list-style-type: none"> Collaborate more effectively with customers, partners, and employees. Maintain a productive meeting environment.
Languages	<ul style="list-style-type: none"> Languages supported include English, Brazilian Portuguese, Chinese (simplified and traditional), Dutch, European Spanish, French, German, Italian, Japanese, Korean, Russian, Spanish, and Swedish. 	<ul style="list-style-type: none"> Share information and ideas with teams anywhere, globally. All you need is Internet access. Save time and take full advantage of resources by bringing people together without the need for travel.

Figure 1. Accommodate a Multitude of Participants from a Multitude of Platforms



Platform Support, Compatibility, and Specifications

Consult the Hardware and System Software Specification for Cisco CMR Cloud (Bill of Materials [BOM]) for hardware and operating system requirements, for compatibility with other Cisco and third-party products, and for additional product specifications.

Licensing

Cisco Expressway firewall traversal sessions are included with CMR Cloud purchase to provide secure end-to-end network protection.

Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#). To download software, visit the [Cisco Software Center](#).

Cisco Services

Cisco Services adapt to market changes while increasing productivity, improving competitive advantage, and delivering a rich-media experience across any workspace. The combined strengths of Cisco and our partners provide a portfolio of services that can help you prepare your infrastructure for future changes aligning to long-term business goals.

Together we create innovative, network-centric architecture solutions resulting in a scalable and responsive foundation that can help you realize the full value of your IT and communication investment.

For more information about services, visit <http://www.cisco.com/go/uccservices>.

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Cisco partners have completed rigorous training and validation of their knowledge of the product and can offer customers some or all of the following capabilities:

- Planning
- Design
- Implementation
- Operation
- Optimization
- Product resale
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For More Information

Read more about the [Cisco Collaboration Meeting Rooms \(CMR\) Cloud](#), or contact your local Cisco account representative.



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