

# COLLABORATION TRANSITIONS

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Meetings:

## Transitioning from Cisco Meeting Server (CMS) to Webex

CTG Technical Marketing Engineering Team

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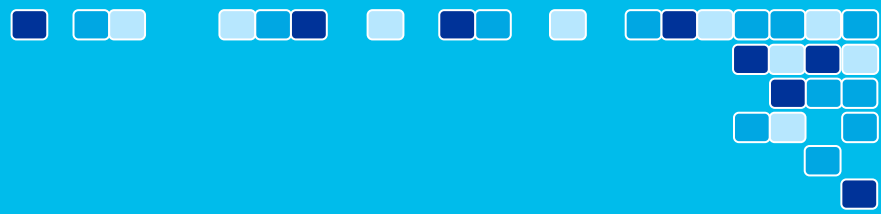
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Collaboration Transitions

# Meetings: Transitioning from Cisco Meeting Server to Webex

## Scenario Introduction

# Meetings: Transitioning from CMS to Webex

## Scenario Introduction: Decision Tree

This scenario applies specifically to customers transitioning to **Webex** cloud meetings.

Keep meetings **on-premises** if your requirements include:

- » On-premises Microsoft interop.
- » “No cloud” policy.

On-Premises



Cloud



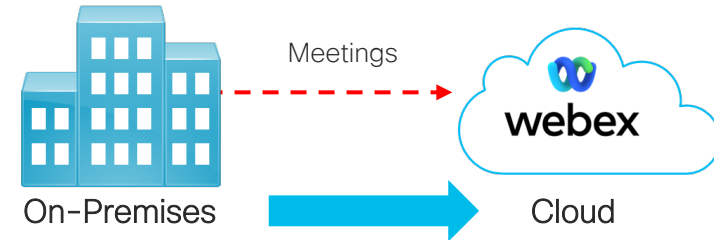
# Meetings: Transitioning from CMS to Webex

## Scenario Introduction: Overview

Meeting transitions scenario covering the transition from an on-premises to a cloud meeting environment

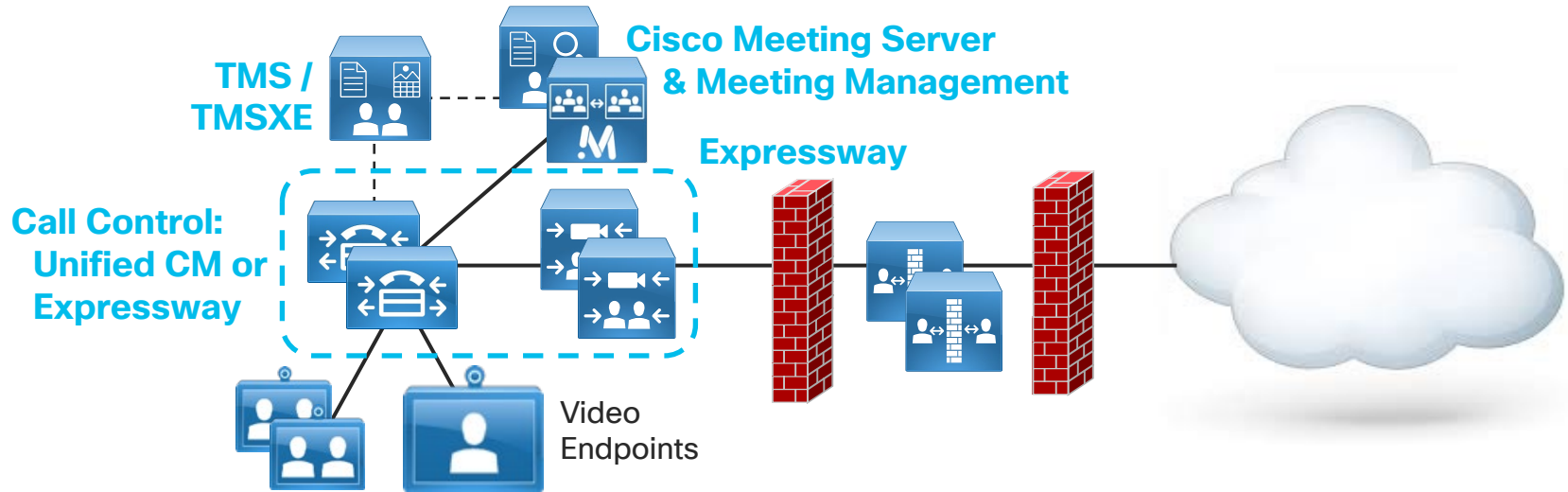
### Scenario Objective

- To evaluate the transition **FROM CMS** (traditional on-premises meeting solution) **TO Webex** and video mesh (cloud meeting solution).
- To explore the meeting solution transition with a focus on:
  - » **User experience:** Scheduling, meeting features and functions.
  - » **Administrative experience:** Provisioning, management, and troubleshooting.



# Meetings: Transitioning from CMS to Webex

## Scenario Introduction: Base Architecture



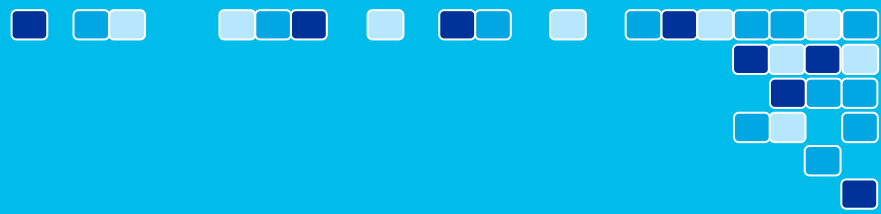
- » Architecture based on the Enterprise On-Premises Preferred Architecture
- » Video deployment with CMS, Cisco Meeting Management (CMM), and TelePresence Management Suite (TMS)
- » Video endpoints register to on-premises call control: Unified CM or Expressway (formerly VCS).
- » Expressway-C/E pairs for firewall traversal



# Meetings: Transitioning from CMS to Webex

## Scenario Introduction: Scope

- Video conferencing resources are moved from on-premises (CMS/CMM) to cloud hosted (Webex).
  - » Note that the [Webex Edge Video Mesh Node \(VMN\)](#), as a part of Cisco's cloud hosted architecture, is an on-premises component of the cloud solution and included in this scenario.
- Only [features and functions for on-premises video conferencing deployment](#) were evaluated with the Webex meeting solution.
  - » 80/20 Rule: It is expected this scenario will be applicable to ~80% of enterprise customers, understanding that ~20% of customers may have additional considerations or requirements not covered. However, even in those cases, this transition map may still be used as a potential future path of transition.
- Only [Jabber](#) (desktop and mobile), the [Webex Meetings App](#) (desktop and mobile), and [on-premises registered Cisco CE endpoints](#) were evaluated.
  - » **All** endpoints [remain registered to on-premises call control](#): Unified CM or Expressway (formerly VCS).
  - » Webex App and Webex cloud-registered endpoints are not considered for this scenario.



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# Meetings: Transitioning from Cisco Meeting Server to Webex

## Mapping the Transition

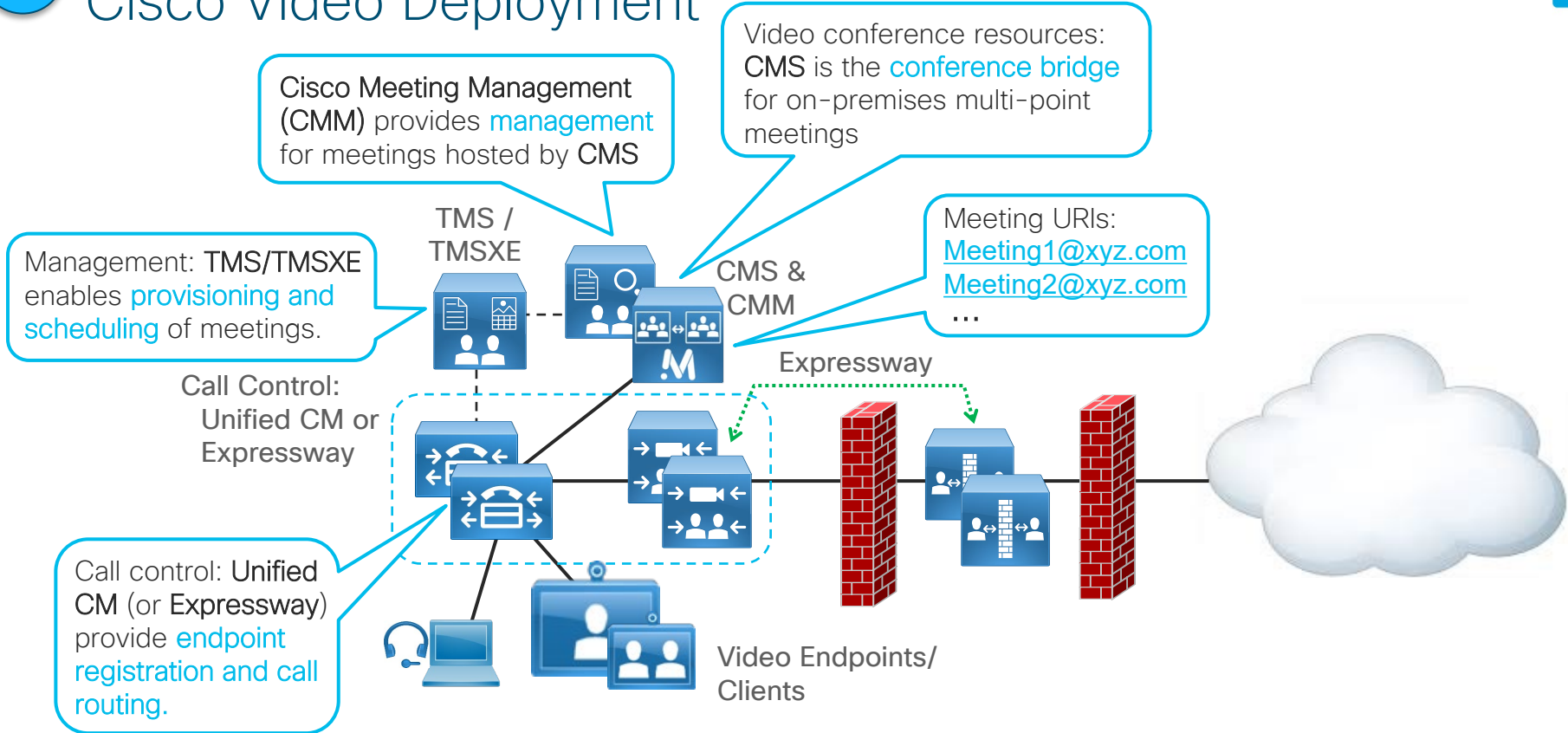




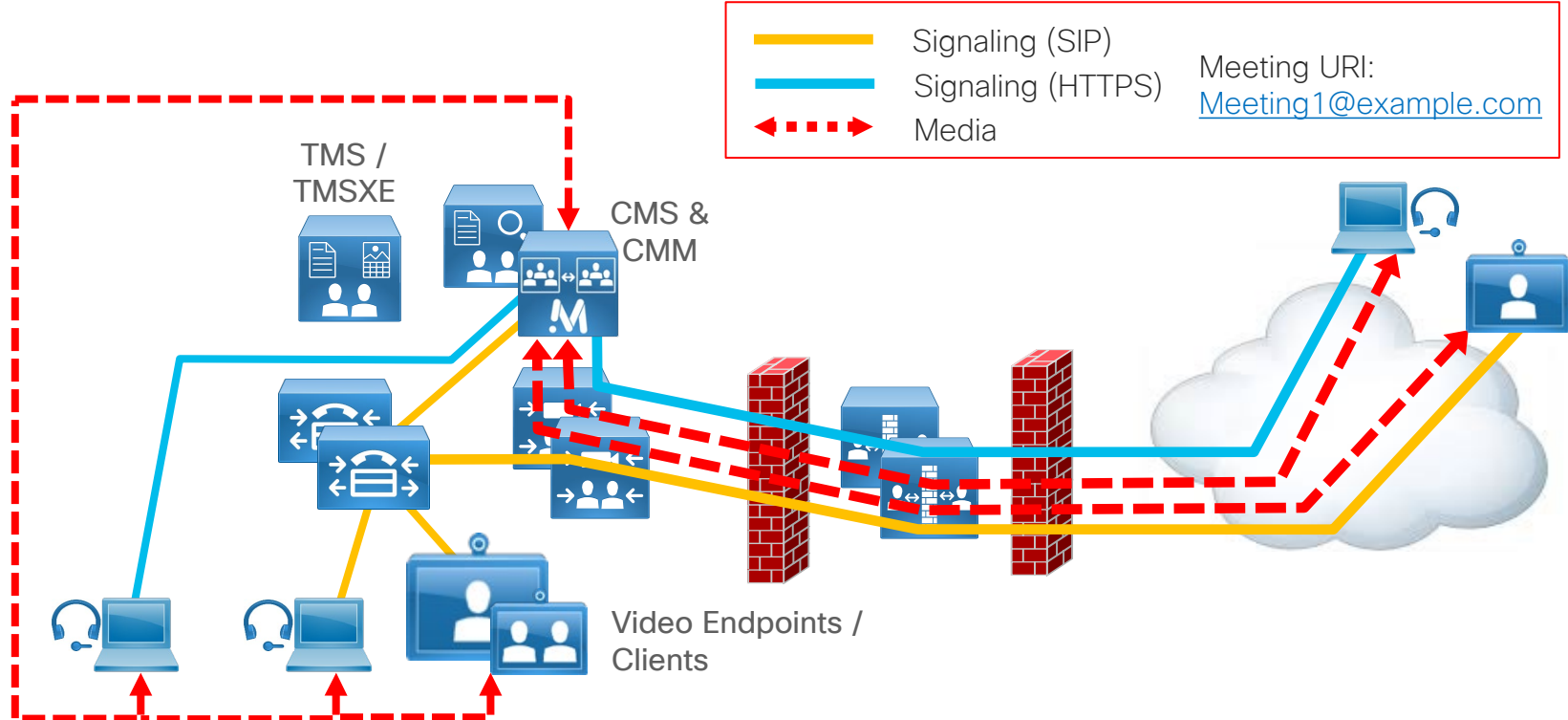


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## Meetings: Transitioning from CMS to Webex Cisco Video Deployment



# 0 Meetings: Transitioning from CMS to Webex Cisco Video Deployment Meeting Call Flow





# 1 Meetings: Transitioning from CMS to Webex

## What Changes with Webex Meetings?

- **Licensing:** Move to Flex Meetings licensing and Webex video platform.
- **Meeting URIs:** On-premises meeting URIs change to Webex domain URIs  
– e.g., [Meeting1@example.com](mailto:Meeting1@example.com) → [Meeting1@example.webex.com](mailto:Meeting1@example.webex.com)
- **Conference Resources:** Replace on-premises video conference resources Cisco Meeting Server/Meeting Management<sup>1</sup> with Webex Video Mesh for local on-premises conference resources of cloud meetings



### • Hybrid Connectors:

- » Deploy Directory Connector for on-premises to cloud directory integration.
- » Deploy Expressway-C Connector host and Calendar Connector<sup>2</sup> for corporate calendar integration with cloud calendar service.
- » Deploy Webex Device Connector for hybrid device registration enabling cloud analytics and cloud features for on-premises registered endpoints.



Expressway-C Connector  
host w./ Calendar Connector

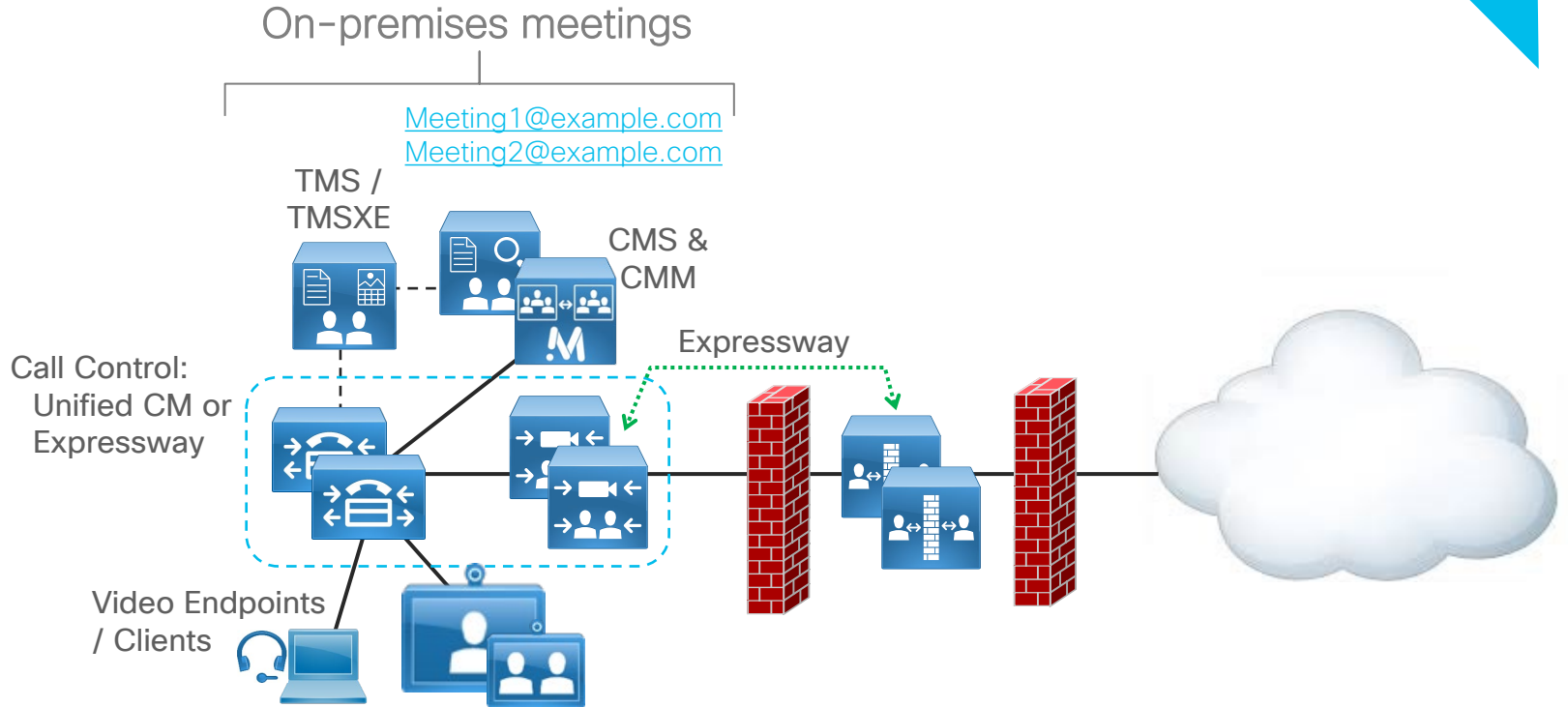


<sup>1</sup> Maintain Cisco Meeting Server/Meeting Management if ad hoc conference escalations are required.

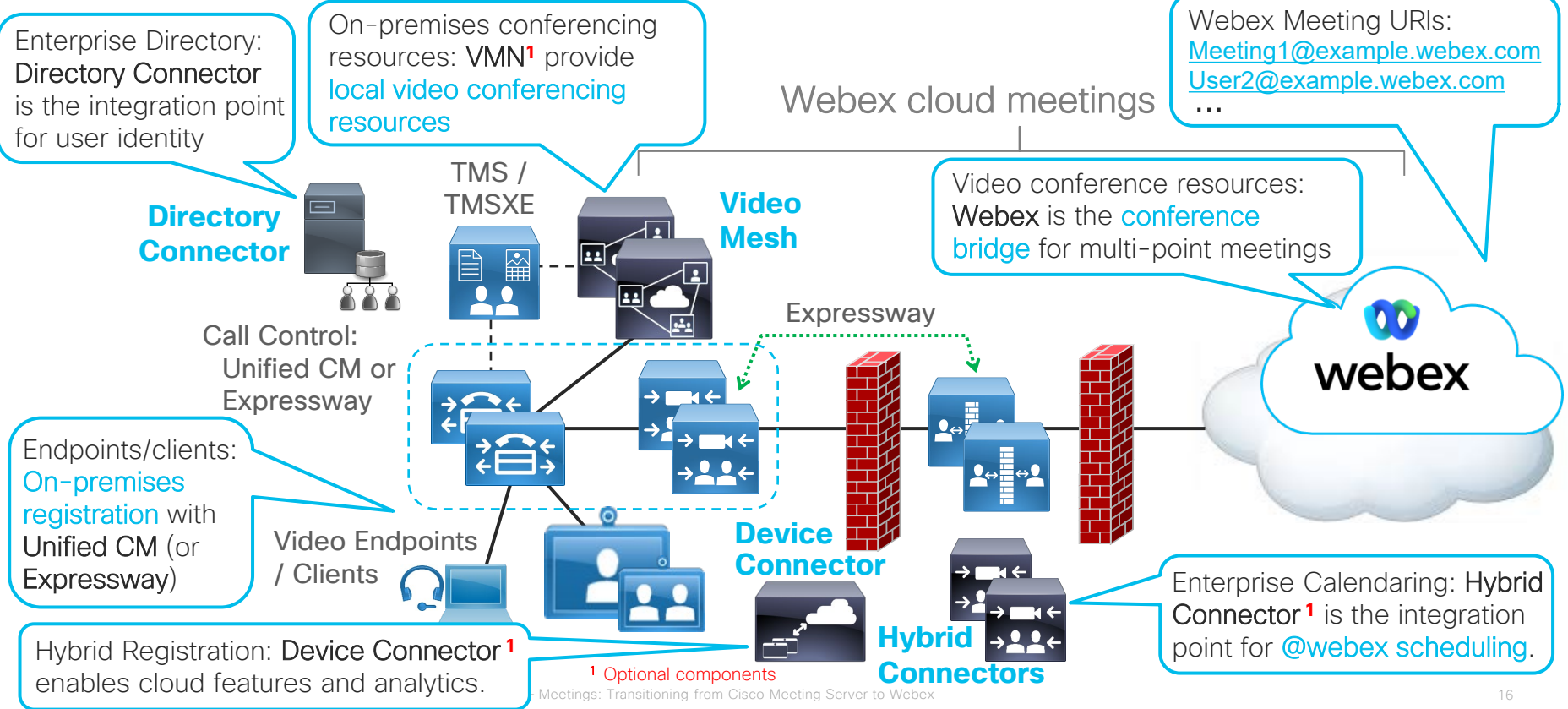
<sup>2</sup> As an alternative cloud Calendar Connector is available for cloud-based corporate calendar integrations (Google, O365)

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## Meetings: Transitioning from CMS to Webex Before – On-Premises Meetings



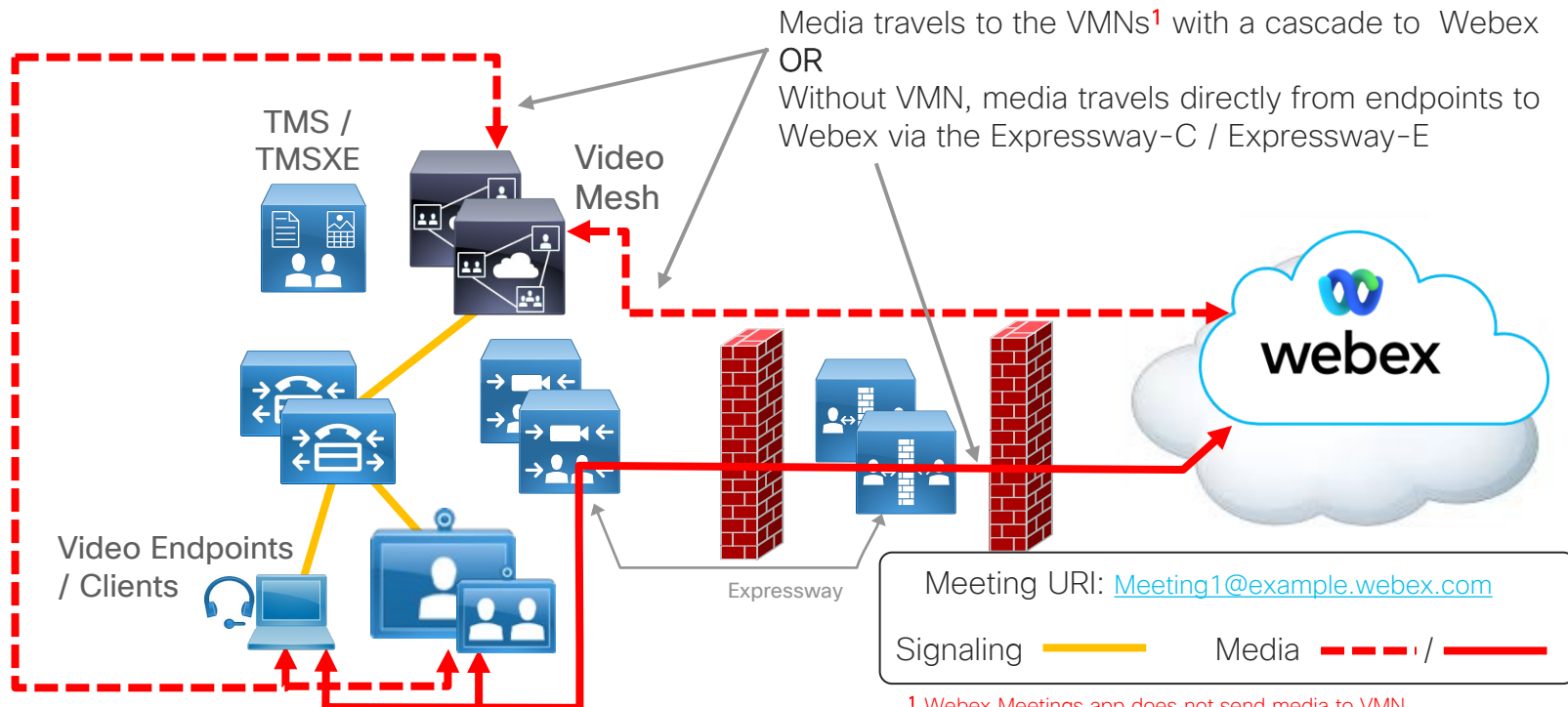
# 1 Meetings: Transitioning from CMS to Webex After – Webex Cloud Meetings





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# Meetings: Transitioning from CMS to Webex Webex Cloud Meetings Call Flow





## Meetings: Transitioning from CMS to Webex

# Webex Meetings Reduce Costs and Simplifies Support

- IT administrators struggle with deciding between building and managing a videoconferencing system or third-party management.
- Video conferencing deployments often introduce new technologies that many small and medium-sized businesses may not be familiar with (for example, H.323 and/or SIP).
- Using Webex cloud-based video conferencing saves companies time and money. Resources that would otherwise be expended to train IT teams to support new on-premises systems.
- Due to global reach, participants from anywhere can connect to meetings without costly on-premises bridging or WAN increases by using local Internet connections.
- Constant upgrades happen automatically in the cloud keeping customers up to date with the latest security fixes and features.



## Meetings: Transitioning from CMS to Webex

# Why Move to Webex Meetings?

There are many other compelling reasons for transitioning from on-premises to cloud meetings:

- **Increased scale and global reach** for meetings.
- **Ease of scheduling** with keywords (for example, @webex, using OBTP<sup>1</sup>).
- **Local optimization of media** with the Video Mesh.
- **No change** to user join behavior.
- **No change** to endpoint administration and control.



Meetings: Transitioning from CMS to Webex

## What is Different When Moving to Webex Meetings?

The following tables highlight key technical considerations to be aware of when transitioning **from** the on-premises CMS deployment **to** the Webex Meetings deployment.

The considerations have been divided into the following categories:

- » Video Mesh
- » Meetings

# Meetings: Transitioning from CMS to Webex

## Video Mesh Considerations (1 of 2)

Considerations for Video Mesh node deployment.

Category	Considerations
Video Mesh	<ul style="list-style-type: none"><li>• Video Mesh is designed to work with Meetings cloud services and needs to be in constant communication with the cloud microservices for registration status, software updates, and logging, for example. This means that the Video Mesh needs direct connection to the Internet and does not use the firewall traversal mechanism of the VCS or Expressway solution.</li><li>• Video Mesh supports Cisco call control integration via a SIP trunk (port 5060 or 5061) or via an Expressway neighbor zone (port 5060).</li><li>• If the customer used the CMS for an audio bridge, note that the Video Mesh node does not support audio-only meetings.</li><li>• Meetings supports audio-only meetings along with audio, video and content meetings. The users can reach the Meeting service for audio connections using their infrastructure and the Internet or Edge Connect with Edge Audio offering or via PSTN. Webex Edge Audio, allows the customer to route the audio traffic over the Internet using their existing Unified CM and Expressway devices versus sending the audio via their PSTN trunks to Webex. More information on Webex Edge Audio can be found in the <a href="#">datasheet</a> and in the <a href="#">configuration guide</a>.</li></ul>

# Meetings: Transitioning from CMS to Webex

## Video Mesh Considerations (2 of 2)

Considerations for Video Mesh node deployment.

Category	Considerations
Video Mesh	<ul style="list-style-type: none"><li>• Video Mesh can utilize the direct peering connection within the <a href="#">Webex Edge Connect</a> solution for cascade media.</li><li>• Ad hoc escalation for on-premises registered endpoints: If the customer presently can have a point-to-point video call escalated to a bridge when a third participant is joined by an existing participant, this capability is not available for on-premises endpoints with Video Mesh or Webex Meetings. For this process to work the CMS is registered to the Unified CM as a media resource and invoked when the third person is added. The point-to-point call is moved automatically to the bridge because the other two endpoints do not have a software bridge capability. If this is a requirement, this functionality would require keeping the existing Meeting Server until that functionality is developed in the Webex Meetings architecture or until the user behavior is changed to meet on a Personal Room.</li><li>• Ad hoc escalation for cloud registered endpoints: Webex Meeting infrastructure enables adding participants to a point-to-point call.</li></ul>

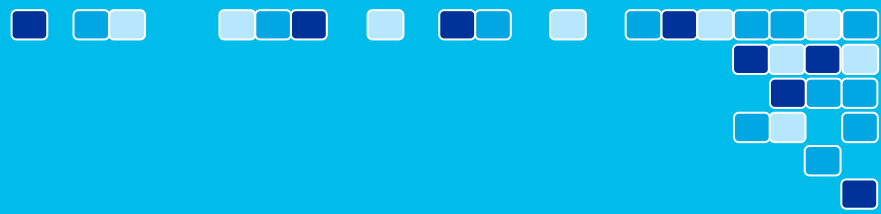


# Meetings: Transitioning from CMS to Webex

## Meeting Considerations

Considerations for meeting features and experience.

Category	Considerations
Meetings	<ul style="list-style-type: none"><li>• Meetings supports a wide range of codecs for main video and content channel, but it does not support H.263 content being sent to the meeting. This will not affect many customers, but customers that have older video endpoints and need to be able share the content channel using the H.263 codec to other participants in the meeting will be unable to do so. All modern video endpoints support H.264 codecs for both main and content channels. It is recommended to upgrade the older endpoint or not use that video endpoint in the meeting for the content source.</li><li>• Webex Meetings does support H.323 and IP dialing for endpoints that are older or prefer to dial by IP addresses. IP dialing is on by default for all endpoints.</li></ul>



Collaboration Transitions

# Meetings: Transitioning from Cisco Meeting Server to Webex

## References



# Meetings: Transitioning from CMS to Webex

## References (1 of 2)

### Licensing

- Cisco Collaboration Flex Plan  
<https://www.cisco.com/c/en/us/products/unified-communications/collaboration-flex-plan/index.html>

### Hybrid Services

- Set up Hybrid Services  
<https://collaborationhelp.cisco.com/tutorial/article/en-us/nkp3vu5>

### Webex Edge Video Mesh

- Webex Edge Video Mesh  
<https://www.cisco.com/c/en/us/solutions/collaboration/webex-hybrid-services/webex-video-mesh.html>
- Deployment Guide for Webex Video Mesh  
[https://www.cisco.com/c/en/us/td/docs/voice\\_ip\\_comm/cloudCollaboration/wbxt/videomesh/cmgt\\_b\\_webex-video-mesh-deployment-guide/cmgt\\_b\\_hybrid-media-deployment-guide\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/videomesh/cmgt_b_webex-video-mesh-deployment-guide/cmgt_b_hybrid-media-deployment-guide_chapter_01.html)

### Call Control Integration

- Cisco Unified CM Configuration Guides  
<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-installation-and-configuration-guides-list.html>
- Cisco Expressway Configuration Guides  
<https://www.cisco.com/c/en/us/support/unified-communications/expressway-series/products-installation-and-configuration-guides-list.html>

### Directory Integration

- Cisco Webex Hybrid Directory Service  
<https://www.cisco.com/c/en/us/solutions/collaboration/webex-hybrid-services/directory-service.html>
- Deployment Guide for Cisco Directory Connector  
[https://www.cisco.com/c/en/us/td/docs/voice\\_ip\\_comm/cloudCollaboration/spark/hybridservices/directoryconnector/cmgt\\_b\\_directory-connector-guide-admins/cmgt\\_b\\_directory-connector-guide-admins\\_chapter\\_01001.html](https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybridservices/directoryconnector/cmgt_b_directory-connector-guide-admins/cmgt_b_directory-connector-guide-admins_chapter_01001.html)

# Meetings: Transitioning from CMS to Webex

## References (2 of 2)

### Users

- Getting Started with Cisco Webex Control Hub  
<https://help.webex.com/en-us/nkhozs6/Get-Started-with-Cisco-Webex-Control-Hub>
- Ways to Add Users to your Control Hub Organization  
<https://help.webex.com/en-us/nj34yk2/Ways-to-Add-Users-to-your-Control-Hub-Organization>

### Cisco Meeting Server /Meeting Management / TMS

- Cisco Meeting Server Support  
<https://www.cisco.com/c/en/us/support/conferencing/meeting-server/tsd-products-support-series-home.html>
- Cisco Meeting Server Configuration Guides  
<https://www.cisco.com/c/en/us/support/conferencing/meeting-server/products-installation-and-configuration-guides-list.html>
- Cisco TelePresence Management Suite  
<https://www.cisco.com/c/en/us/support/conferencing/telepresence-management-suite-tms/products-installation-and-configuration-guides-list.html>

### @webex Scheduling (Calendar Integration)

- Deployment Guide for Cisco Calendar Connector  
[https://www.cisco.com/c/en/us/td/docs/voice\\_ip\\_comm/cloudCollaboration/spark/hybrid/services/calendar/service/cmgt\\_b\\_deploy-spark-hybrid-calendar-service/cmgt\\_b\\_deploy-spark-hybrid-calendar-service\\_preface\\_01.html](https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cloudCollaboration/spark/hybrid/services/calendar/service/cmgt_b_deploy-spark-hybrid-calendar-service/cmgt_b_deploy-spark-hybrid-calendar-service_preface_01.html)

### One Button to Push (OBTP)

- Make it Easier for Video Devices to Join Meetings w/ OBTP: <https://help.webex.com/en-us/nvibg1k/>

## Meetings Transition Deployment Guide

- Transitioning from Cisco Meeting Server to Webex Deployment Guide:  
COMING SOON



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