TOMORROW
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CISCO
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Everything You Wanted To Know About CMR

BRKUCC - 2677

Miro Polakovic – Senior Technical Marketing Engineer

#clmel

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Agenda

- Introduction to Collaboration Meeting Room
- CMR Hybrid
  - Scheduling
  - Architecture and New Features
- CMR Cloud
  - User Experience
  - Architecture and Supported Scenarios
  - Licensing Model
  - Microsoft Lync Interoperability
- Comparison and Co-existence

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Cisco Collaboration Strategy

Experience Centric

- Delightful experience
- Simplicity
- Common experience
- Mobile first - any device
- Hardware and software

Cloud Connected

- Cloud connectivity
- Hidden complexity
- Agility and flexibility
- Unifies workspaces: physical and virtual

Value Extended

- Customer journey
- Investment protection
- Evolution, not revolution
- Standards based, open and interoperable
- Cisco partner ecosystem

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The Challenge

Let's Meet

How many people in my meeting?

Where is everyone joining from?

What devices will be used?

How do I connect everyone together?

In one meeting?

Converge and Simplify…

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Collaboration Meeting Rooms Deployment Options

CMR Hybrid

TelePresence on Premises plus Cisco WebEx

CMR Cloud

Conferencing all in WebEx Cloud

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CMR Hybrid

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CMR Hybrid: WebEx and TelePresence Working Together

- Integrate Cisco On-Premises TelePresence and Cisco WebEx Cloud into one Enterprise solution;
- Expand your meetings to anyone - attend meetings using the most accessible collaboration technology (including mobile devices) – improve user experience and productivity – **easily enable B2B and B2C!**
- Simplified & integrated scheduling (e.g. WebEx Productivity Tools).

Full collaboration experience with 2-way audio/video/content sharing

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"Problems are solved faster so installers can complete more work. Our clients are happier. So they're more likely to buy from us again."

Massimiliano Tesser
CIO of CAME Group

CMR Hybrid Scheduling

Four option for scheduling a meeting

Synchronous

- Outlook with Exchange using **WebEx Productivity Tool** plug-in for Windows
- TMS Web **Smart Scheduler**
- WebEx **Scheduling Mailbox**; any mail client sending invite via Microsoft Exchange with TelePresence rooms and a Scheduling mailbox to mark the meeting as WebEx enabled
- **TMS Admin Booking Interface** available to any user with TMS account (mostly for help desk/concierge)

Asynchronous

With asynchronous scheduling, only the organiser receives email with details, they then have to copy/paste to send to other participants

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Scheduling and User Experience

WebEx Productivity Tool

- Add participants, rooms, subject and body in usual fashion;
- Select to add WebEx with advanced settings;
- The TelePresence Rooms finder makes adding rooms easy;
- Include dial-in ports for people to join from Jabber or personal endpoints.

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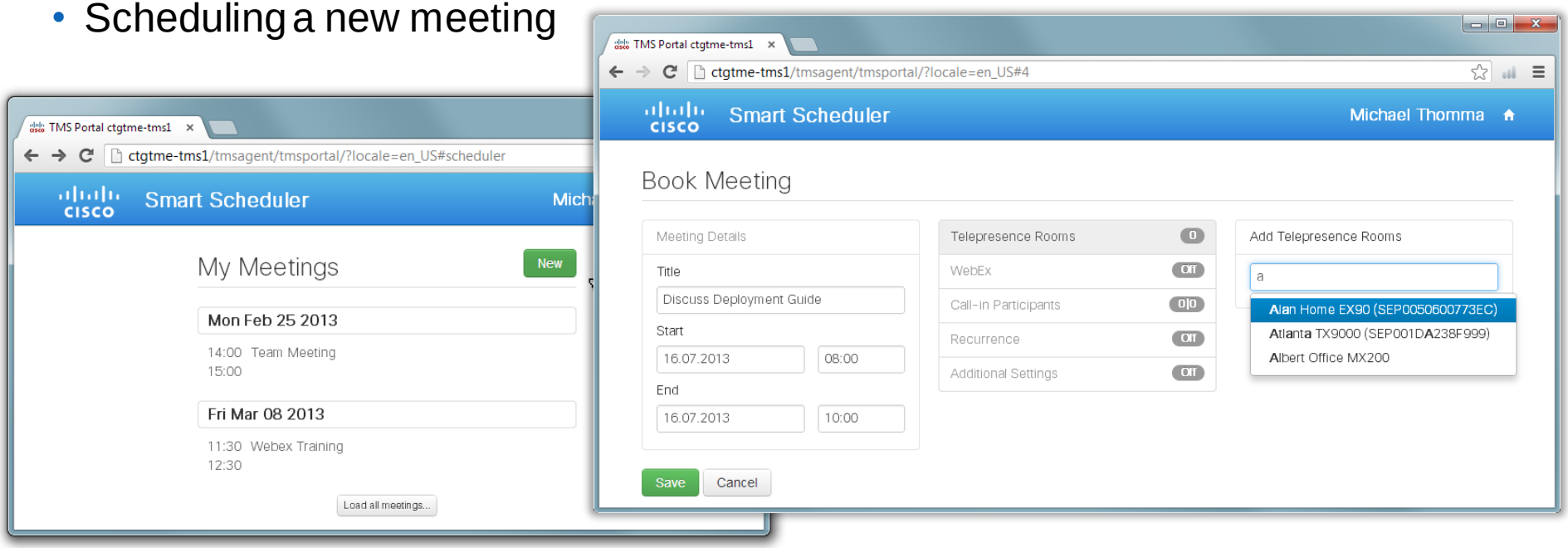
Scheduling and User Experience

TMS Smart Scheduler

- Scheduling a new meeting



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Lotus Notes Integration for Scheduling

Based on ESNA CloudLink – Cisco Recommended for Lotus Notes

Today	• Cisco TMS 14 and above integration with Notes 9.0+ • Scheduling of TMS resources (no WebEx scheduling)
What & When	CMR Hybrid to Notes integration to provide: • Unified scheduling of TMS and WebEx resources • Complete integration of WebEx resources **Currently planned for Q2CY2015**
How	On Cisco GPL: • Perpetual license needed for TMS integration per each 25 TMS endpoints (includes first year support and upgrade rights); • License for maintenance and upgrade right for years 2, 3, n.

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CMR Hybrid Scheduling

Scheduling CMR Hybrid is always personal, the user needs to own a host account on the WebEx site.

Two exceptions allow to schedule on behalf:

- Delegate (**manager/assistant model**)
  - The assistant needs to own a WebEx host account;
  - With given permission, the assistant can schedule, edit, cancel and start meeting;
  - Microsoft Outlook integration required (Productivity Tools);
  - How-To: enable delegate in the WebEx site and share the OL calendar with the delegate.
- Schedule on-behalf (**concierge model**)
  - The concierge agent doesn't require a WebEx host account.
  - Supported by the TMS Admin
  - How-To: in TMS Admin pick the WebEx host account you're scheduling on-behalf of.

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CMR Hybrid Audio Options

- **WebEx Hybrid Audio**

  WebEx provided audio bridges, small share of WebEx customers. Can be VoIP or PSTN Connection but a PSTN-capable plan (Hybrid) is required: WebEx VoIP-only is not supported.

- **Telephony Service Provider (TSP) Audio**

  Audio bridges provided by different SP's around the world including InterCall, Verizon, Arkadin, Telstra, etc. TSP is intelligent link between WebEx cloud and audio bridge providing advanced features. TSP Partners must be verified as CMR Hybrid compatible.

- **Cloud Connected Audio (CCA)**

  WebEx Audio provided via SIP trunk instead of traditional PSTN connection, for larger WebEx customers. (note: CMR Hybrid cascade link uses SIP with Video on Internet connection, not via CCA today).

Applies to both CMR Hybrid and Cloud

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CMR Hybrid – Architecture and New Features

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CMR Hybrid Architectural Models

Three models supported:

1. VCS-centric deployment model
2. Unified CM-centric deployment model
3. TP Conductor and TP Server on Virtual Machine and Multiparty Media 310/320

- Existing customers are not required to change to the new Unified CM-centric deployment model.
- New customers are highly encouraged to use the new Unified CM-centric deployment model.

BRKCOL-2676 – Migrating from VCS to CUCM

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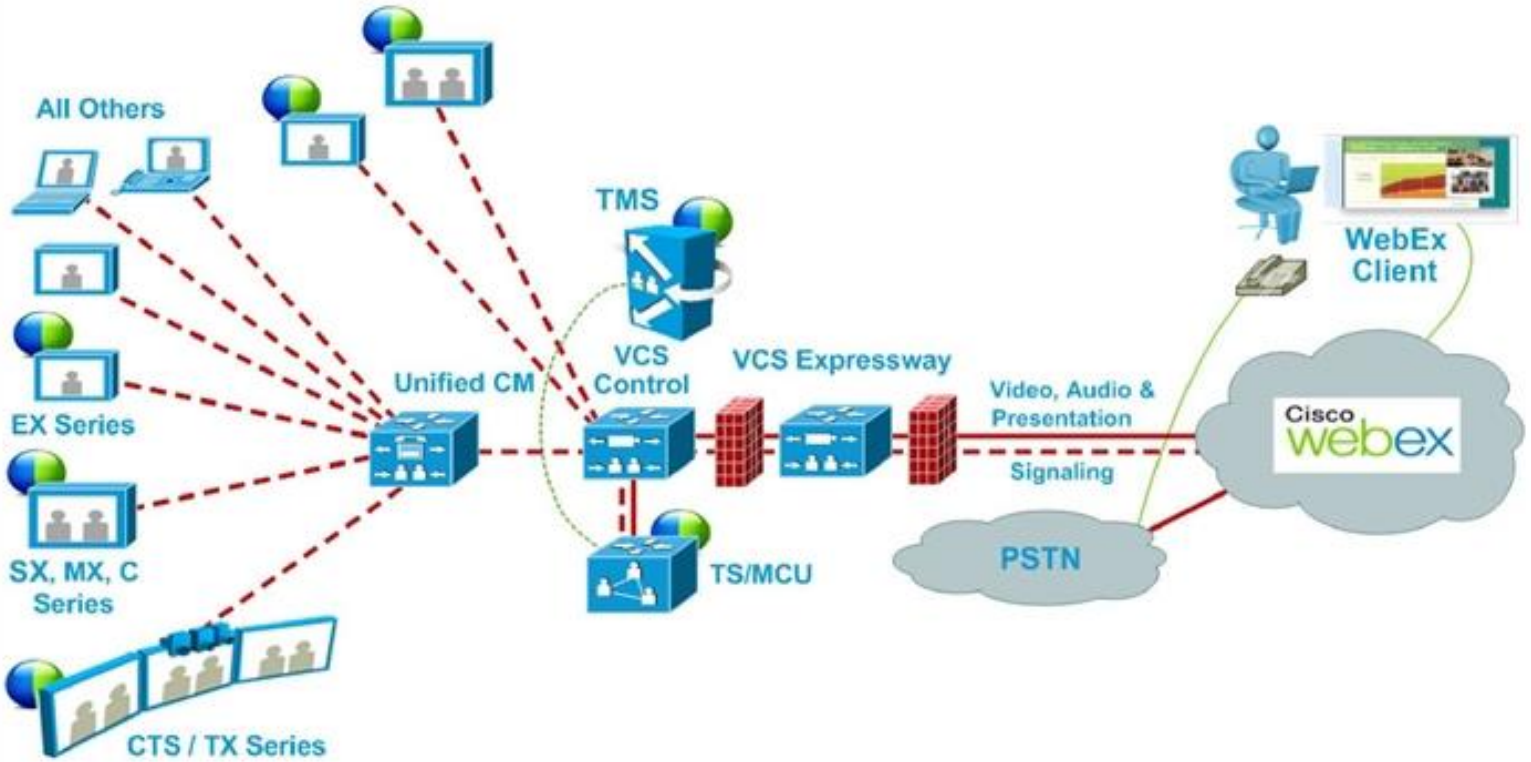
VCS-Centric Deployment Model



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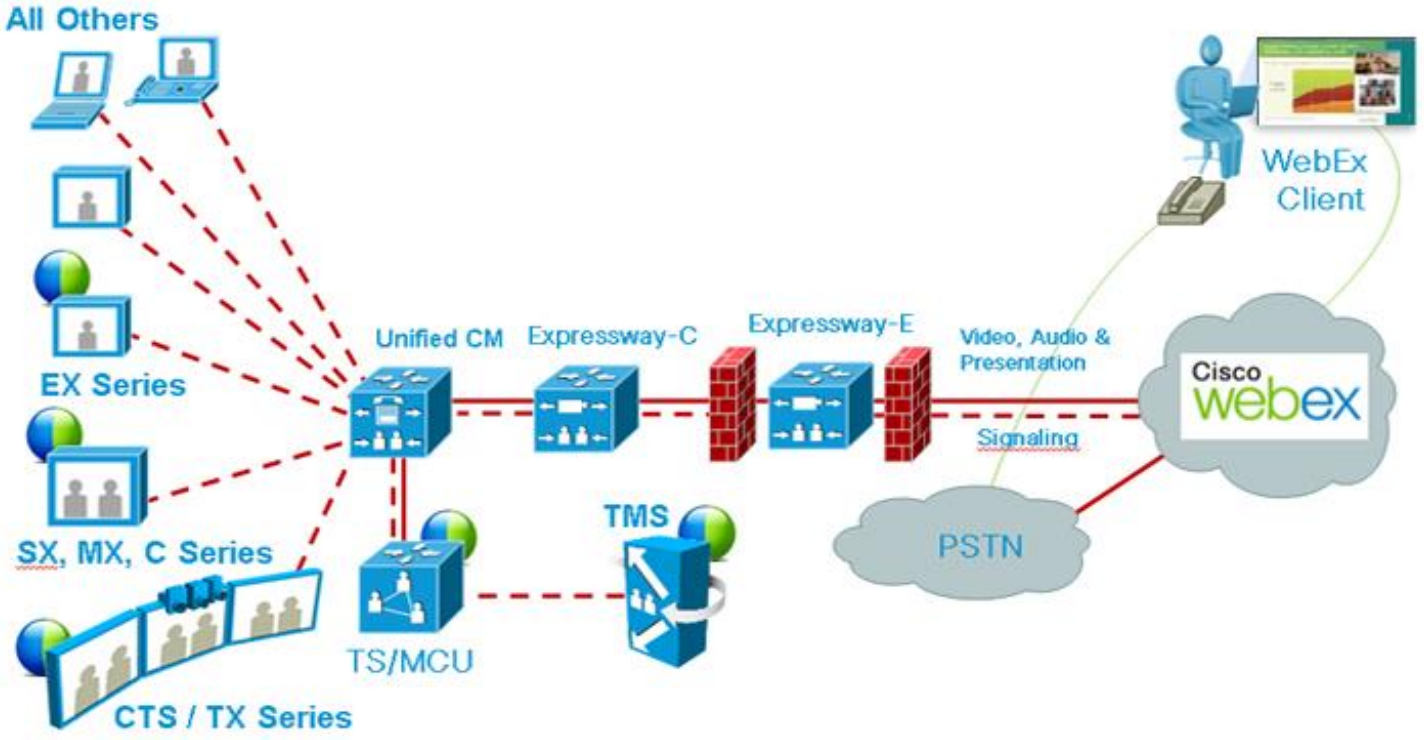
Unified CM-Centric Deployment Model



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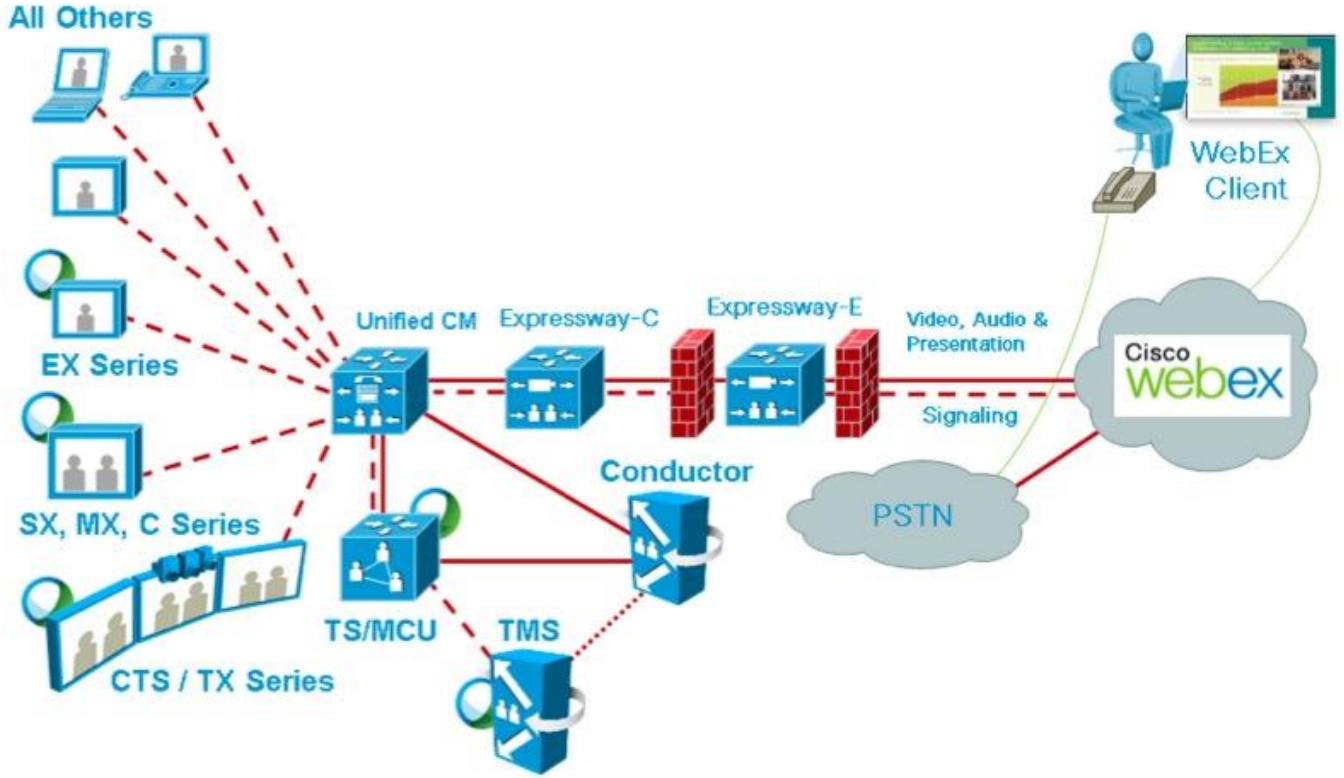
TP Conductor and vTP Server/300 Series

New

On both VCS and Unified CM-Centric model



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Minimum Versions for CMR Hybrid

Component	VCS Centric	CUCM Centric	Conductor
WebEx Meeting Centre	WBS28 LD / WBS29	WBS28 Lockdown / WBS29	**WBS29.11**
CUCM	9.x / 10.5	9.1.2 / 10.5	9.1.2 / 10.5
VCS C/E	7.2.3 / 8.2.1	7.2.3 / 8.2.1	7.2.3 / 8.5
Expressway C/E	N/A	8.2.1	8.2.2 / 8.5
MCU	4.4	4.4	**4.5**
TelePresence Conductor	N/A	N/A	**XC3.0**
TelePresence Server	3.0 / 4.0 (7010/8710 only)	3.0 / 4.0 (7010/8710 only)	**4.1** (all models incl. vTS & 300 series)
TMS **TMS-XE** **TMS-PE**	14.3.1+ / 14.4 3.0 1.2	14.3.1 / 14.4 3.0 1.2	**14.6** **4.1** **1.4**

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Instantly Invite WebEx Users to CMR Premises

New

To include partners, customers or colleagues who wish to use web conferencing

Step 1

Create a WebEx link with a single click from your CMR user portal

Create WebEx Connection

Step 2

Distribute your meeting details

Step 3

Meet in your CMR with WebEx

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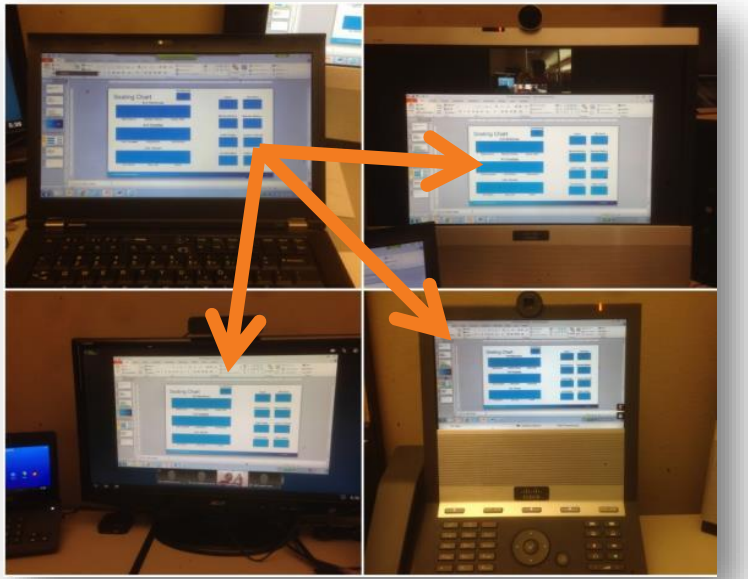
Presentation Share Quality Enhancement

New

Content shows full screen on TP endpoints

- Capabilities-based, negotiated resolution between TP endpoints, MCU/TS and WX;
- Share can cover entire TP endpoint screen on both 4:3 and 16:9 TP endpoints (aspect ratio is negotiated);
- Up to 720p resolution (since WBS29.8) and up to 1080p with TS and Conductor (CMR Hybrid only);
- Bandwidth: 3Mbps req'd at all WX clients to see 1080p share in CMR, 2Mbps req'd at all WX Clients to see 720p share in CMR.



Applies to both CMR Hybrid and Cloud

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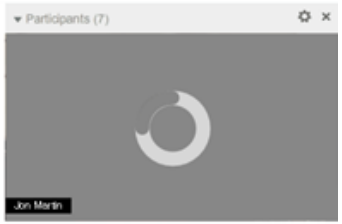
Video Experience Enhancements

New

- Starting frame fate for thumbnails and active video to be 15 fps, changed from 6 fps
  - Provides good video experience at work, where bandwidth is usually good.
- Spinning wheel turns to error message after 5 seconds
- Spinning wheel was indication of something wrong with WebEx, updated with a **message** that clarifies the root cause, either not enough bandwidth or local computer issue.
- **Auto recovery** (re-test) of receiving TP video after low bandwidth warning.



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CMR Cloud

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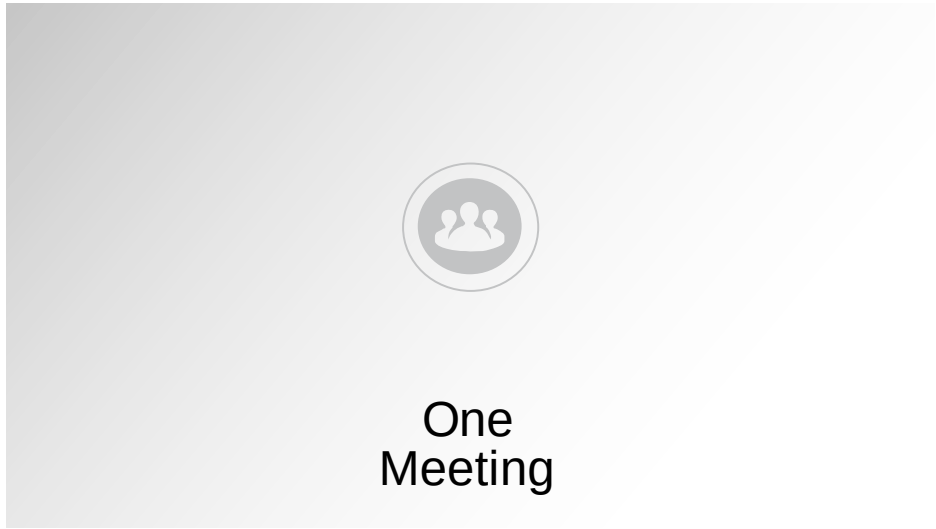
Your Secure Room in the Cloud



YOU@sitename.webex.com

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Desktop Collaboration

Lync

(Future)

Cisco TelePresence Endpoints

User

3rd Party Standards Based Video Endpoints

Jabber Desktop & Mobile

WebEx Desktop & Mobile

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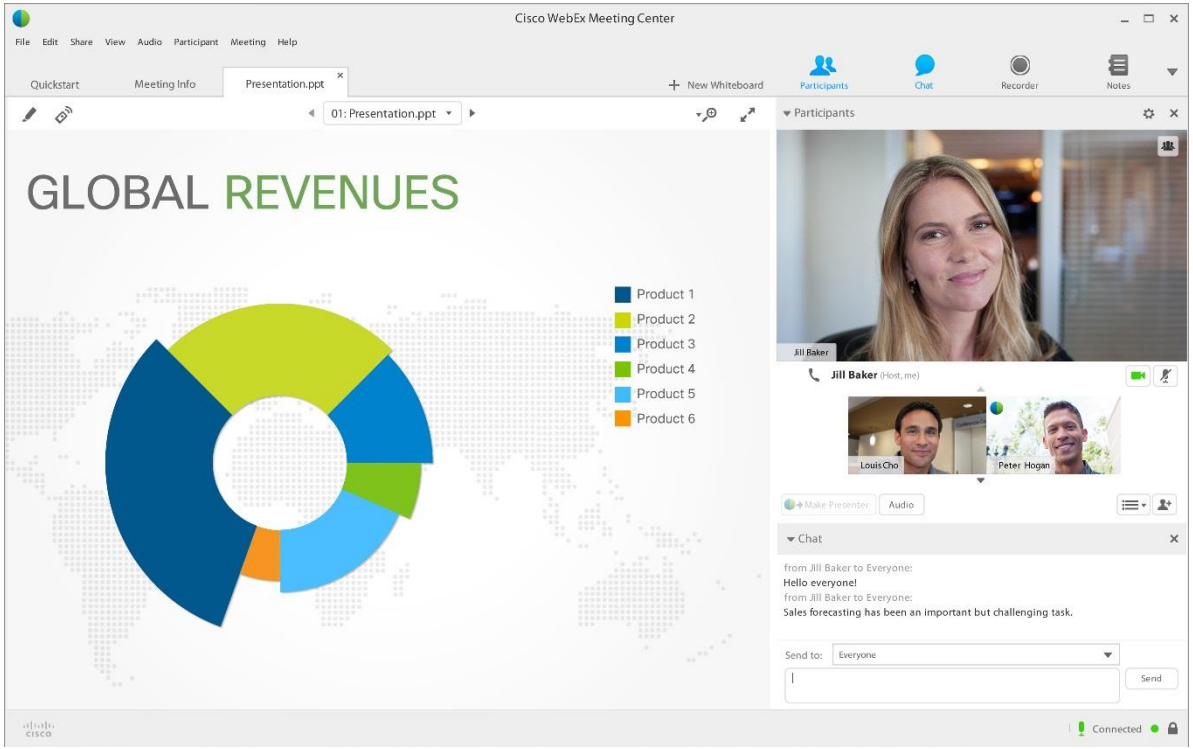
CMR Cloud Introduced by WebEx Rel. WBS 29.8

- Massive User Experience refresh and many new features (selection):
  - Meeting experience
  - Site refresh
  - Mac Productivity Tools
  - Wideband audio and audio prompts

- Introducing **Collaboration Meeting Rooms**



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CMR Cloud

Users	Support 1025 concurrent users in a single meeting • Up to 25 SIP or H.323 videoconferencing endpoints or clients • Up to additional 500 WebEx video participants • Up to additional 500 WebEx audio-only users
Video	• Video 720p 30 fps and content to 720p 5fps with support for standard (4:3) and widescreen (16:9) content • Single and multiscreen standards-based TelePresence systems
In-Meeting Controls	• See all meeting participants in a unified participant list • Mute, unmute, and drop any participant • Lock meeting to prevent unintended participants from joining • Record sessions with video, audio, and content for future viewing

End-to-End Security

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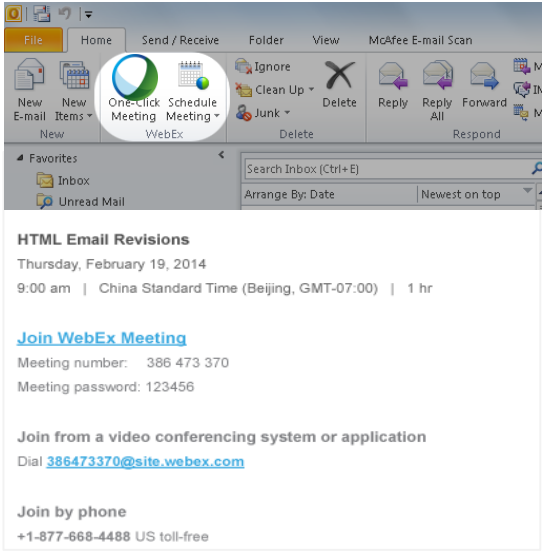
CMR Cloud – Meet Your Way

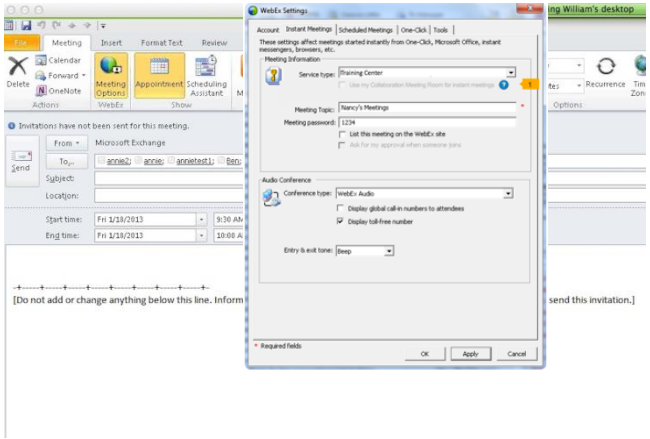
Instant CMR

On-demand, one-click meeting “Meet Now” – Start from Outlook, Jabber or WebEx site, Join on Video or WebEx



Scheduled CMR

For reserving conference rooms using Outlook, using normal work flows, or via WebEx site scheduling



Personal CMR

A personalised, always-available collaboration meeting resource for every user – Just Meet – Anytime

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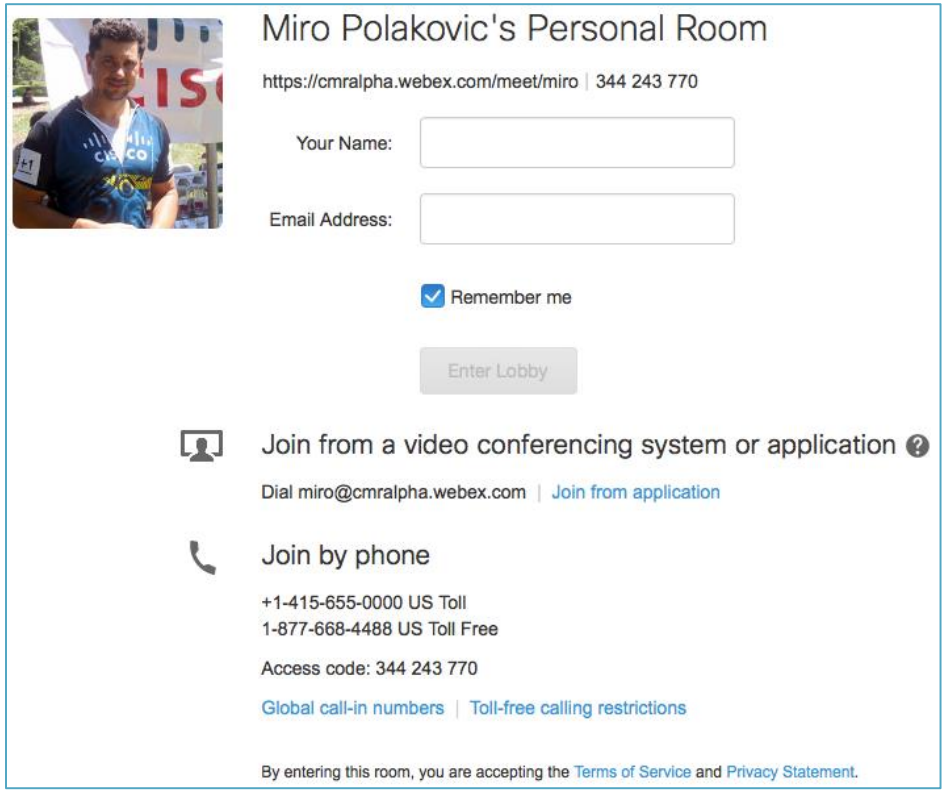
Joining a Personal Room

- Use the Personal Room for instant meetings anywhere, anytime, no scheduling required.
- Each Host has:
  1. Web URL for WebEx:
     https://<sitename>.webex.com/meet/<username>

     Landing page with different join methods, Bookmark for easy access.

  1. Video address (SIP and H.323):
     <username>@<sitename>.webex.com



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Joining From TelePresence

- Dial meeting room video address:
  <username>@<sitename>.webex.com
- Audio IVR requests the host pin or press # to wait for the host
- Once the host joins, attendees can begin to hear, see, share

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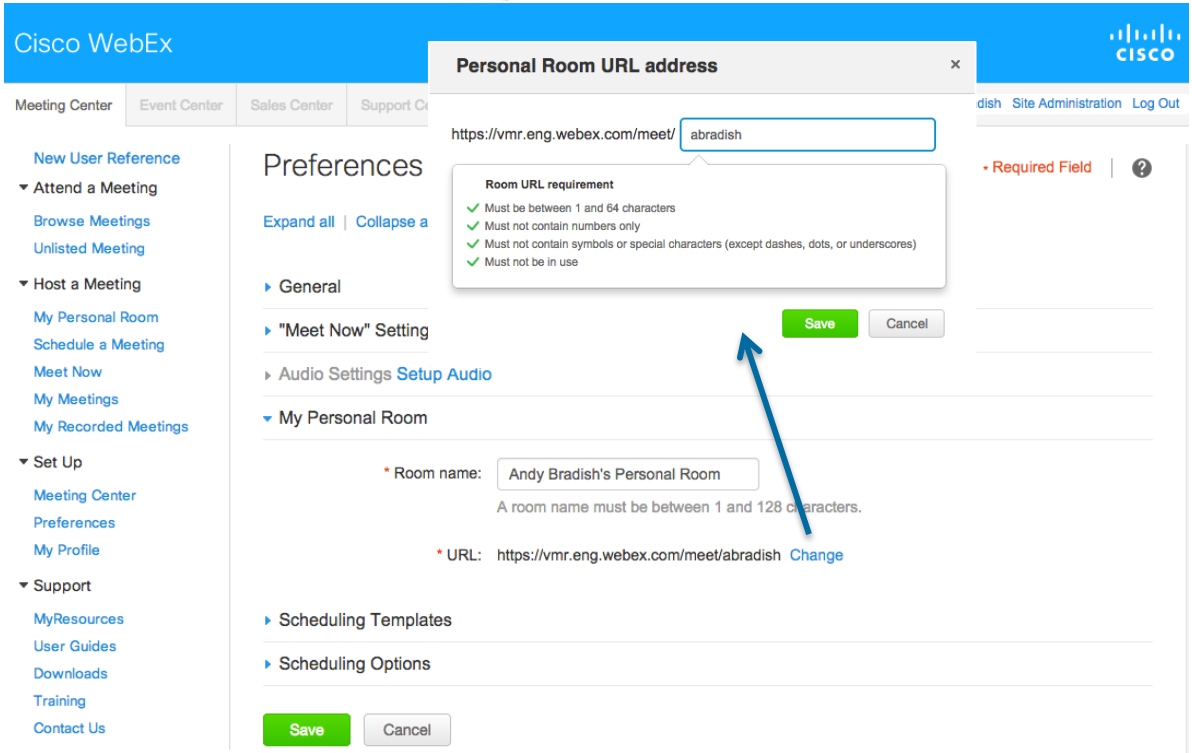
Manage your Personal Room

New

- Change your Personal Room name (same criteria as meeting title);
- Change your Personal Room link (site admin can turn the feature off);
- If you have CMR Cloud, you can edit your host PIN.



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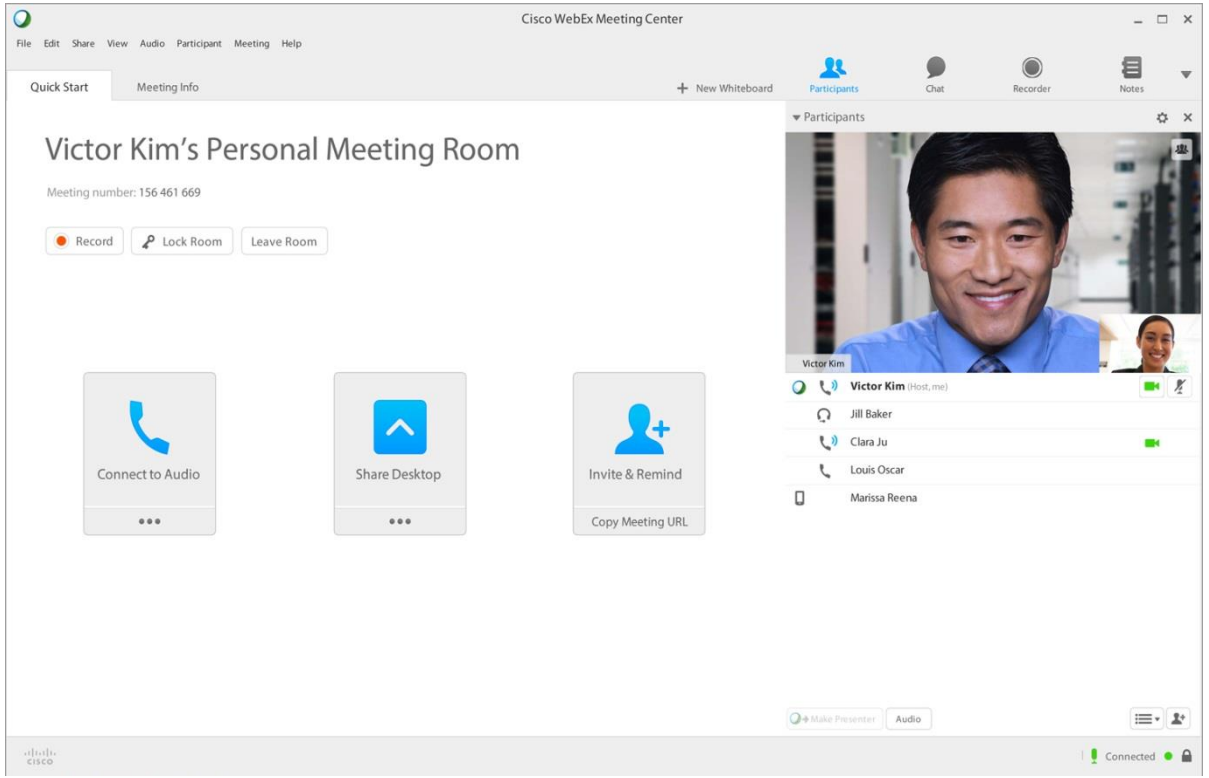
Meeting Experience in the Personal Room

- Improved audio dialing
- Clear HD video
- See list of all meeting participants
- Mute, unmute
- Expel participant
- Record session with audio, video, and content for future viewing
- Lock meeting to prevent unintended participants from joining



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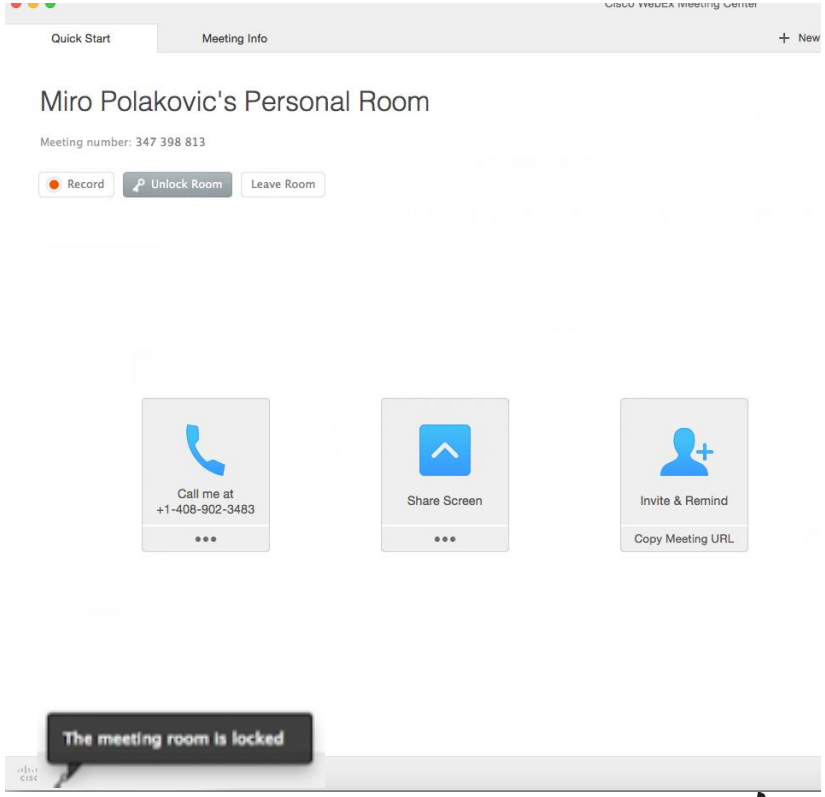
Host Locks the Personal Room for Privacy

- Host locks room during meeting
- Subsequent attempts to join greeted with “host has restricted access to the room” message



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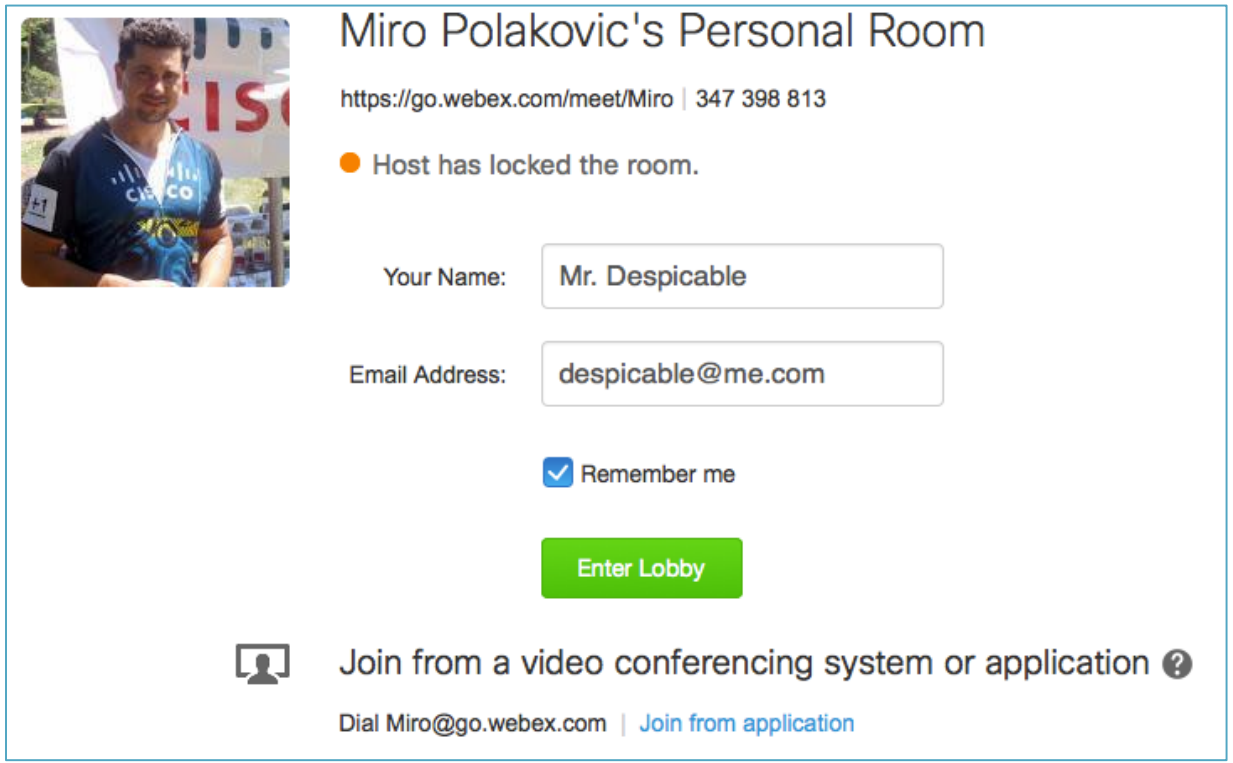
Attendee Auto-Knock New

- Use Case:
  - Host is present
  - Room is locked
  - Attendee joins



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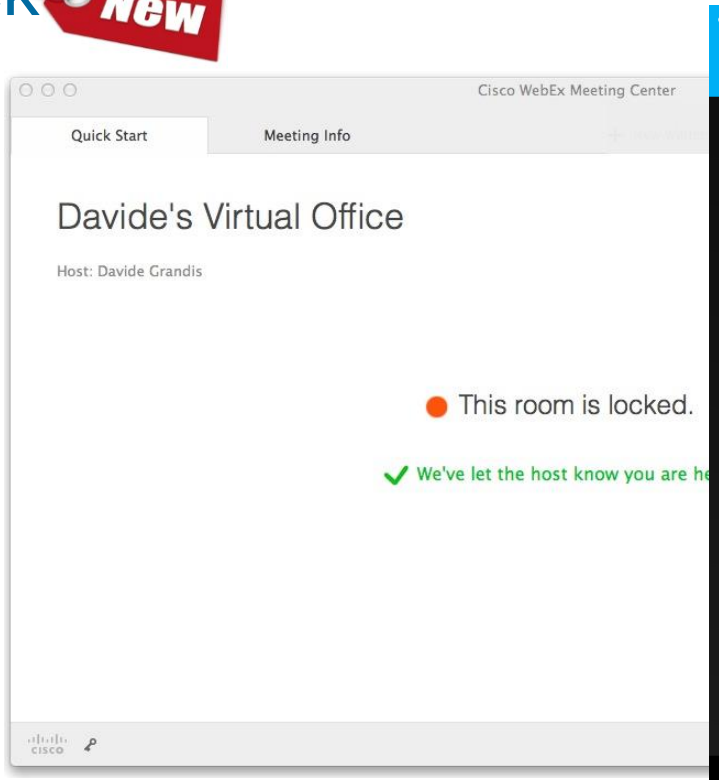
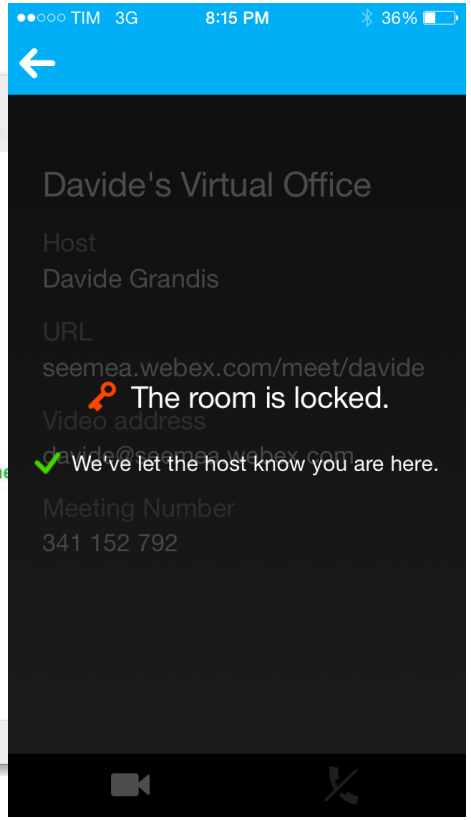
Attendee Auto-Knock

New

- Use Case:
  - Host is present
  - Room is locked
  - Attendee joins

Attendees get into the lobby





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Attendee Auto-Knock

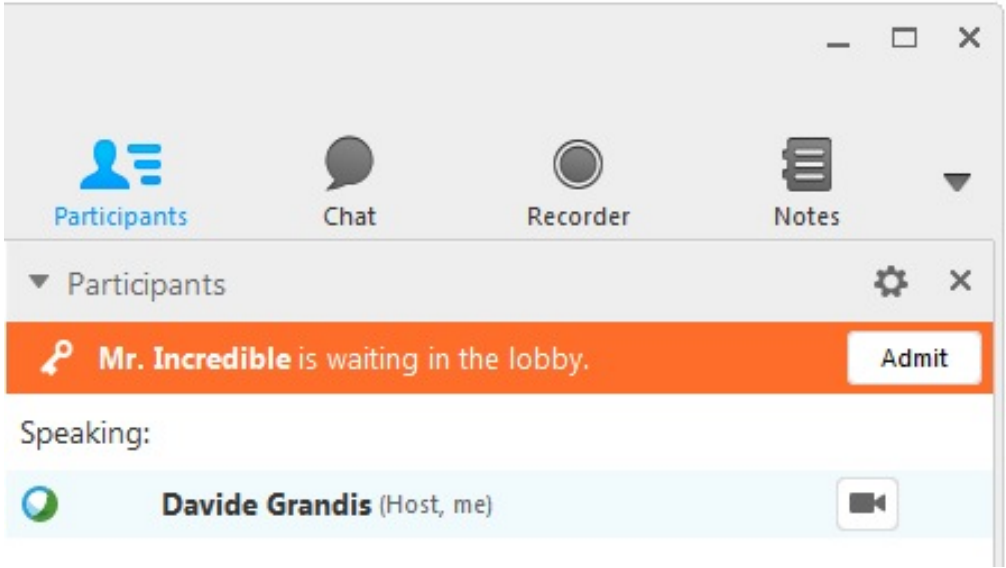
New

- Use Case:
  - Host is present
  - Room is locked
  - Attendee joins

Attendees get into the lobby

Host gets notified

Notification while not sharing: quickly admit one attendee



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Attendee Auto-Knock

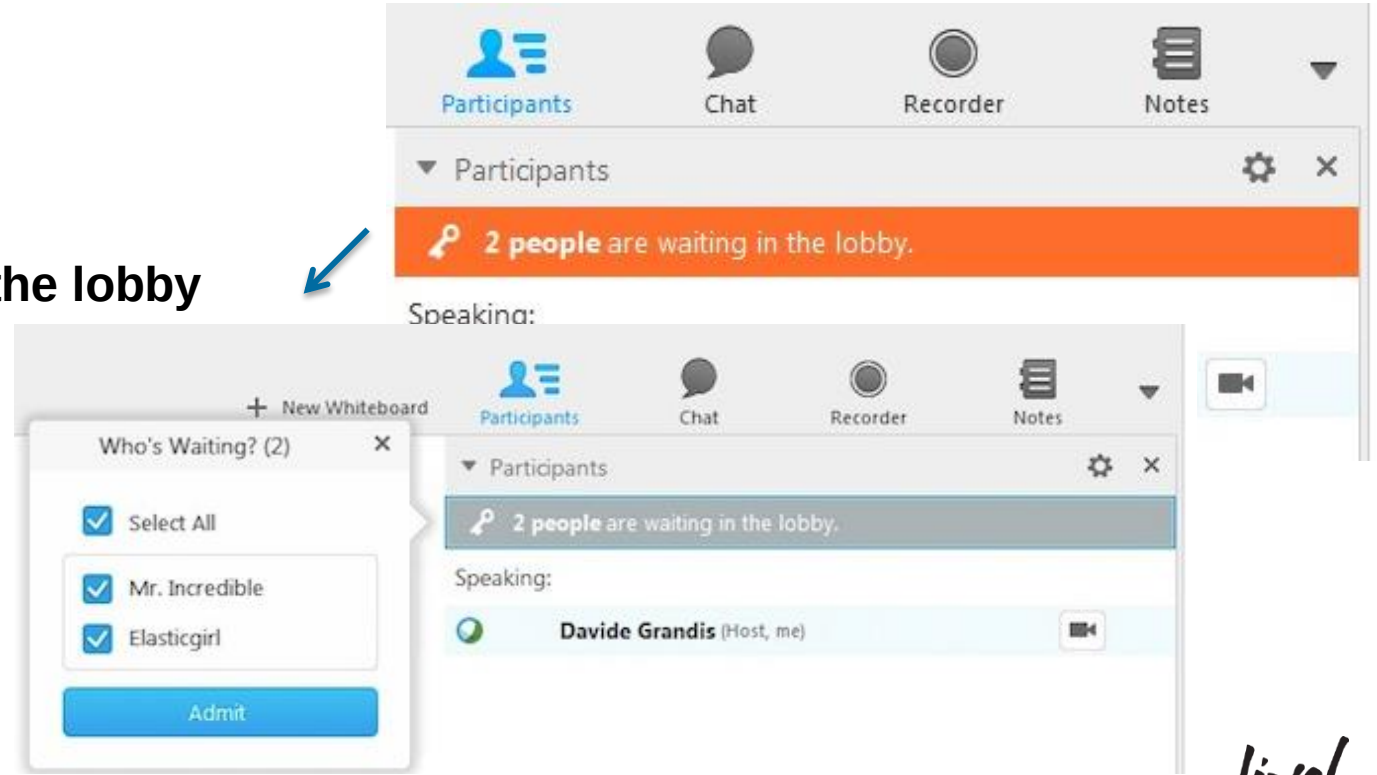
New

Notification while not sharing: manage all attendees in the lobby

- Use Case:
  - Host is present
  - Room is locked
  - Attendee joins

Attendees get into the lobby

Host gets notified



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Attendee Auto-Knock

- Use Case:
  - Host is present
  - Room is locked
  - Attendee joins

Attendees get into the lobby

Host gets notified

Notification while sharing

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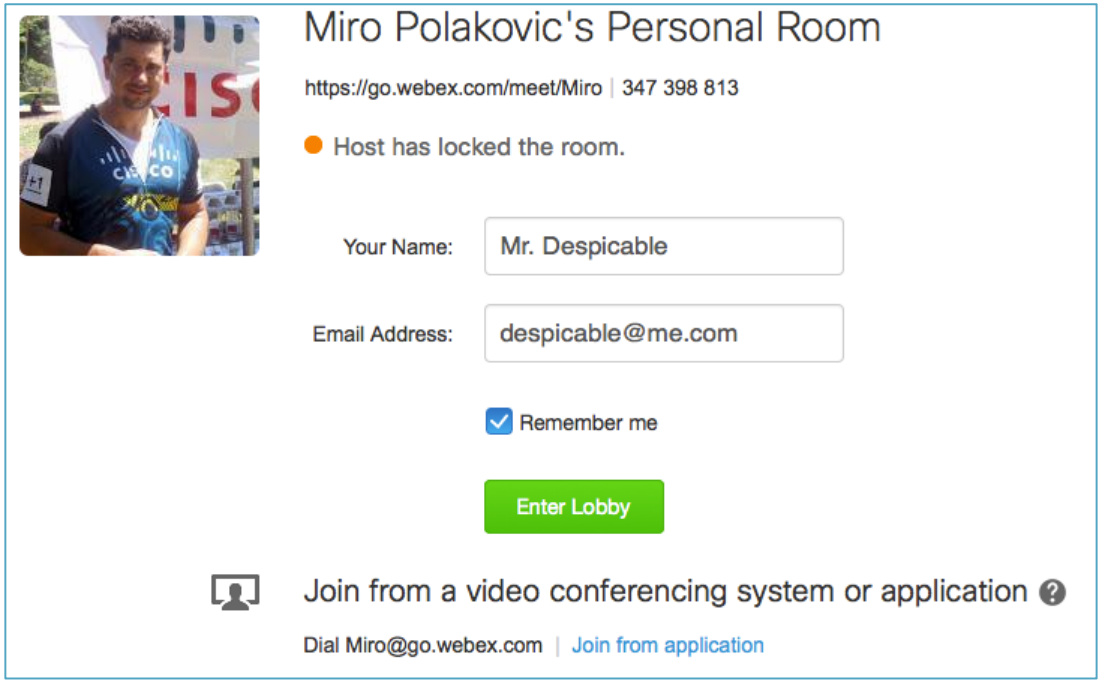
Attendee Auto-Knock New

- Supported for WebEx users only.
- TP endpoints in a future release.

When the host is not present the attendee will see the existing “Please wait for the host to join” message.



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CMR Cloud Localisation

All Standard WebEx Languages

- Lobby experience of video endpoints
- Lobby screen text
  "John Doe's Personal Room. Please wait until host joins."
- Meeting text
  "Meeting end notification"
- Audio IVR prompts heard in events
  "Welcome to WebEx. Please enter your PIN or press #."
- Based on host's language preference
  English speaking attendee joins a French speaking host's meeting will hear and see French prompts.

Language	Meeting Centre	CMR A/V prompts
Chinese (simplified)	✓	✓
Chinese (traditional)	✓	✓
Dutch	✓	✓
English	✓	✓
French	✓	✓
German	✓	✓
Italian	✓	✓
Japanese	✓	✓
Korean	✓	✓
Portuguese (Brazil)	✓	✓
Russian	✓	✓
Spanish (European)	✓	✓
Spanish (LATAM)	✓	✓
Swedish	✓	✓

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High Level Architecture and Supported Scenarios

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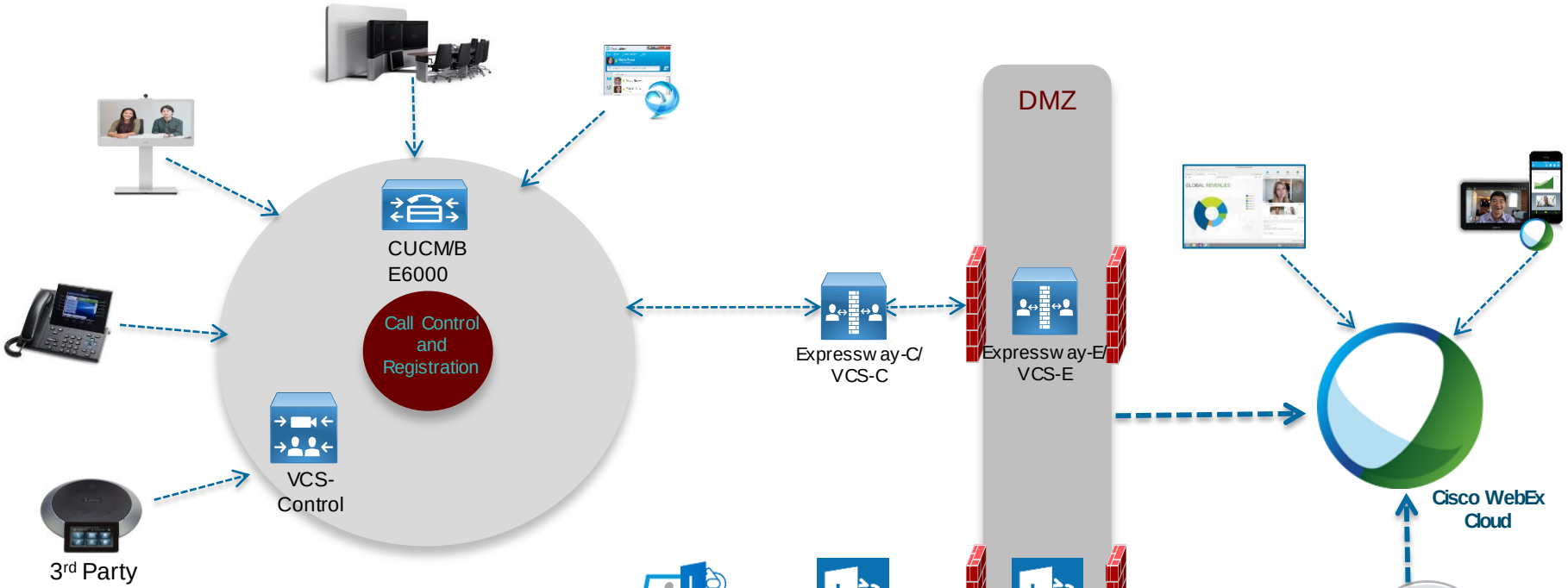
Preferred On-Prem Architecture for CMR Cloud



Infra elements	Tested versions
CUCM	9.1(1), 9.1(2) and 10.5
VCS-Control	X8.1 or higher
Expressway C and E	X8.1 or higher

- Lync support in a future release after launch

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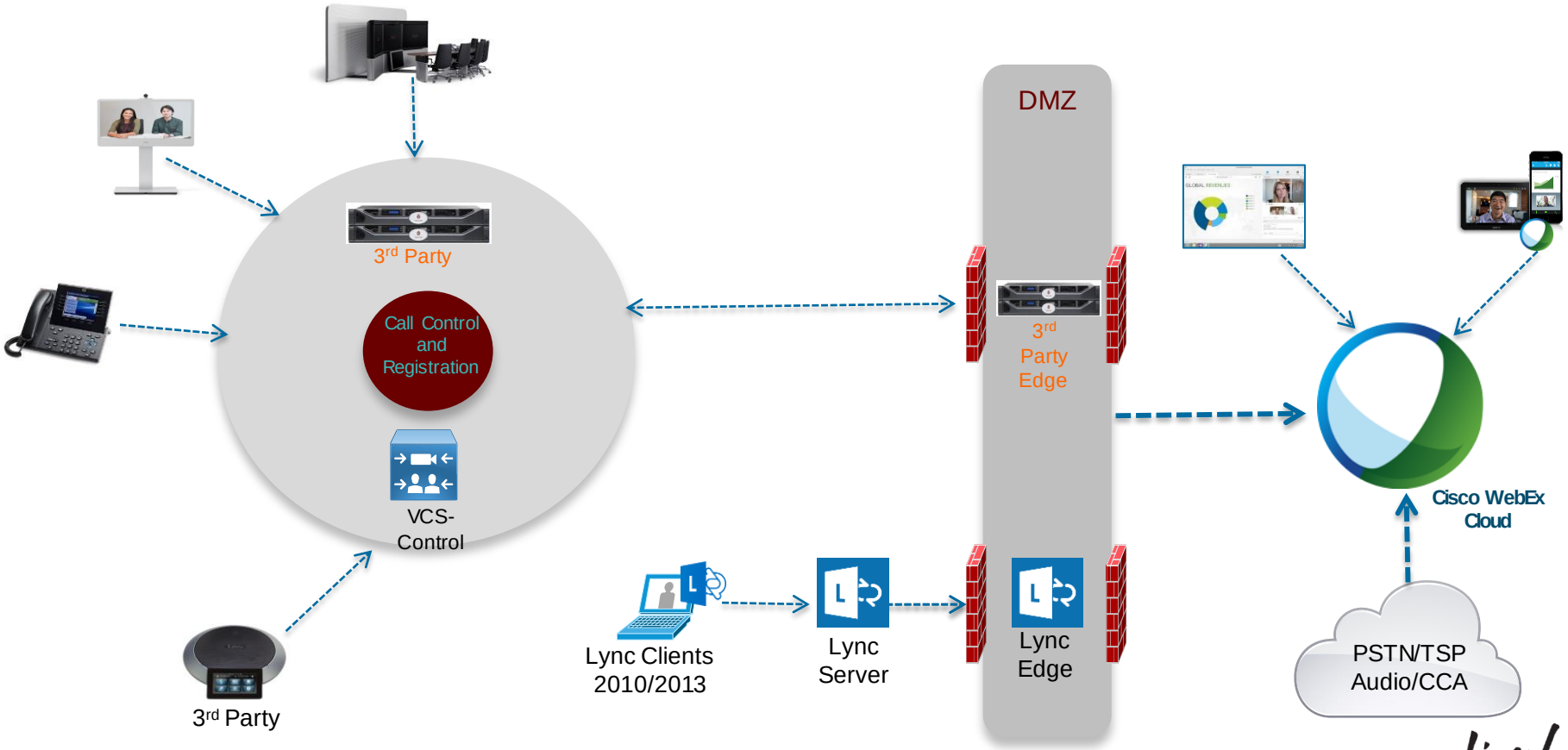
Supported On-Prem Architecture for CMR Cloud



- Lync support in a future release after launch

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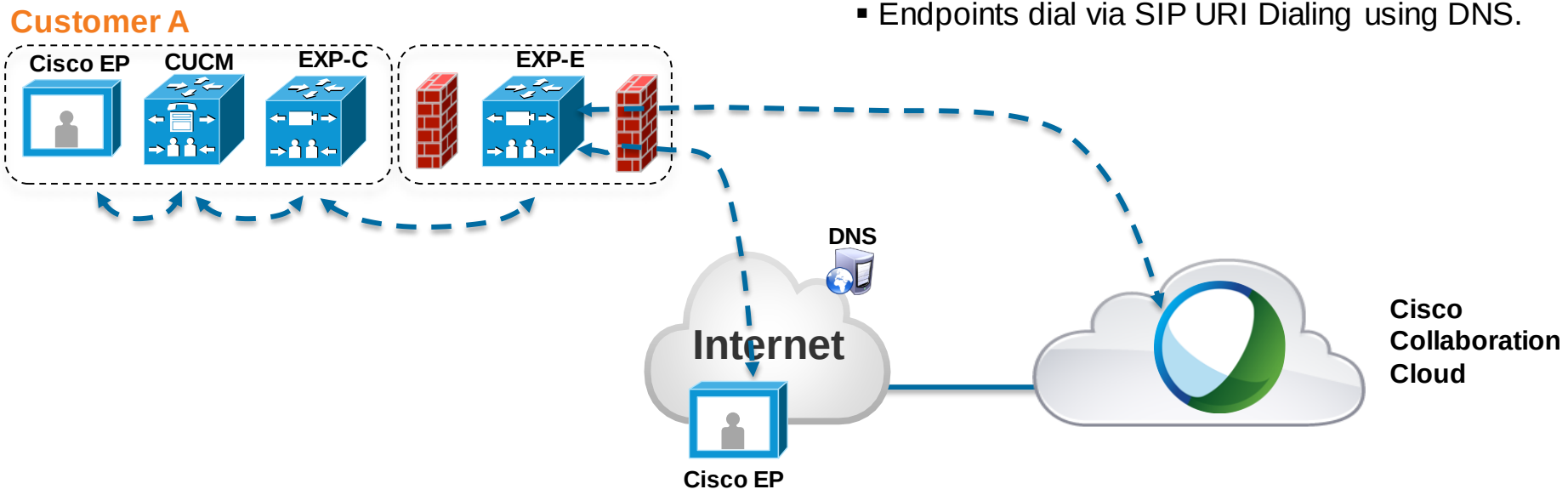
Supported Scenarios: SIP

Call-Control required

- Typical customer has traditional Cisco infrastructure - 3rd Party SIP infrastructure are supported too.
- Endpoints dial via SIP URI Dialing using DNS.



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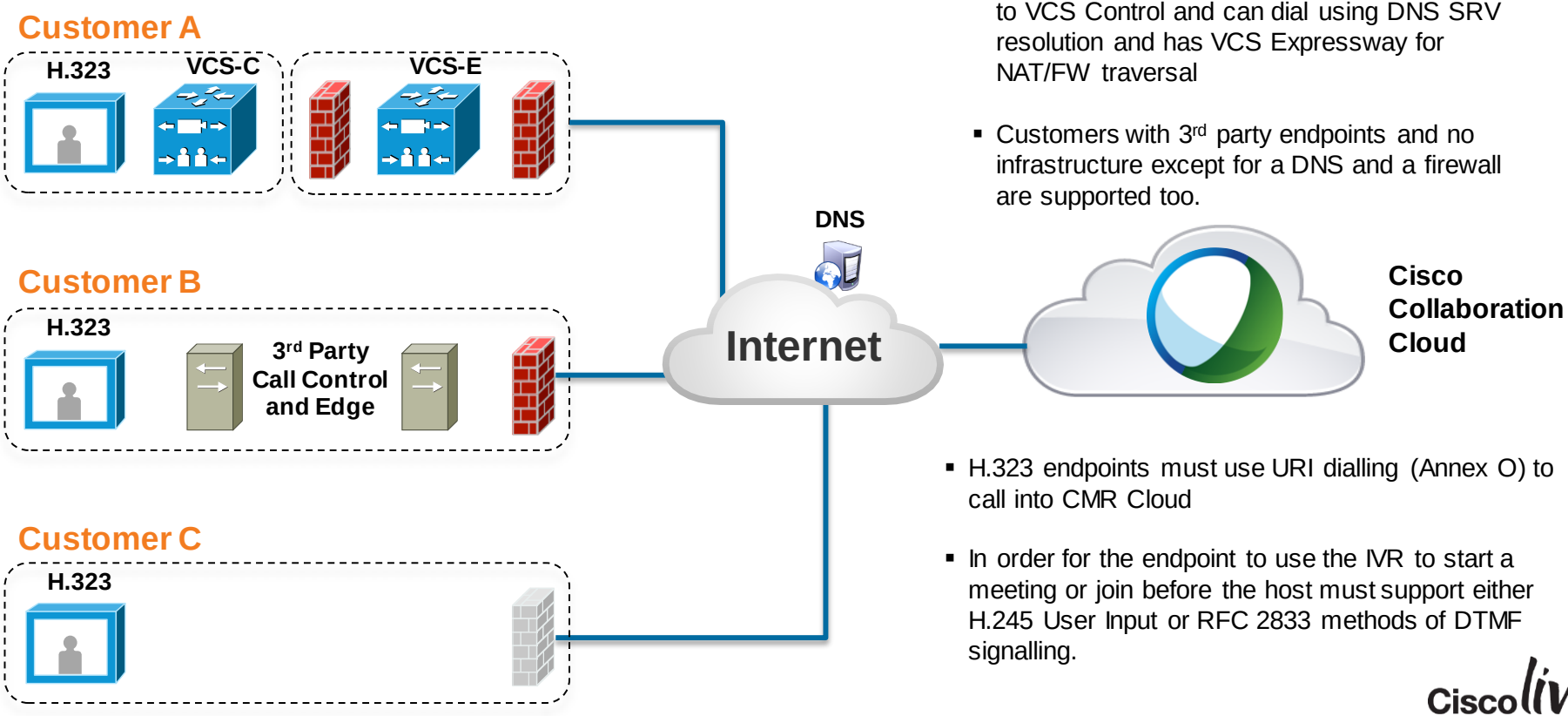
Supported Scenarios: H.323



- Typical customer has traditional TANDBERG/Cisco H.323 endpoints registered to VCS Control and can dial using DNS SRV resolution and has VCS Expressway for NAT/FW traversal
- Customers with 3rd party endpoints and no infrastructure except for a DNS and a firewall are supported too.
- H.323 endpoints must use URI dialling (Annex O) to call into CMR Cloud
- In order for the endpoint to use the IVR to start a meeting or join before the host must support either H.245 User Input or RFC 2833 methods of DTMF signalling.

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H.323 Features Supported

- Audio: G.711, G.722, G.722.1
- Video: H.263 or H.264 AVC from CIF up to 720p/30

- Encryption: CMR cloud interworks H.235 to SRTP
- Content: CMR cloud interworks H.239 to BFCP

- In-Meeting Features:
  - H.323 participants can mute/unmute themselves using DTMF using *6

No plans to support Four-screen “immersive” models from Polycom, Teliris, etc.

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Security

- For SIP based calls, the Cisco WebEx Cloud CMR service supports four levels of security (from the most secure):
  - encrypted TLS signalling with CA-signed* certificates and sRTP media encryption;
  - encrypted TLS signalling with self-signed certificates and sRTP media encryption;
  - non-secure TCP signalling with sRTP media encryption;
  - non-secure TCP signalling with non-secure RTP media.
- For H.323 based calls, Cloud CMR service supports H.235 encryption method.
- Multiple security profiles supported independently.
- **Recommended design**: multiple traversal zone on the Expressway with `TLS Verify Mode ON` with higher priority.

* See list of supported Root CA's in the configuration guide.

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CMR Cloud – Licensing

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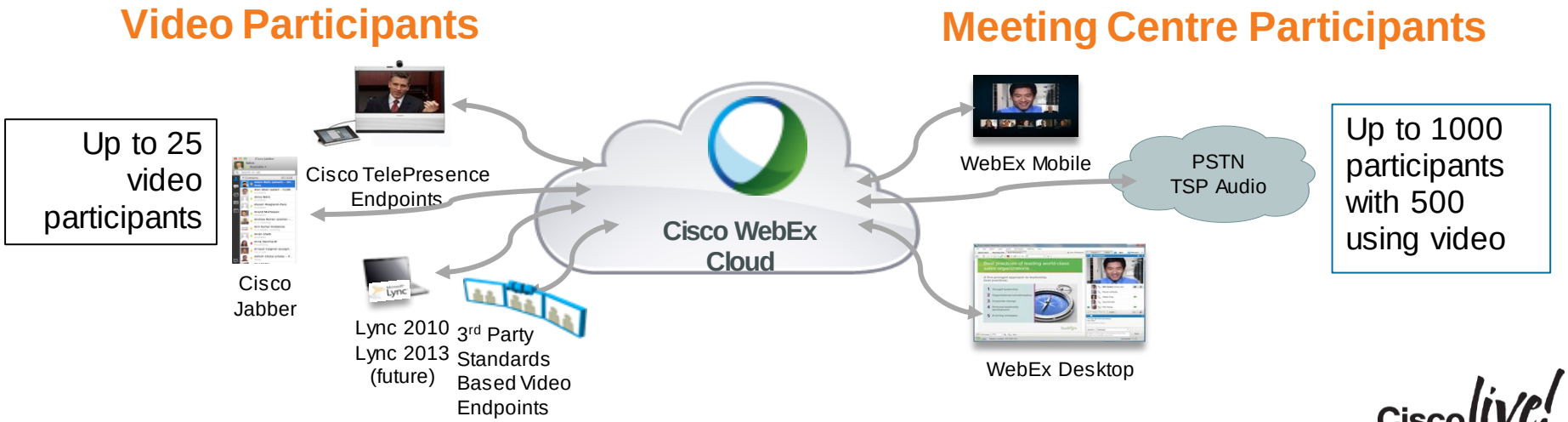
Collaboration Meeting Room Cloud Licensing

- CMR Cloud is an add-on feature to WebEx Meeting Centre;
- Allows an additional 25 video participants to join a Meeting Centre meeting:
  - Each video screen constitutes a video participant
  - Actual Meeting Centre participants depends on Meeting Centre licensing (25-200-1000).



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CMR Cloud Licensing Model

CMR Cloud is an add-on license to WebEx Meeting Centre

CMR Cloud Licensing Model	Meeting Centre Licensing					Notes
	Named User	Active User	Employee Count (ELA)	Ports	Minutes	
Named User	✓	✓	✓	✓	✓	Best for limited deployment Minimum 5 licenses
Active User		✓	✓			Lower cost for company-wide deployments
Employee Count (ELA)			✓			

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Expressway Traversal Session Lic. for CMR Cloud

What

Offer firewall traversal session licenses at **no additional cost** to customers purchasing Cisco Collaboration Meeting Rooms (CMR) Cloud.

How

Long term: Enable firewall traversal to the Cisco WebEx Cloud without requiring additional licenses.

Short term: Get temporary traversal session licenses for every CMR Cloud order.

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Expressway Traversal Session Lic. for CMR Cloud

Available January 28, 2015

Who	For Cisco-based video deployments CUCM (and BE) with Expressway C&E or VCS+Expressway
What	• **Long term**: Connect to CMR Cloud via Expressway without needing licenses (currently planned for mid-2015) • **Short term**: Get 125 time-bound traversal session licenses for every block of 250 CMR Cloud users
How	• GPL Named Host via CCW • GPL Active User, Employee Count via A2Q • GRA Named Host, Active User, Employee Count via A2Q • Current customers who already ordered CMR Cloud via A2Q
Why	• Simplify the CMR Cloud sales process • Improve customer purchase experience • Lower total cost of Cisco end-to-end solution

Example

Buy CMR Cloud Licenses	Get Traversal Sessions
1-250	125
251-500	250
501-750	375
….	…..
8001-8250	4125

Each Traversal Session = 2 RMS Licenses

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CMR Cloud Assessment to Quality (A2Q)

- A2Q is high level deployment assessment tool used to identify solution issues and sets service expectations **before a deal gets booked**
  - A2Q is a questionnaire submitted and processed through web portal
  - Exceptions interactively processed
- A2Q is automated on-line at: http://tools.cisco.com/atoq
- Why A2Q for CMR Cloud? (at least initially)
  - WebEx specific: Site release and audio (not all supported);
  - Customer specific (Video):
    - Ability to dial out to SIP/H.323 edge via DNS resolution
    - 2-way video through Firewall Traversal (RMS) capable edge
    - UDP media allowed through firewall
- A2Q being used for RMS Licensing fulfillment as common tool already in use, to speed up processing and keep history of customer requests

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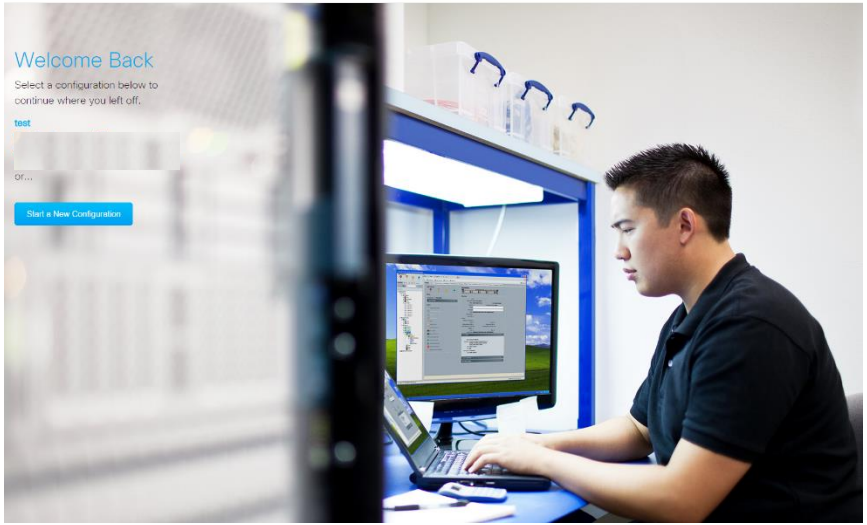
CMR Configuration Tool

Providing Quicker Cloud Deployment

- Deliver a self-service, easy to use configuration tool, substantially reducing errors
- Automate on-premise configuration, reducing on-boarding costs for customers and partners
- Start using CMR Cloud faster
- Download from Chrome Web Store
- Available for trial at Cisco Live Milan, FCS Feb 21st, 2015



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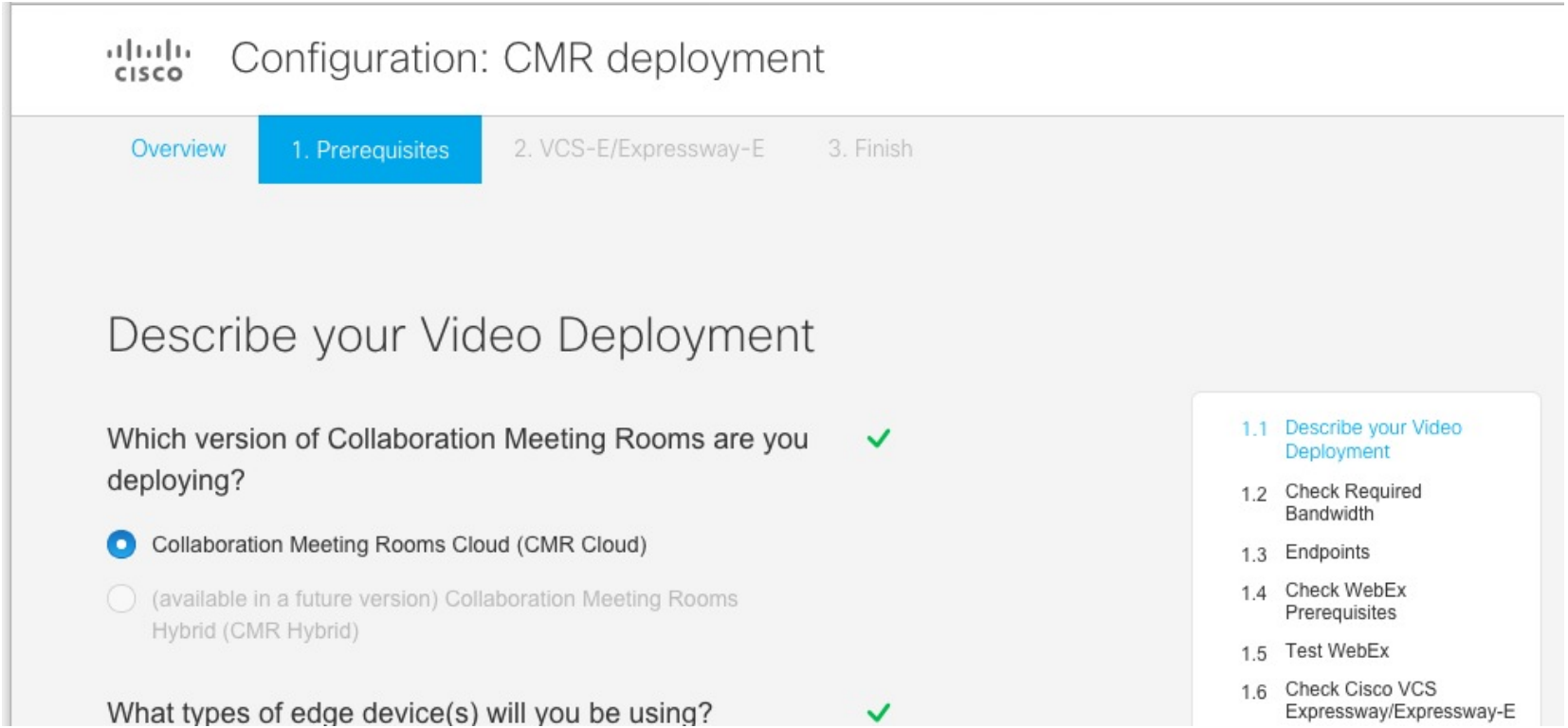
CMR Configuration Tool

Example Screens: Pre-requisite Screen



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CMR Configuration Tool

Example Screens: VCS Configuration

Configuration: Acme Corp EZ Config - Headquarters

Overview | 1. Prerequisites | 2. VCS-E/Expressway-E | 3. VCS Control/Expressway-C | 4. Route Pattern Setup | 5. WebEx Post Configuration Test | 6. Finish

Set up a DNS Zone

Creating a New WebEx DNS Zone on VCS

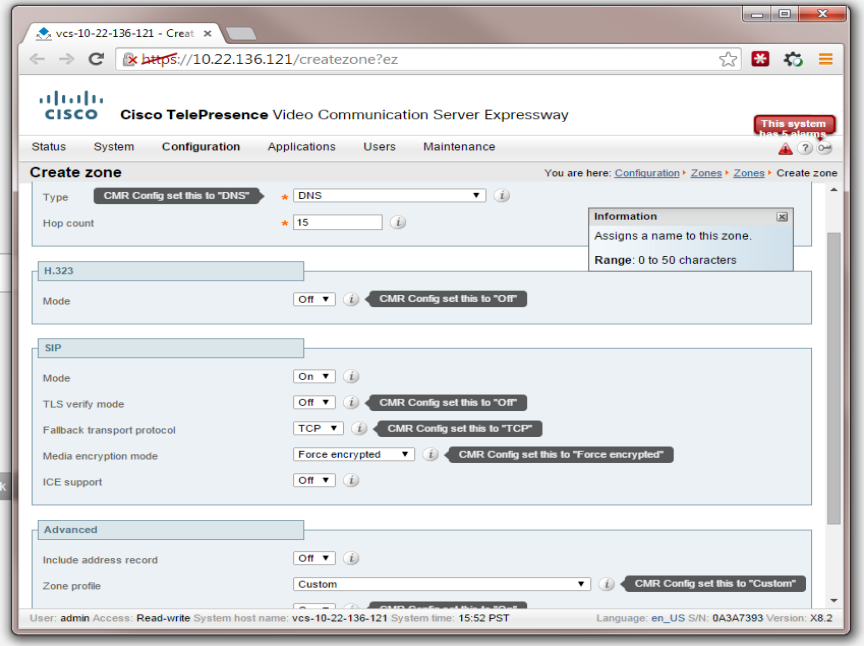
By default, a VCS solution will handle local domains and route calls going to non-local domains to the VCS Expressway/Expressway-E to route them to the Internet via a DNS zone. Connection to the WebEx cloud uses a new WebEx-specific DNS zone that must be configured on VCS Expressway/Expressway-E.

Creating a New DNS Zone

Clicking the button below will open a form to create new DNS Zone. Please double check the form and click "Create zone" when done.

Help me to add a WebEx DNS Zone | To skip, select a reason...

Back



CMR Cloud - Lync Interoperability

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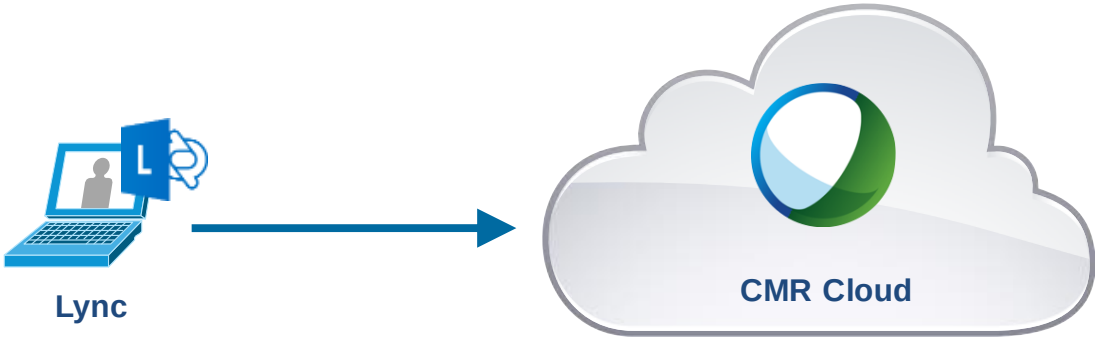
Introduction of Lync Support

- Starting from Q1 CY15 CMR Cloud will allow Lync clients to join

- **Capabilities: audio/video/receiving content**



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What Features Are Supported For Lync Clients?

- **Video**: H.263 (CIF) or H.264 UC (720p/30)
  - CMR Cloud converts from MSFT proprietary H.264 SVC to H.264 AVC
- **Audio**: G.722
- **Content**: View Only
  - CMR Cloud encodes content in main video -> composite layout
- **In-Meeting features**: Participant list not available
  - Lync users can mute/unmute themselves using DTMF

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What Versions Of Lync Are Supported?

Servers:

- Lync 2010, Lync 2013 and Office 365 (Lync 2013)
- Lync 2007 and 2007 R2 not supported.

Clients:

- Lync Windows 2010 (H.263 CIF)
- Lync Windows 2013 (H.264 up to 720p/30)
- Lync Mobile iOS and Android
- Lync Mac 2011 only supports RTV (no H.263 or H.264 support), will connect as audio only

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Introduction of Lync Support: Beta Release

- Lync client support is considered Beta due to some known caveats;

- Cisco support is same as 3rd party endpoints:
  - Verify provisioning and configuration of WebEx site is correct
  - Verify conferences is created and functioning
  - Best effort on client configuration and usage

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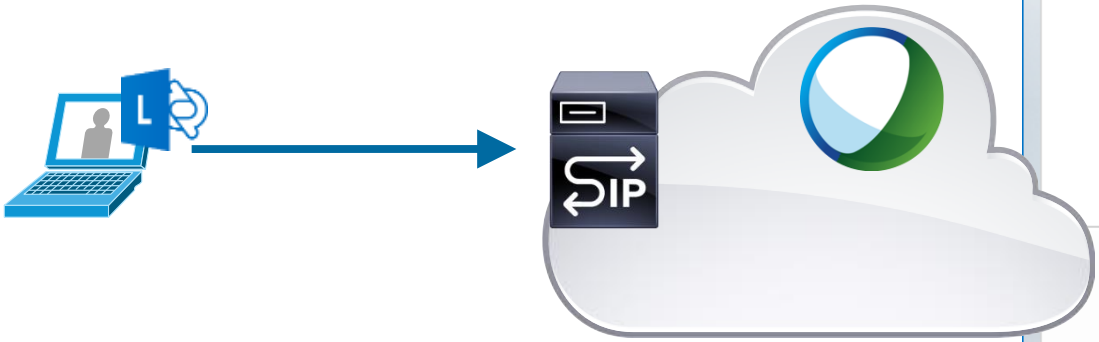
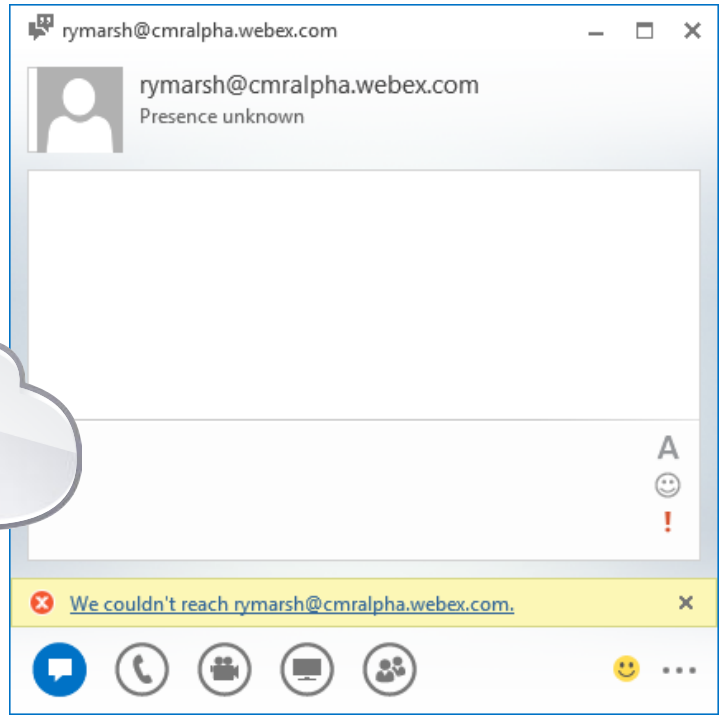
Caveat: Lync Connects via a Special SIP URI

- A dedicated URI for Lync clients is required.



{meeting# | username}.sitename
@lync.webex.com



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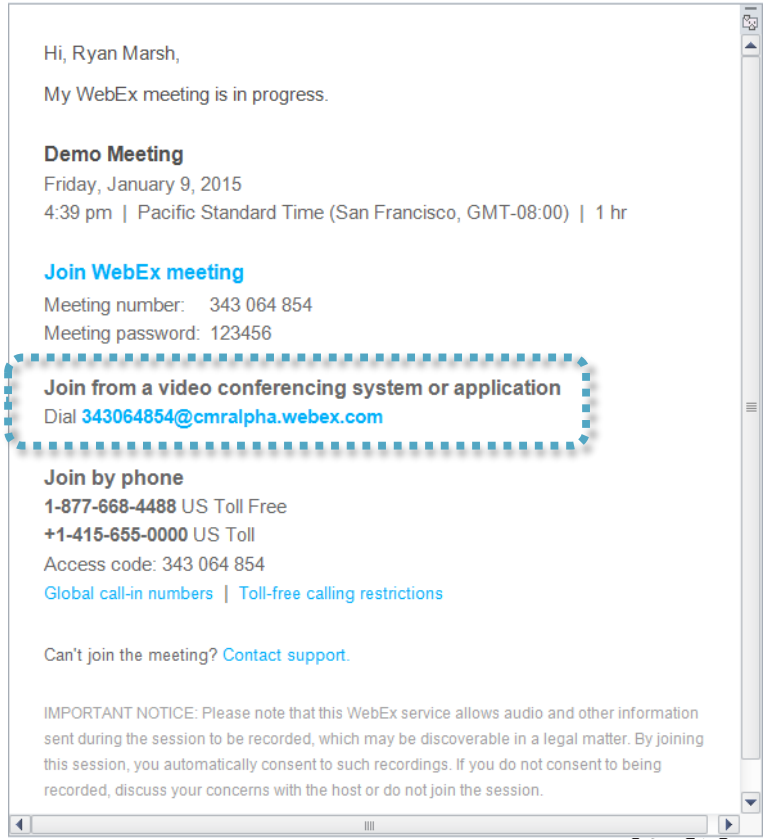
Caveat: Lync Dial Instructions Not Included In Invites

- Lync specific connection instructions are not included in the invite

Doesn't work for Lync



- **Workaround**: Administrators can use the Pilot Number field or customise the email templates to include Lync instructions.

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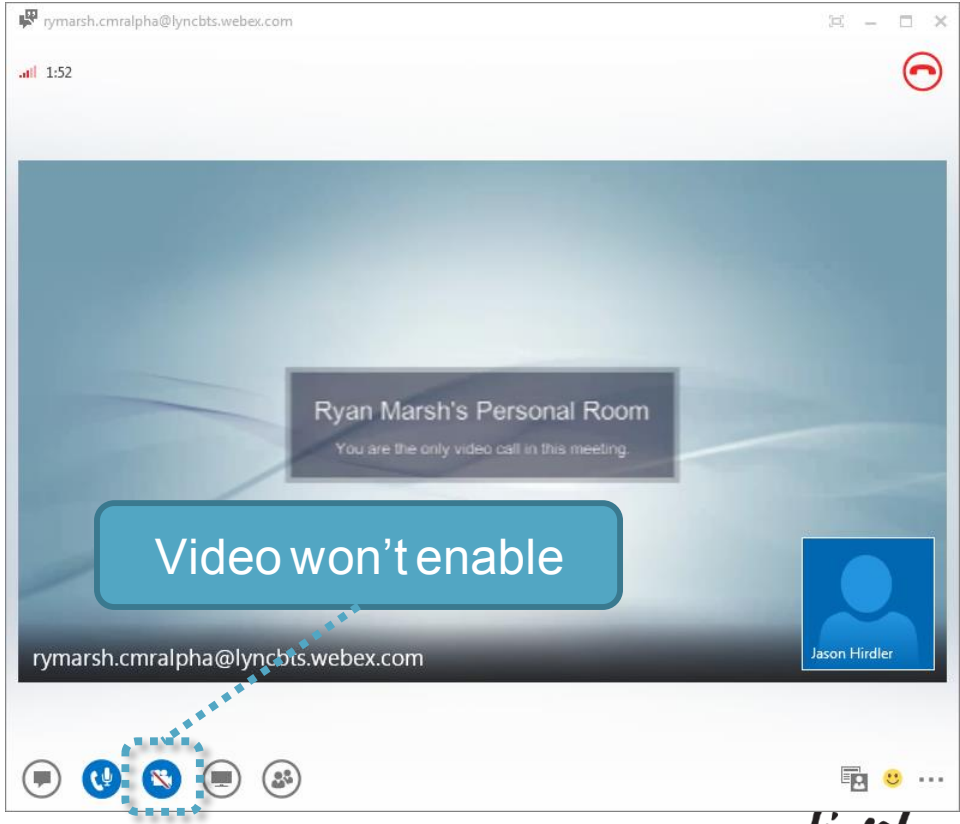
Caveat: Lync Can't Escalate From Audio To Video

- If Lync initiates the call as audio-only, it cannot escalate to video. Instances where audio-only is used:
  - Lync user clicks on audio button
  - Lync user is first participant to join

- **Workaround**: Join when the meeting is started. Lync Host may start CMR from WebEx.



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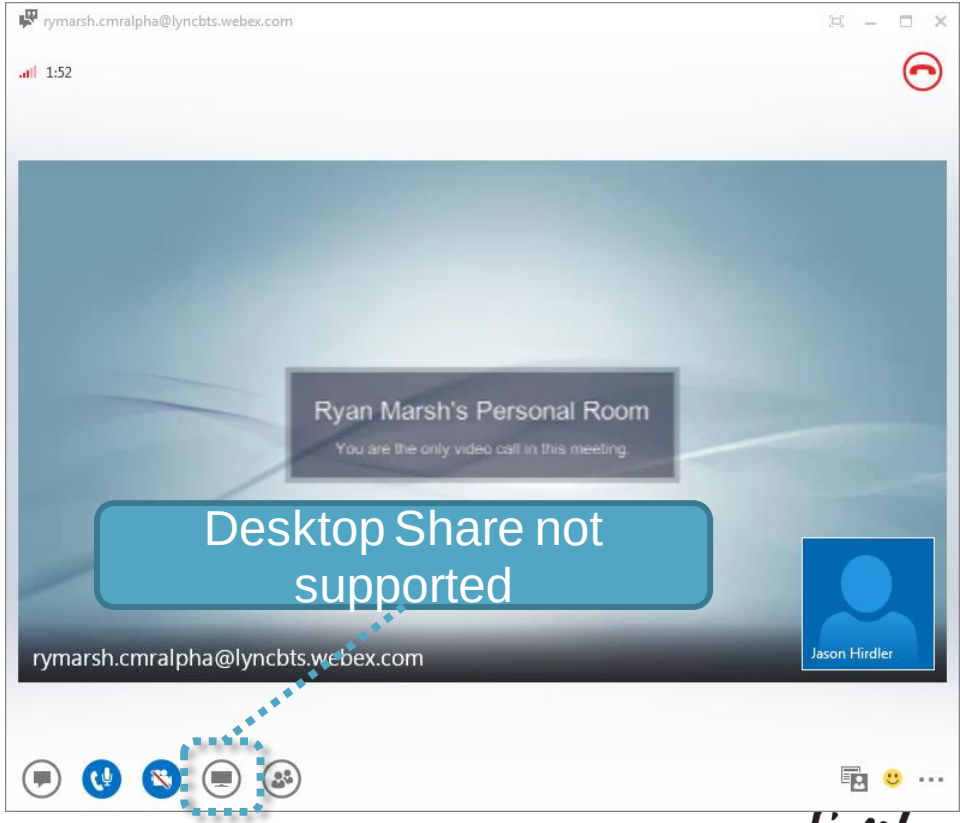
Caveat: Lync Users Can't Share Desktop

- Lync cannot share desktop in a CMR Cloud session. Due to the use of the RDP proprietary protocol.

- **Workaround**: None. Plan to be addressed in a future CMR release (currently planned for Q2 CY15).



BRKCOL-2020 – Cisco UC and MSFT Integration

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Collaboration Meeting Room Comparison

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	CMR Hybrid	CMR Cloud
Best fit for	**Extend the Cisco TelePresence (leverage the investment)** **On-premises MCU/TS (CAPEX)** **Leverage full HD (1080p) TP video and screen sharing**	**Break the conferencing silos (3rd party video, Lync)** **Elastic Cloud MCU (OPEX)**
Differences		
Meeting Paradigms	Scheduled Meeting	Scheduled Meeting Instant "Meet Now" Meeting Personal Meeting Room
Scheduling	OBTP for scheduled endpoints	Webex site Scheduling Endpoints cannot be scheduled
In-Meeting Experience	No unified roster list (today) Separate controls on WebEx client & TelePresence endpoints	Unified roster on WebEx client Unified controls on WebEx client
Bandwidth (TelePresence)	One TP stream per meeting	One TP stream per endpoint

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CMR Hybrid and Cloud Co-existence

CMR Hybrid and Cloud can be enabled on the same Webex site and on the same host account.

Different scenarios are possible. Some examples:

1. **Hybrid/Cloud by user group:**
   - Set of users A with CMR Hybrid:
     - Full HD/immersive rooms – scheduled with optional concierge – internal (TP)-only meeting (optional)
   - Set of users B with CMR Cloud:
     - Maximum ease of use for personal use with the Personal Room
2. **Hybrid/Cloud by use-case (not recommended):**
   - All users get CMR Hybrid and CMR Cloud enabled in their WebEx accounts
     - Different outcome depending on the scheduling tool (Productivity Tools goes "Cloud") and not really future proof.

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Collaboration Meeting Room

Summary

- CMR provides one convergent conferencing solution by integrating Video and WebEx;
- Flexible: can be deployed in the Hybrid or Cloud fashion (or both):
  - Hybrid: extends the Cisco TelePresence reach;
  - Cloud: breaks the conferencing silos.
- The right User Experience is the key to a successful deployment.

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Call to Action

- **Come and see me at the World of Solution for a CMR demo**
- Meet the Engineer
- Lunch time Table Topics
- DevNet zone related labs and sessions
- Recommended Reading: for reading material and further resources for this session, please visit www.cisco.com/go/cmr

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Q & A

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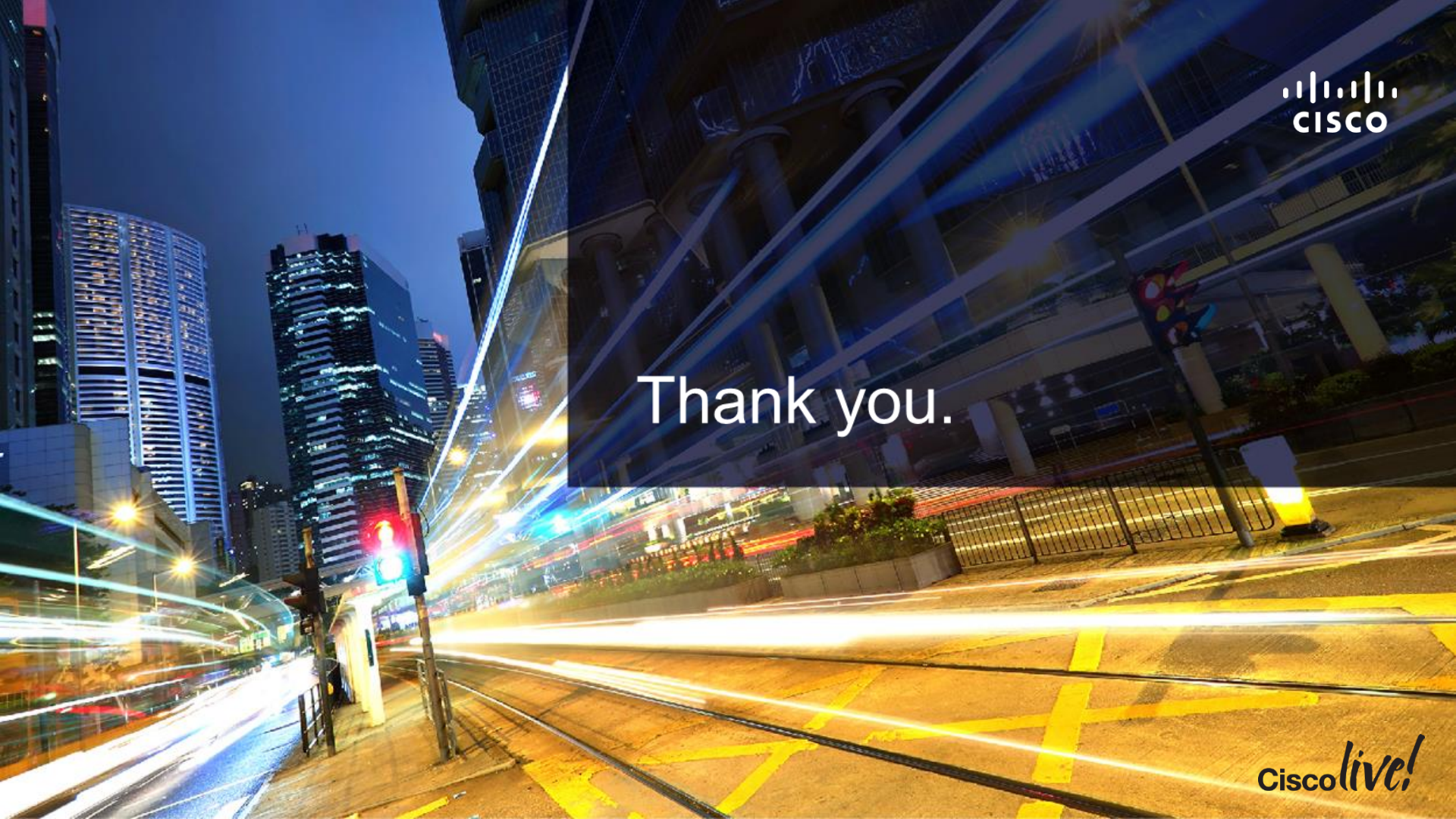
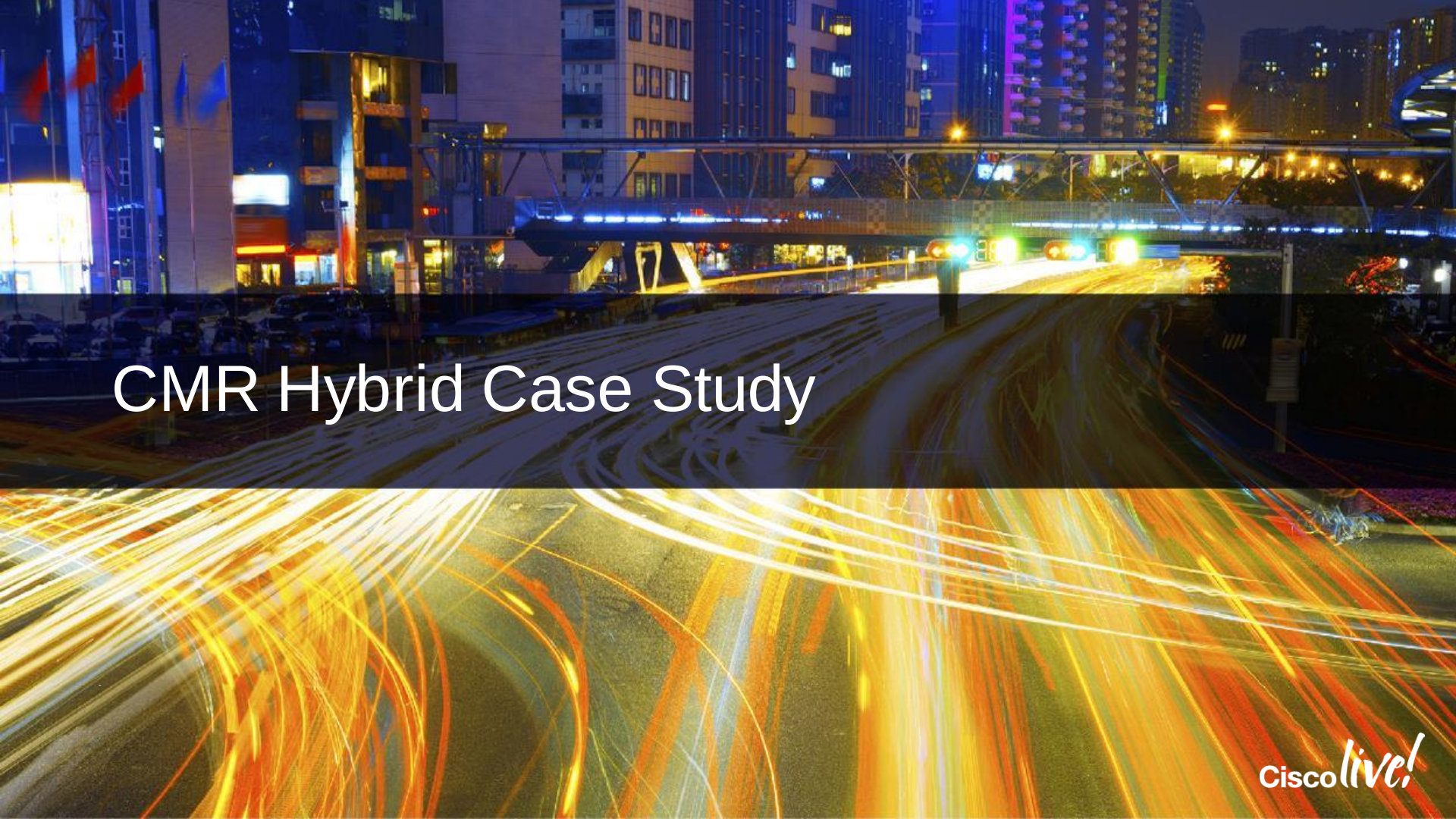

Thank you.

CISCO



CMR Hybrid Case Study

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CMR Hybrid Customer Profile:

TP Partner:

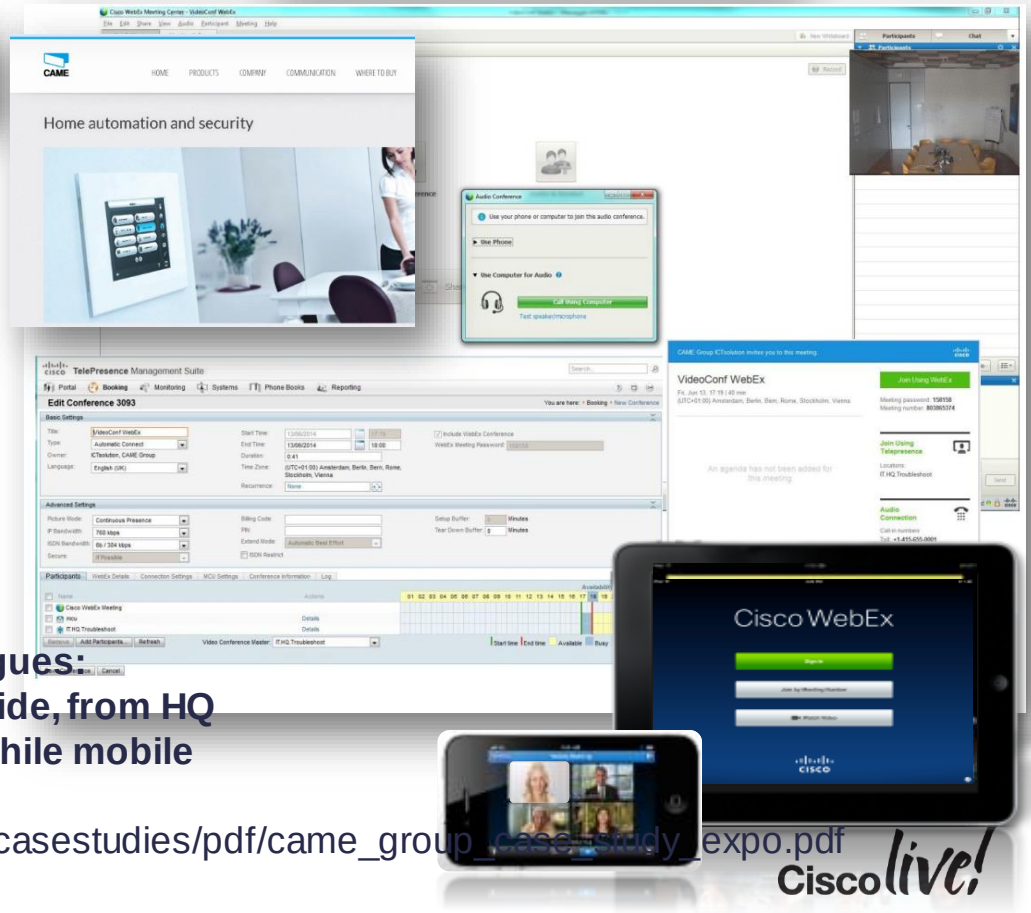
Headquarters: Treviso, Italy
Products sold in 118 countries, globally
480 offices, distributors worldwide
1400+ Employees

MotoGP Home, Building Automation Supplier (Motorised Awnings, Electronic Gates, etc.)

Selected as Expo Milano 2015 Official Partner for Access Control Management

Uses CMR Hybrid for:
Extend TP-quality collaboration to reach colleagues:

- **On-site connection to installers worldwide, from HQ**
- **To iOS and Android easy-to-use apps while mobile**



Case study: http://www.cisco.com/assets/global/IT/casestudies/pdf/came_group_case_study_expo.pdf

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CMR Hybrid – Instant Meeting

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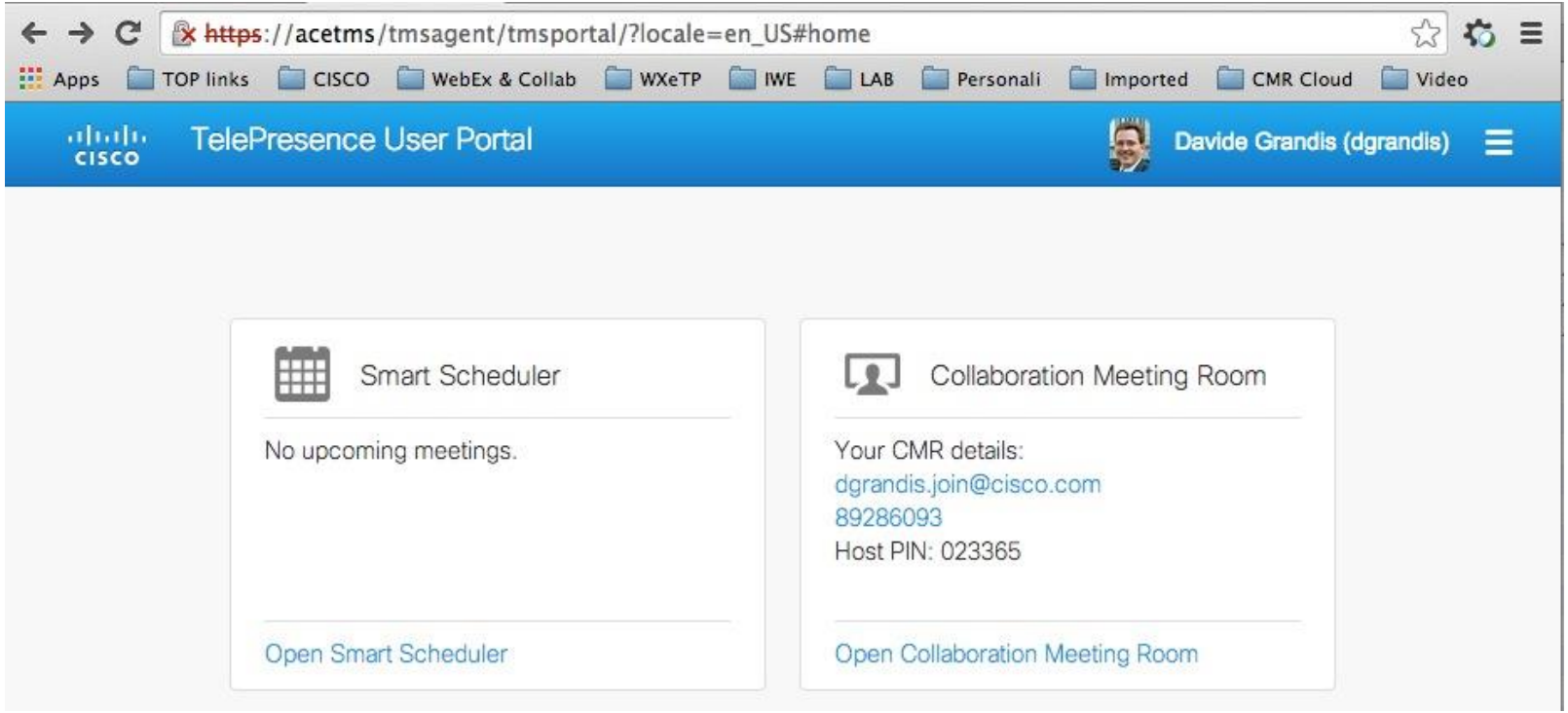
Step 1: Access the TMS



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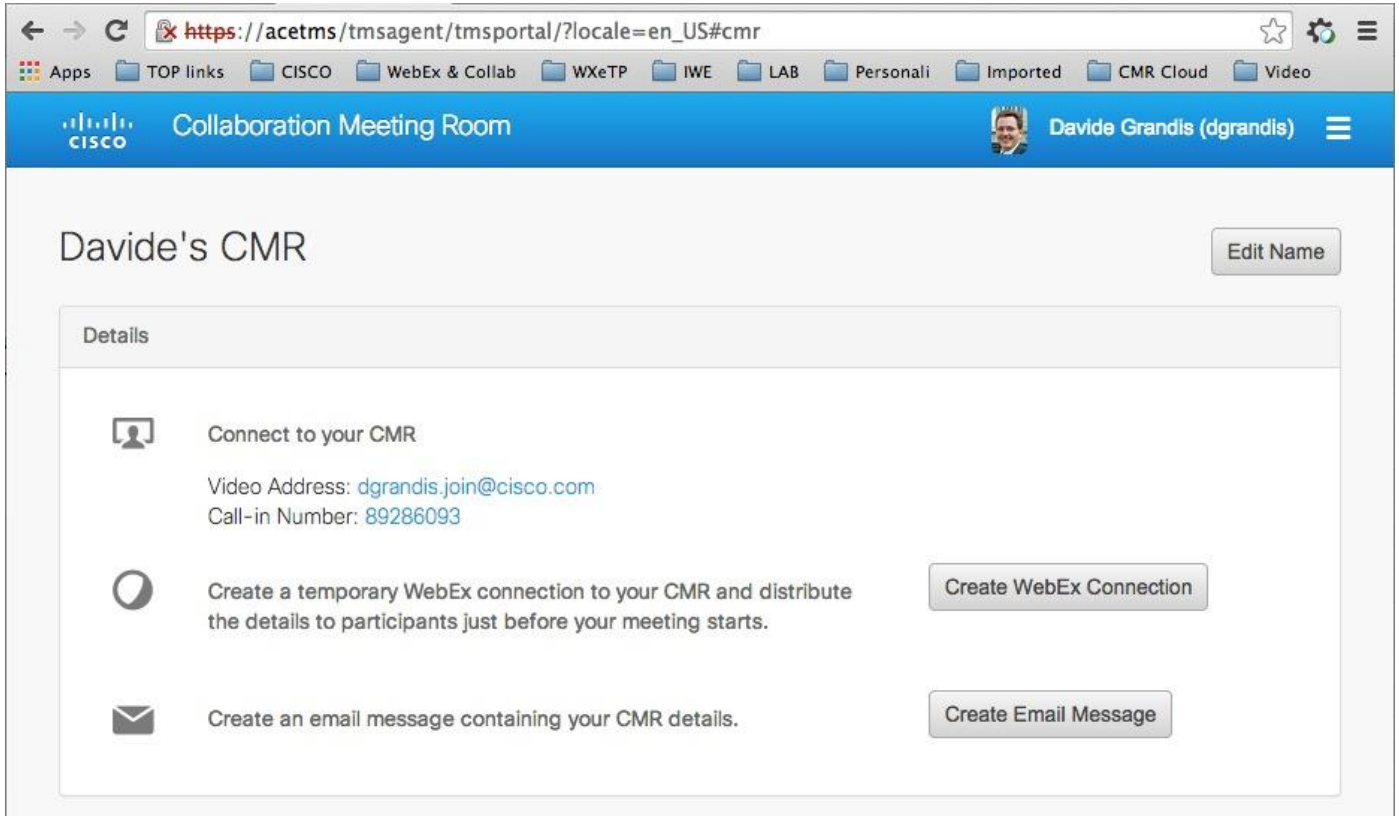
Step 2: Click on Collaboration Meeting Room



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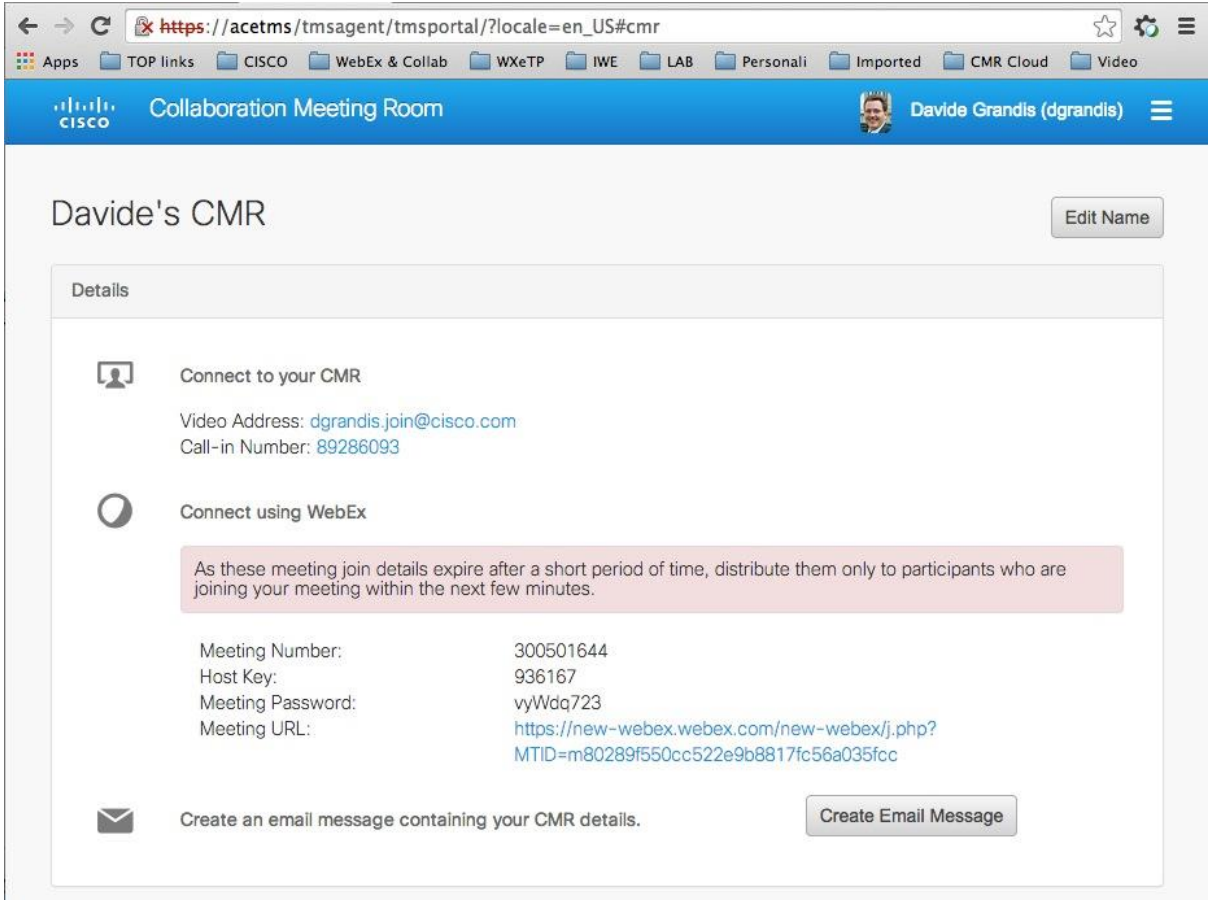
Step 3: Click on “Create WebEx Connection”



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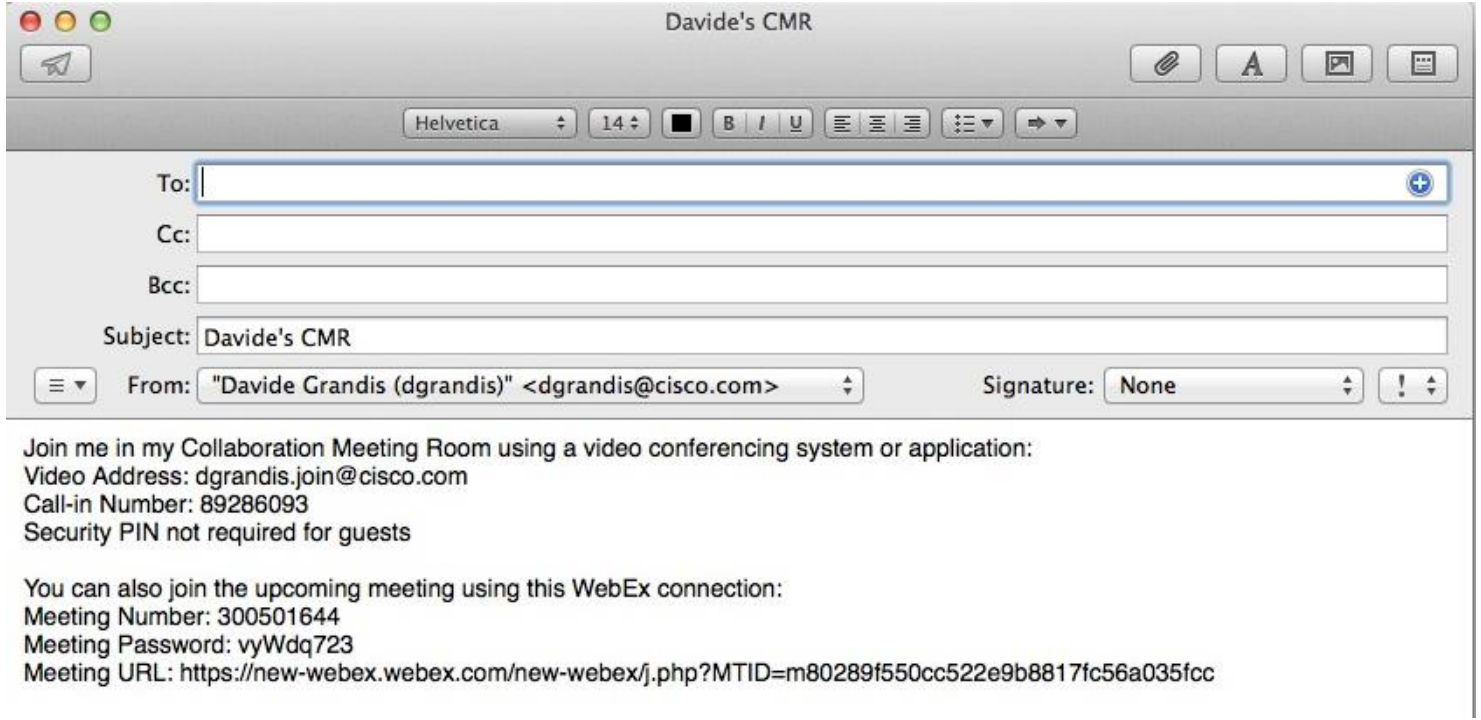
Step 4: Send Email with CMR and WebEx Details



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Personal Meeting Room for Meeting Centre (WebEx release T29.11)

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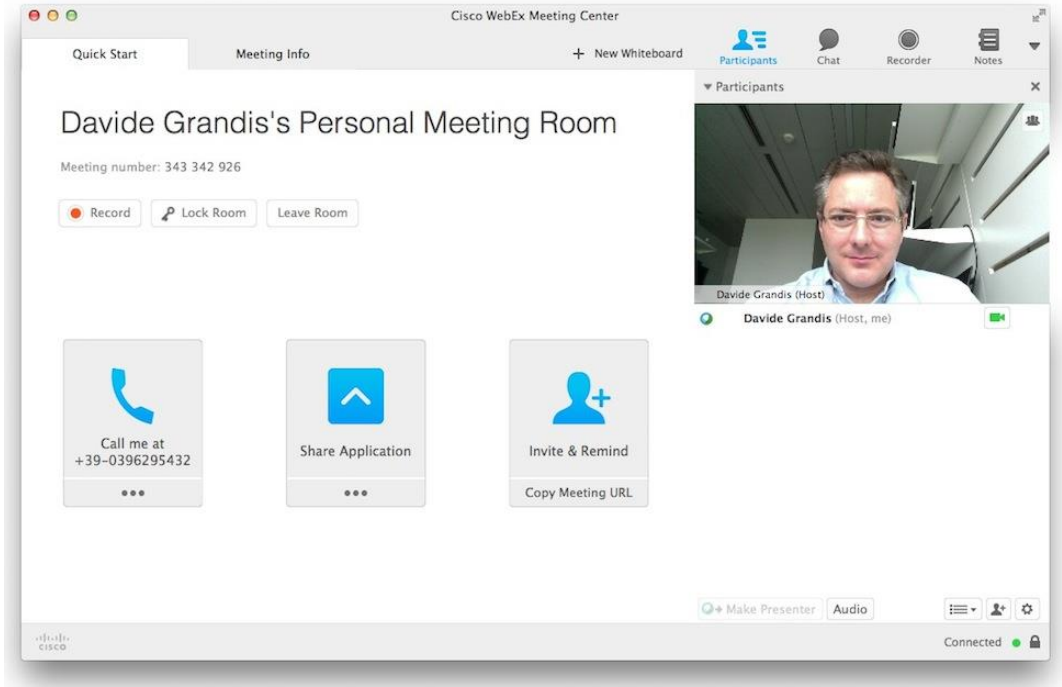
Personal Room for Meeting Centre

What is it?

- A new paradigm for a standard Meeting Centre meeting;
- Your own MC meeting with a permanent meeting link:

  cisco.webex.com/meet/jsmith
- Every MC host gets one by default for free;
- Video device information is hidden if CMR is not enabled for the user (PR is now separate from CMR).



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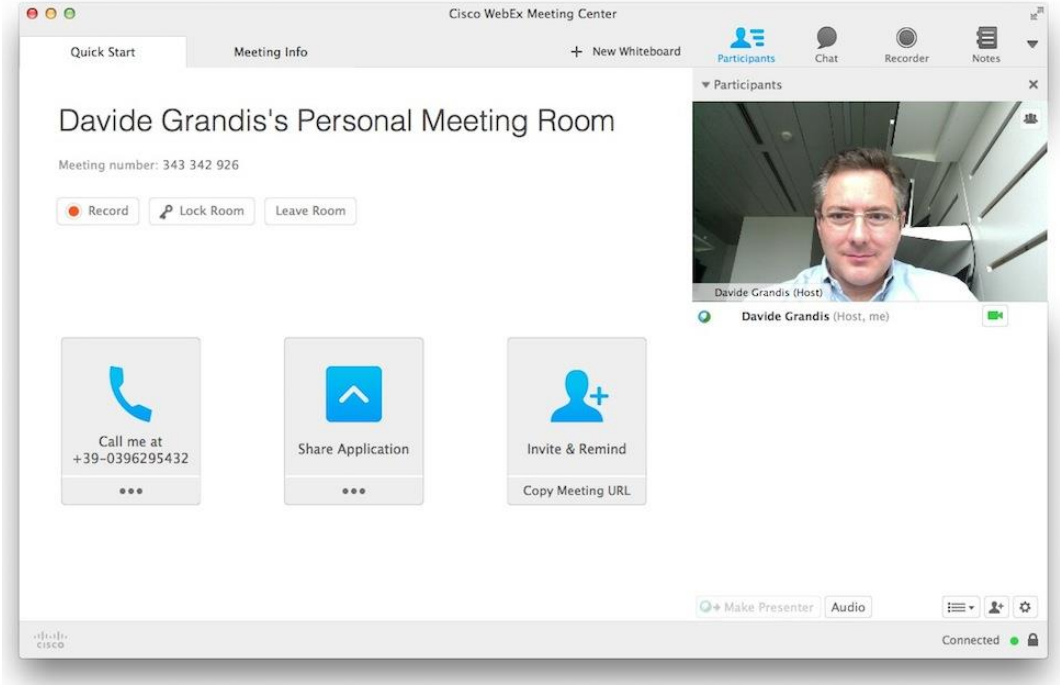
Personal Room for Meeting Centre

What is different?

- Link never changes (unless you want it to);
- Lock/unlock room much more prominent;
- Waiting attendees in the lobby can be managed.



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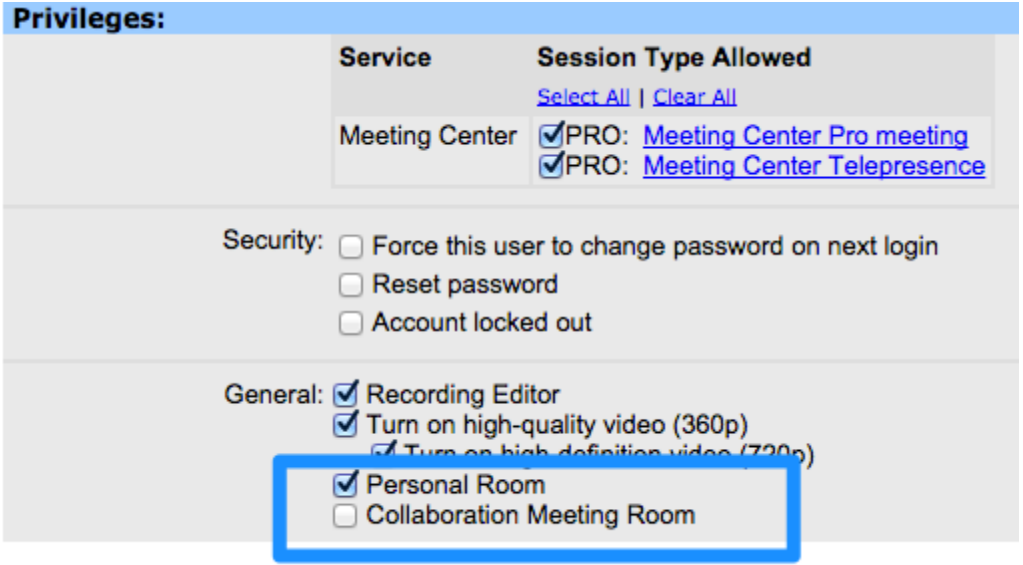
Personal Room for Meeting Centre

How it works?

- Can be enabled/disabled at site level (global) and host level;
- Replaces the old Personal Room (even if disabled).



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CMR Resources

CMR Resources

- Pervasive Conferencing on Cisco.com

http://www.cisco.com/go/cmr

- CMR Space on the Cisco Collaboration Community (for Partners)

http://communities.cisco.com/community/technology/collaboration/collaboration_applications

- CMR Cloud Enterprise Deployment Guide

http://www.cisco.com/c/dam/en/us/td/docs/telepresence/infrastructure/solutions/cmrcloud/CMRCloudEnterpriseDeployment29-8.pdf

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Important KB Articles For Supporting Lync Beta

- WBX86124 - How Do Lync Attendees Connect to a Personal Room or Scheduled Meeting in CMR Cloud?
- WBX86376 - Lync Users are Experiencing Audio Only in CMR Cloud
- WBX86808 – I Can't Call into a CMR Cloud Meeting Using Lync Online
- WBX83779 – What are the System Requirements for Collaboration Meeting Rooms (CMR) Cloud?

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