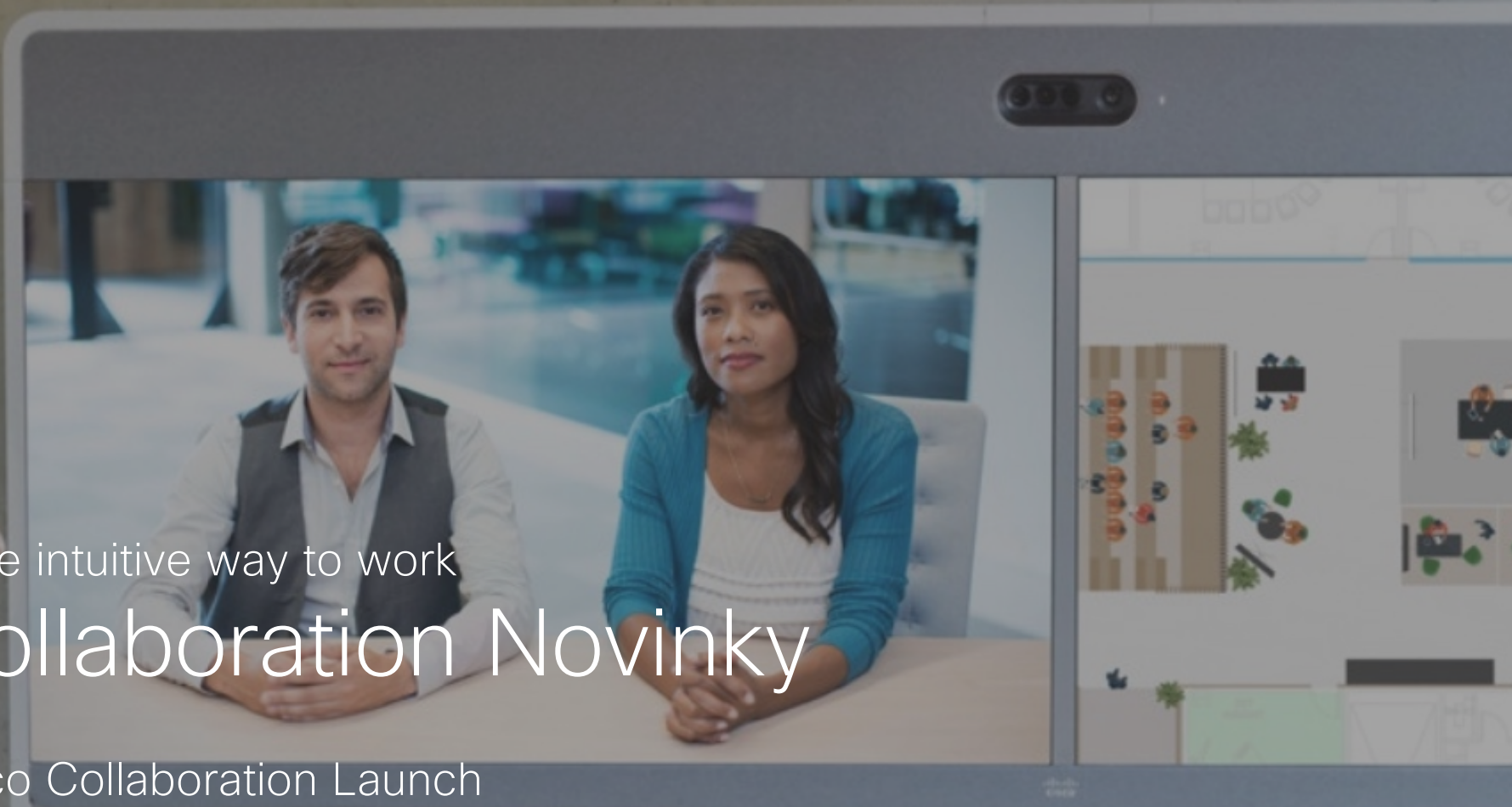More intuitive way to work

Collaboration Novinky

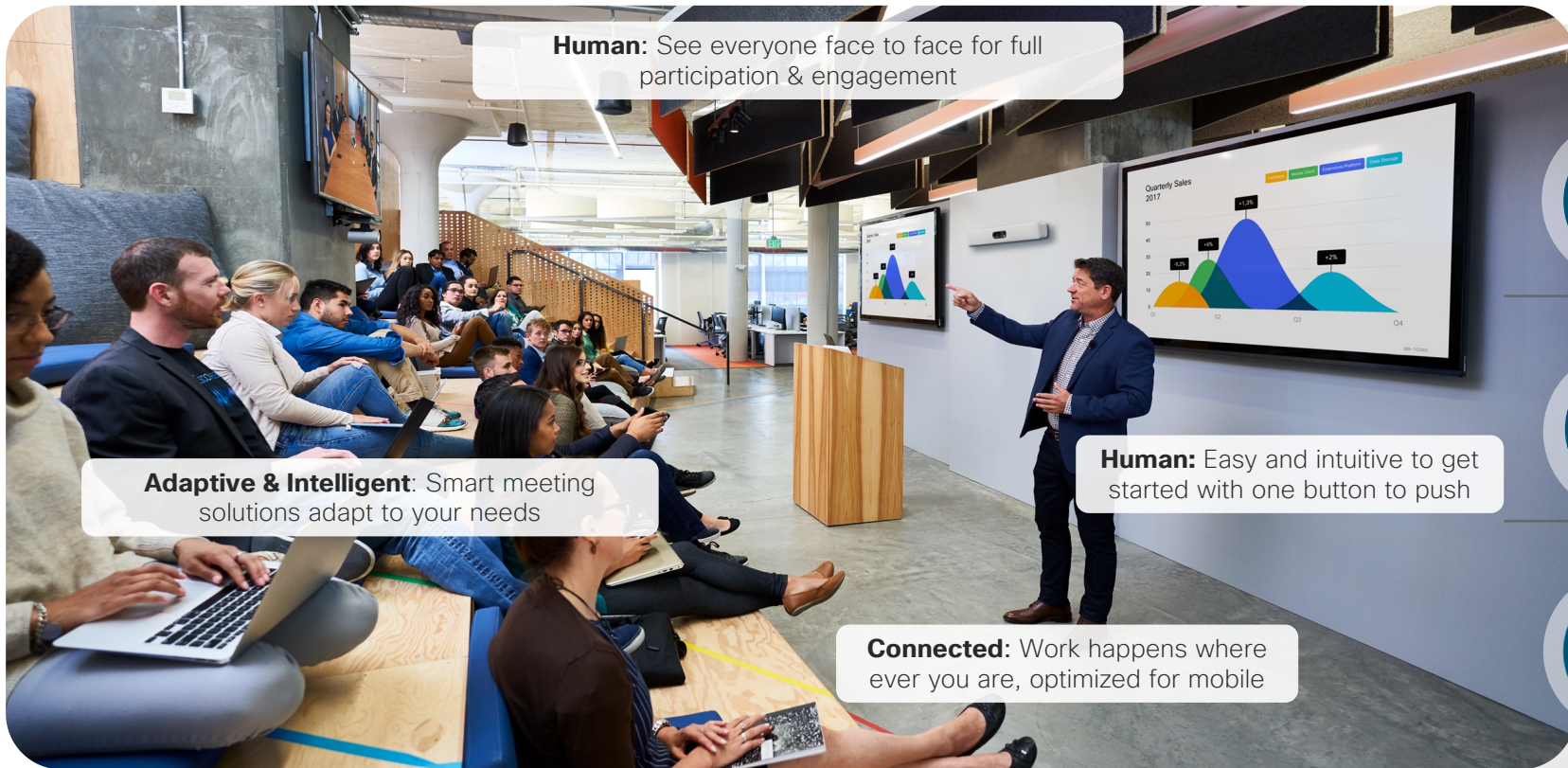Cisco Collaboration Launch
Září 2018

Agenda

- Introduction – Advanced Meetings

- On-premise Meetings – Cisco Meeting Server 2.4

- Cloud Meetings
  - Webex Edge
  - Building Bridges, not Islands

- Collaboration Devices
  - Roomkit Pro
  - Room 70 G2
  - Room 55D
  - Headsets

Evolution of Meetings in a Digital Economy
How Do You Create Experiences that Matter for Your Distributed Teams?

Work Intuitive: Better Meetings

Human: See everyone face to face for full participation & engagement

Adaptive & Intelligent: Smart meeting solutions adapt to your needs

Human: Easy and intuitive to get started with one button to push

Connected: Work happens where ever you are, optimized for mobile
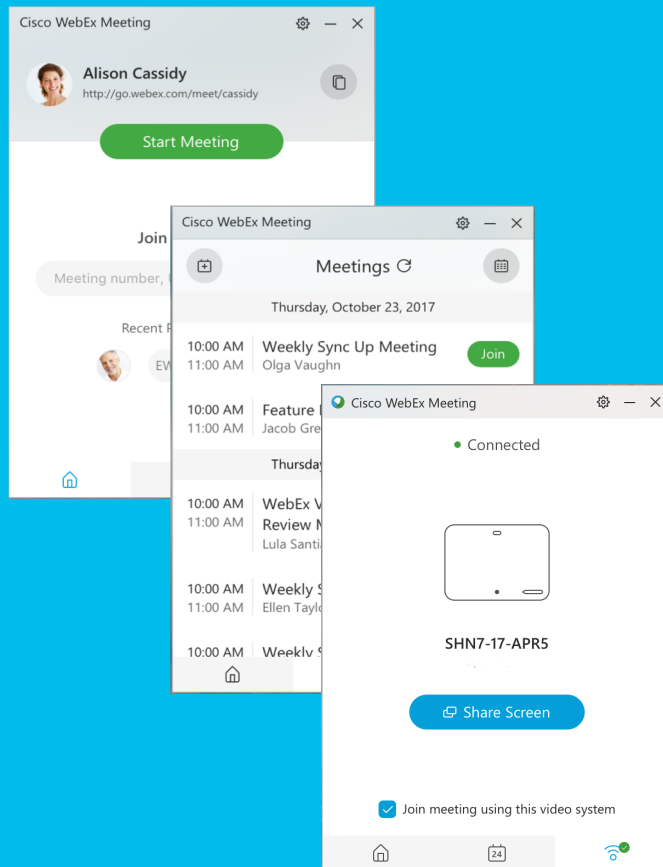
Human

Adaptive & intelligent

Connected

Delivered over a flexible platform for a path to the future of work

Better Meeting Experiences

The New Webex Meetings Experience

45% adoption of the latest release

Universal Way to Join

Join

Same experience for any Cisco meeting deployment on-prem or cloud based

Intuitive experiences make the evolution to the cloud seamless

Universal Way to Meet

@Meet

Simplify scheduling with @Meet

Same experience for any Cisco meeting deployment on-prem or cloud based

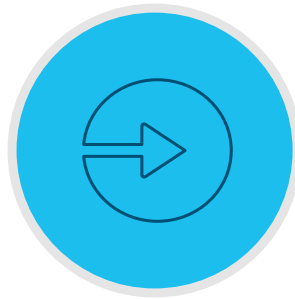# On-premise Meetings

Meeting Server 2.4

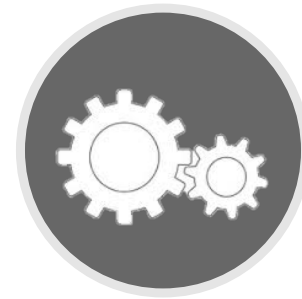# Cisco Meeting Server priorities

Experience

- Align scheduling, joining, and in-meeting experiences
- Filling gaps from legacy products experience

Simplification

- Simplify manageability
- Enable self-service Simplify architecture

Interoperability

- APIs / Solution plus
- Microsoft/ Google Interoperability
- Browser support

Cisco Meeting Server
What's new! Details

CMS with "@Meet" Scheduling
Phase 1: O365 Exchange and Google Calendar

- Common scheduling paradigm between CMS and Cloud meetings

- Optional add-in button for additional simplicity (populates the "@meet" info for the user)

- Join info updated in the invitation sent to all participants

- Support for O365 Exchange and Google Calendar (Premises based Exchange future)

Subject to change
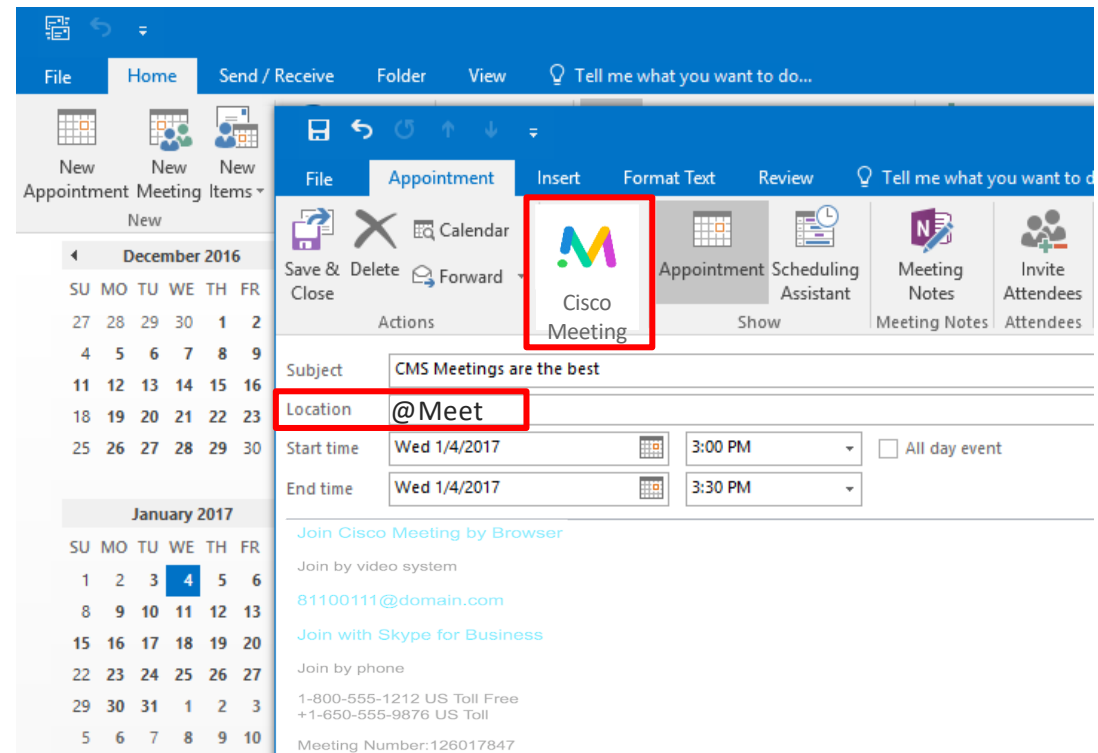
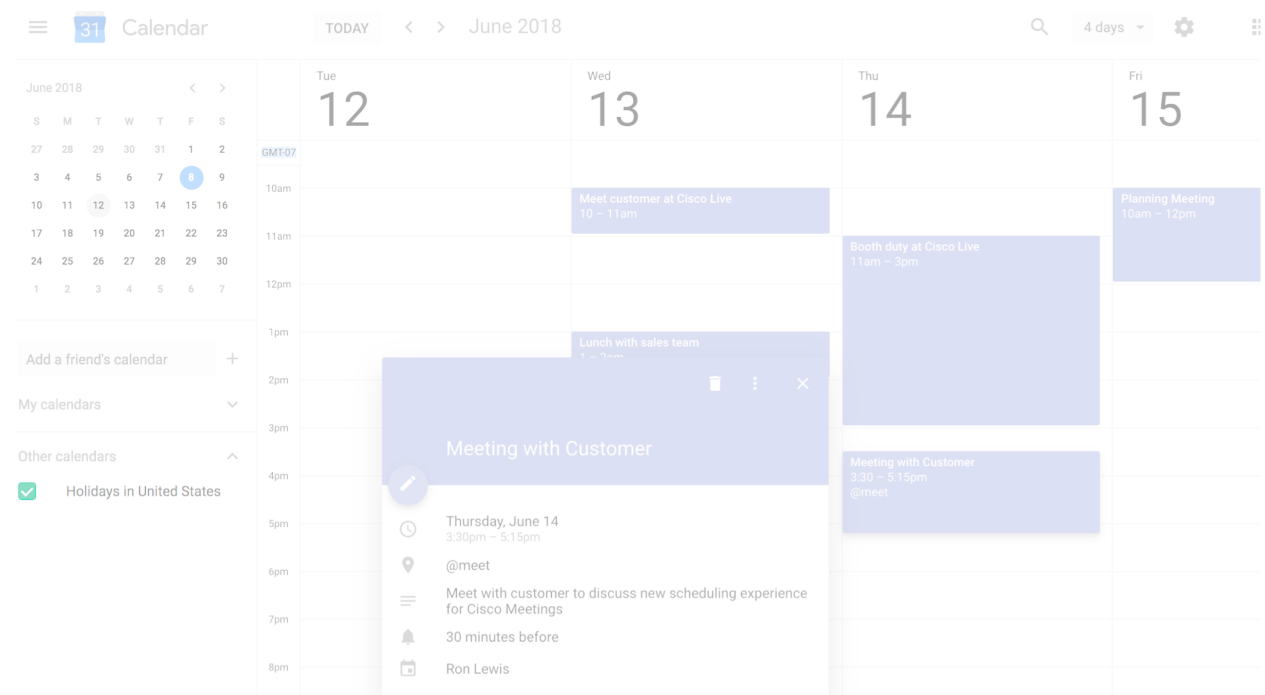# CMS with "@Meet" Scheduling
Google Calendar example

- Join info updated in original invite

- Any calendar client with Google Calendar

- OBTP on-prem & cloud registered

- Click to join (WebRTC, Skype for Business, Jabber)

- Dial in phone numbers list

- Per org config for @Meet:
  - CMS/ TMS Scheduled Meeting
  - Webex scheduled meeting
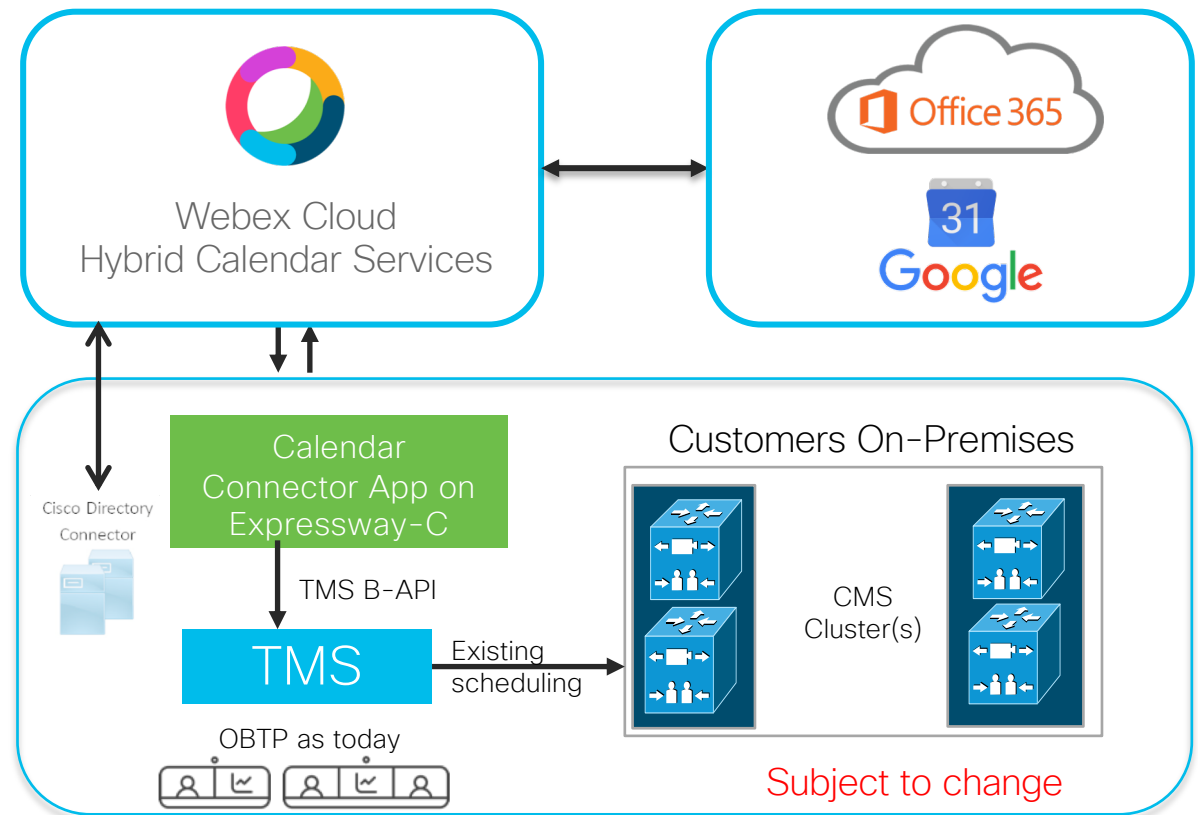
- Enables future migration to cloud

Subject to change

CMS with "@Meet" Scheduling
Phase 1: O365 Exchange and Google Calendar

Experience

- Requires TMS15.7 and Expressway-C with Webex Calendar Connector

- Room systems get big green join button

- Conference service type "TMS" for CMS scheduled meetings

- Users are imported to Common Identity and have calendar service enabled

- Coexists with existing TMS scheduling

Webex Cloud
Hybrid Calendar Services

Office 365

31
Google

Cisco Directory Connector

Customers On-Premises

Calendar Connector App on Expressway-C

TMS B-API

TMS

Existing scheduling

CMS Cluster(s)

OBTP as today

Subject to change
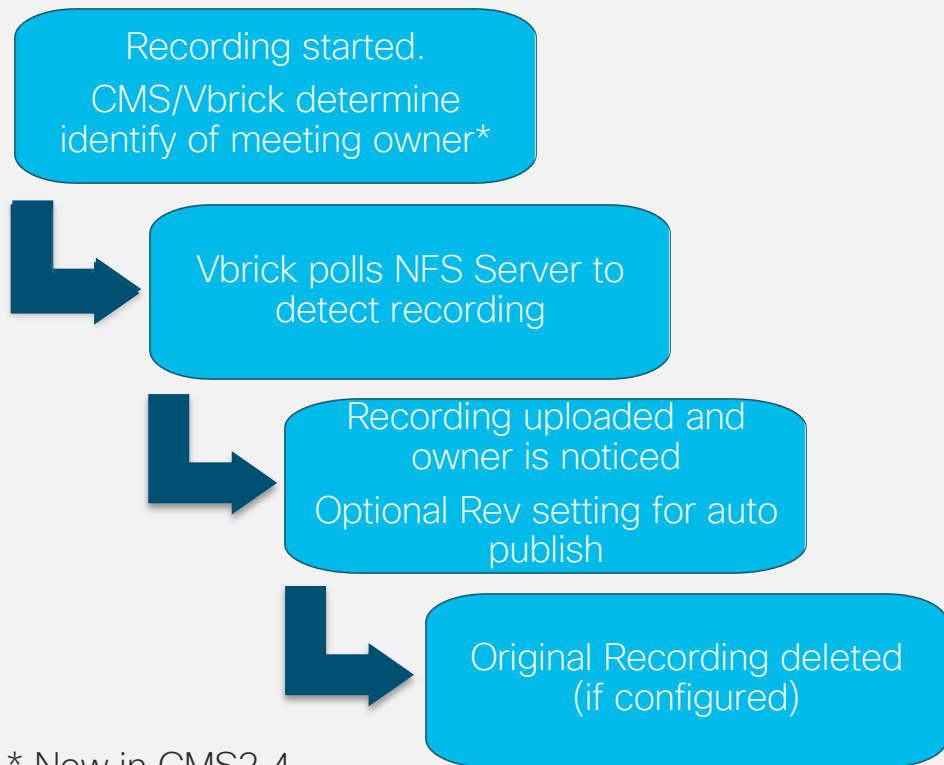
CMS with "@Meet" Scheduling
Licensing requirements

- TMS core with appropriate device licenses (no changes)
  - TMS licensed per endpoint for management and/or scheduling
  - Base TMS Starter kit includes first 25 endpoints with MSFT + 10 servers (CMS, CUCM, VCS)
  - Flex or ELA includes base licensing and MSFT TMS-XE licensing
  - CCA does not require a device license

- Options for @meet scheduling with Expressway & Webex Calendar Connector
  - Leverage existing TMS-XE licensing per endpoint
    - A la carte (25 quantity) or "Appint" (server license)
  - New customers should purchase B-API (or TMS-XE MSFT) licensing
  - PoC customer using both TMS-XE software and @meet needs two B-API licenses (or temp trial)

- Customer needs Webex Org/CI with at least 1 admin (M1) account for configuration via Control Hub. Webex per organizer licensing is not required for on-prem only meetings

CMS Recording
Improved Vbrick uploader

Recording started.
CMS/Vbrick determine identify of meeting owner*

Vbrick polls NFS Server to detect recording

Recording uploaded and owner is noticed
Optional Rev setting for auto publish

Original Recording deleted (if configured)

* New in CMS2.4

Subject to change

CISCO

vbrick

Enterprise Content

Easily record and live stream from video endpoints

Extend the reach of video to 10,000's of viewers

Audience interaction with real time chat, polling, and Q/A

Single Repository for all video Content

CMS Recording
## Additional enhancements

- Experience: 1080p recording capability
  - Configure the recording resolution of the Recorder:
  - Audio only or 720p (default) or 1080p

- Simplify:
  - Understand via API if "Lync client is recording a call".
    - endpointRecording = true in GET on /calls/<call id> means Skype client is recording the conference
  - CDR Record callEnd has a new parameter:
    - endpointRecorded (means Lync client recorded the meeting)

1080p FULLHD

REC ⬤

Subject to change

CMA WebRTC – Expanded browser coverage

- Existing CMS 2.3 WebRTC

  - Chrome for PC, Mac, and Android

- New with CMS 2.4

  - Firefox for PC or Mac

  - Safari on Mac*

- Enhanced Chrome on Android for small screen

- Experience compliments new Jabber 12.5 experience with Guest Join

Subject to change

* Safari WebRTC does not support content sharing today
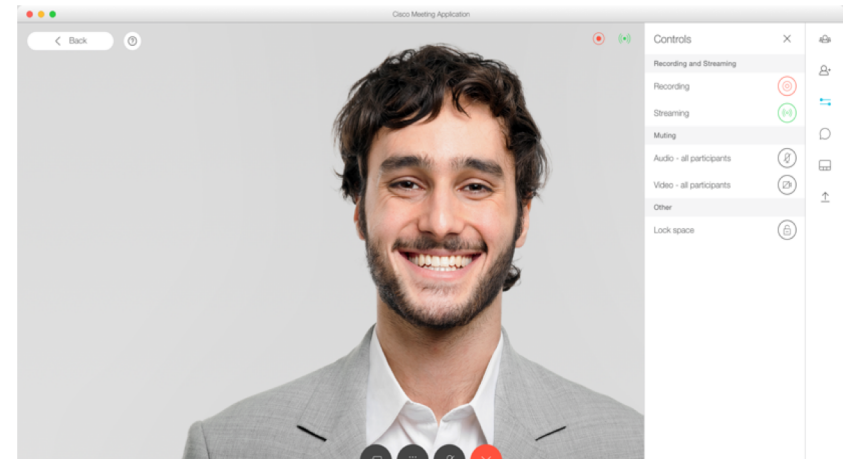
Cisco Meeting Management
CMM1.1: TMS scheduled meeting support

- Monitor TMS scheduled conferences

- Improved meetings filters

- Cross launch to TMS meeting page

- No TMS Booking API license needed

Subject to change

Cisco Meeting Management
CMM1.1: TMS scheduled meeting support

- List of upcoming TMS meetings (24 hours)

- Show scheduled start/end time

Recording	Streaming	Add participants			Modify Meeting

			Event logs	End meeting

	Join time ▼	Leave time	Actions
···	3:40AM		
···	11:10AM		✗
···	5:19PM		

🔍	Active now (3)	Ended in last 30 minutes (0)					
	Meeting title	Owner	Current activity	Participants	Start time ▼	Duration	End time
	Distributed meeting			5	5.00PM	00:15:05	5.30PM
	Demo meeting			4	4.00PM	01:15:05	5.30PM
	Another meeting			4	5.00PM	00:15:05	6.00PM

Subject to change

Cisco Meeting Management
CMM1.1: Large meeting support

- Simplify operator support for large meetings

- Select Mute all, or Mute all on entry

‹ **Demo meeting**

Active meeting	Owner	Start time	Duration
		5:19PM	61d 23:23:18

Layout	Recording	Streaming	Add participant	Mute on entry	Mute all

🔍 **All (4)** Connected (4) Disconnected (0)   Eve

Participant	Join time ▾	Leave time
✓ 10.47.59.233 ⋯	3:40AM	
✓ 10.47.59.233 ⋯	11:10AM	
✓ Nina Volstad ⋯	5:19PM	

Subject to change

Cisco Meeting Management
CMM1.1: Improved operator controls

- Speaking/noise indication
- New filters to easily find speakers

Activity | Important | Speaking | Status | Connected | Disc

Showing 2 of 2 available participants

		1 ▲	Participant name
☐	⊗	✓	((Sandra Ty
☐	⊗	✓	((Sally Wood@10.209.81.72

Experience

Subject to change

Experience

Cisco Meeting Management
CMM1.1: Improved operator controls

- Make participant(s) important controls
- Places important speaker(s) in prominent pane of layout

Activity	Important	Speaking	Status	Connected	Disconnected

Showing 2 of 2 available participants

			Participant name		Join time	Leave time	Actions	
		✓	Tom Johnson@10.209.81.72	...	05/24/2018 1...		★	×
		✓	Ben Watson@10.209.81.72	...	05/24/2018 1...		★	×

Subject to change

Architecture Update

Microsoft Interop

- Expressway required for O365/B2B
- Expressway between CMS and SfB Front End servers, X8.11.1 required

CMA WebRTC

- Improved support with 443 over TCP

CMA thick app*

- Requires CMS Edge*

CMS H.323 Gateway

- End of software maintenance support, use Expressway for H.323 mediation

S4B: on-premises (optional)

CUCM

Expressway-C Expressway-E

CMS Edge*

CMS Cluster

Internet

B2B-Video

Jabber

CMA WebRTC

CMA App*

O365
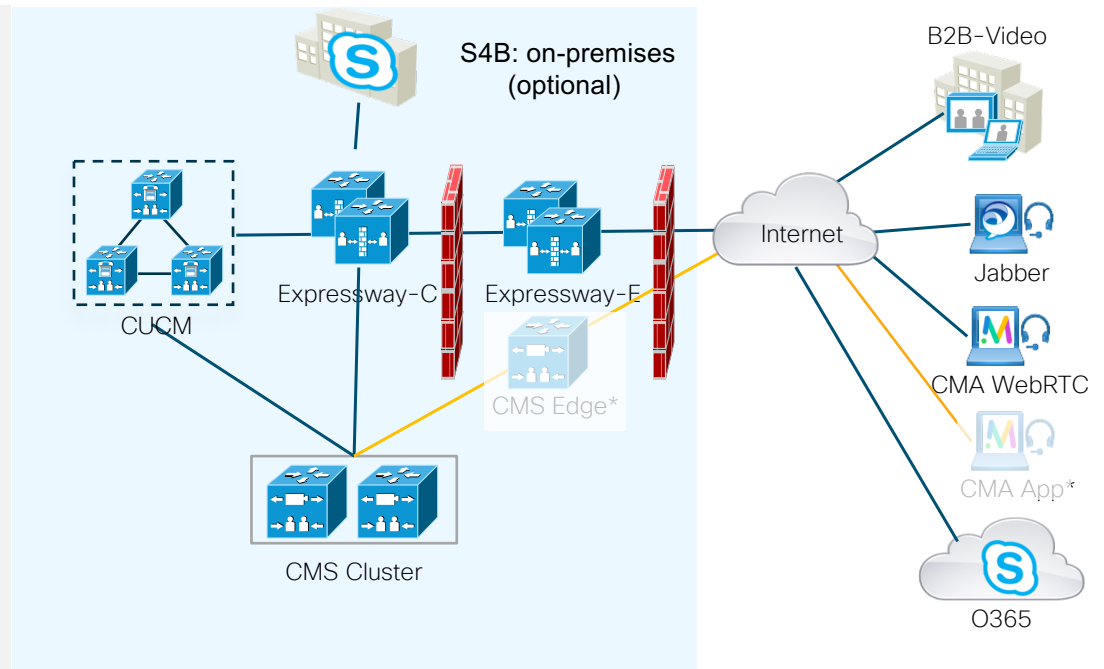
* Jabber is the recommended thick client

Subject to change

CMS Call Bridge Groups for Expressway deployments
Scaling Expressway Deployments

- CMS 2.4 with Expressway 8.11

- Call Bridge group support for Expressway registered SIP endpoints

- Increase platform scale for traditional video customers leveraging Expressway

  - Reduces distribution links between call bridges

Without Call Bridge groups

CB group

With Call Bridge groups

Subject to change
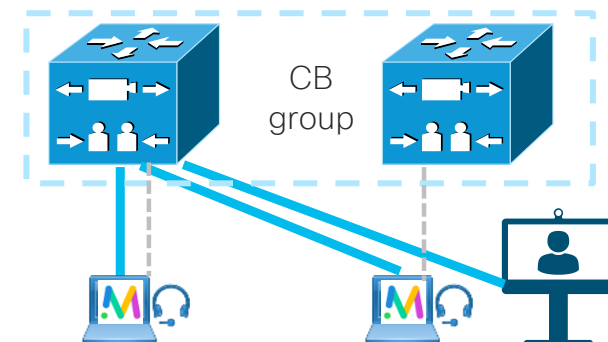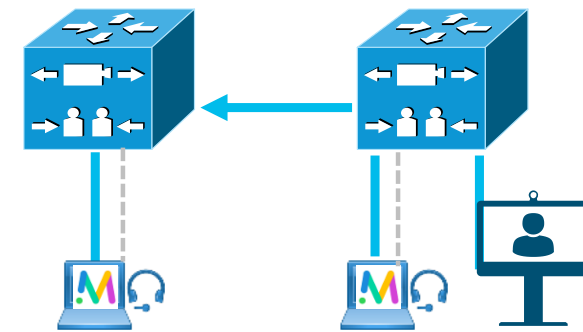
Cisco Meeting Server Interoperability
CMS 2.4 Enhanced meeting controls in Dual Home Conferences

- Microsoft clients can mute and un-mute SIP endpoints

- Microsoft clients can mute all and un-mute all (including SIP endpoints)

- SIP endpoints will display an onscreen message that they have been muted / unmuted

- SIP endpoints will display a recording indicator when Microsoft clients start a recording

Better Meetings from the Cloud

Empowering Customer Evolution to Cloud Journey

Cloud First, Not Cloud Only

Cisco Webex

Consistent meeting experience

Optimized network edge
New smart meeting devices

Expanded meeting experiences

Enhanced meeting experiences
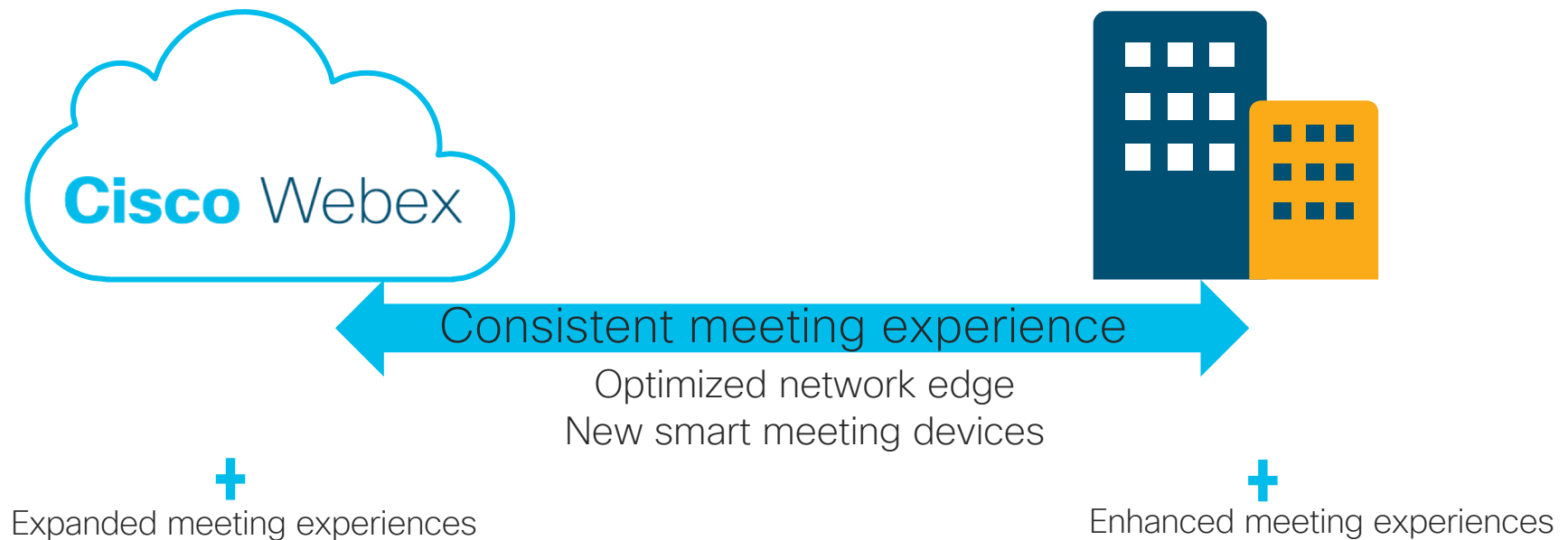
The Cloud Meeting Landscape Today

37%
Time spent in meetings

$$$$
PSTN & dedicated Internet bandwidth are expensive

50%
enterprise voice traffic ends up on a conference bridge

10+years
IT transforming networks for VOIP & Video efficiency

—— PSTN

- - - - Public Internet

Wainhouse State of UC report 2018
Forrester Research 2018

The Cloud Meeting Landscape Today...Yet

2/3

Users still use
PSTN to dial
into meetings

3 out of 5

Users still believe cloud
video doesn't deliver
reliable experiences

—————— PSTN

- - - - - - Public Internet
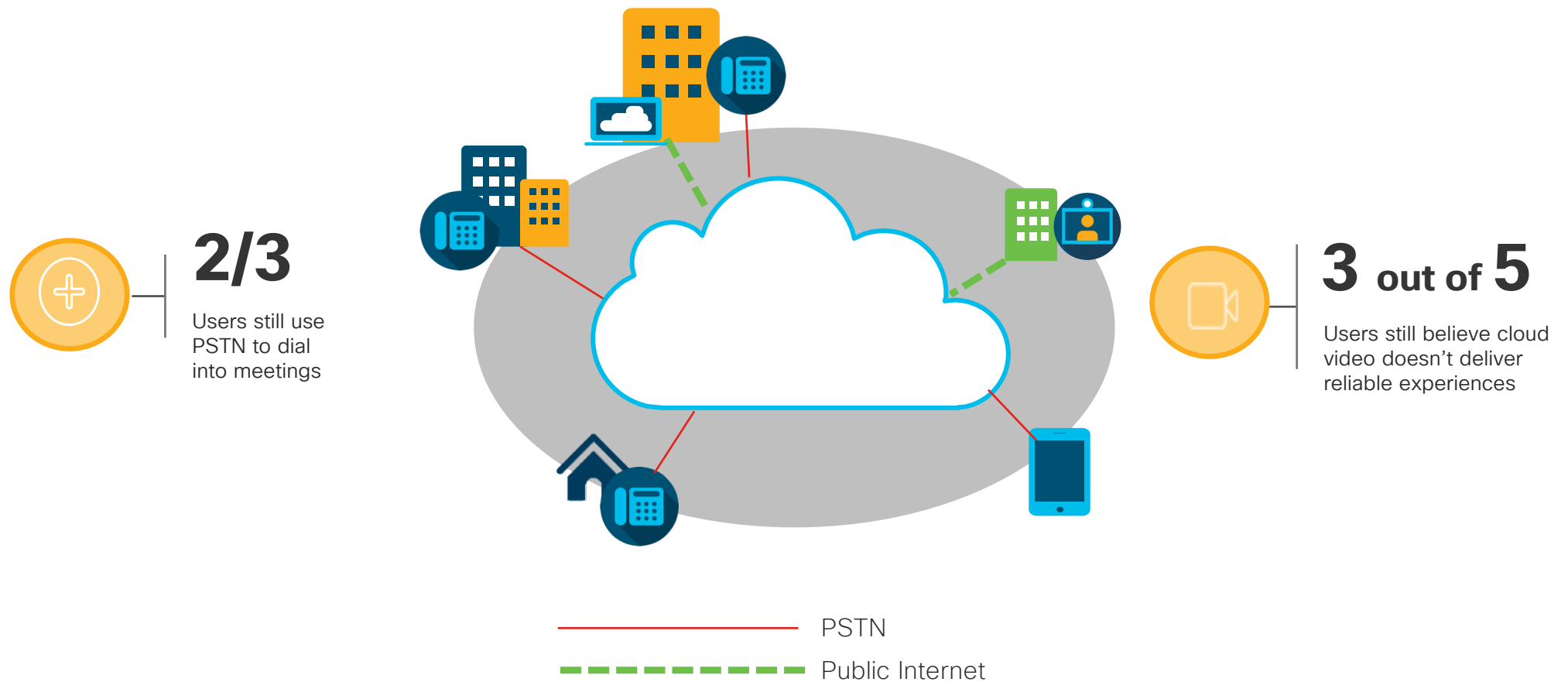
Cisco Webex Global Backbone

The Only Cloud Service Built and Optimized for Real-time Media

Purpose built for real-time, intelligent, globally distributed meetings

End-to-end controlled and monitored by Cisco

Up to 20G links and customized hardware for security and edge traversal

End-to-end Cisco network & security capabilities

Attendees join via the closest data center
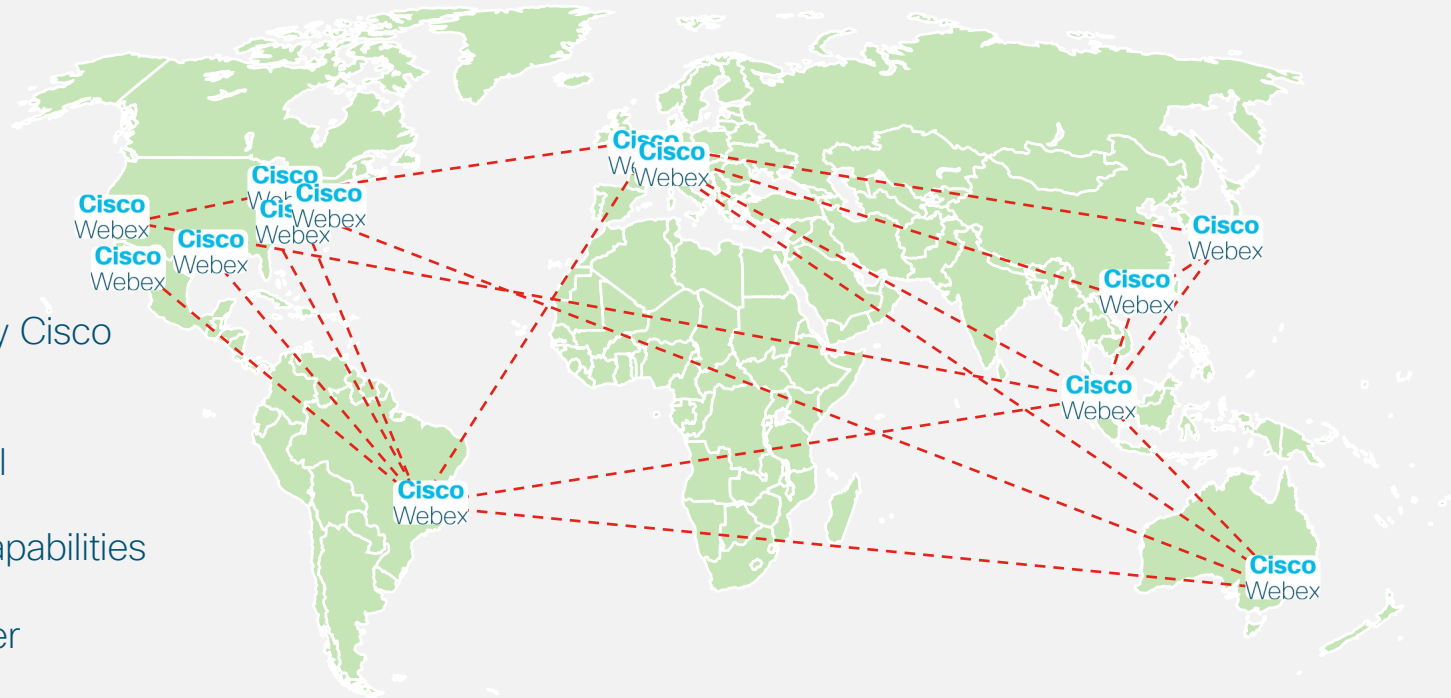
Cisco Webex Edge Service

Reshaping the edge to maximize the power of the Webex cloud for **audio, video and content**

Webex Edge service

Cisco Webex

Purpose-built for collaboration and real-time media

Customer Premises

Leverage existing investments

| Enhanced, Consistent Quality | Cost Savings | No Change in User Behavior |

Webex Edge Video Mesh
On-premises Video Quality and Bandwidth Savings
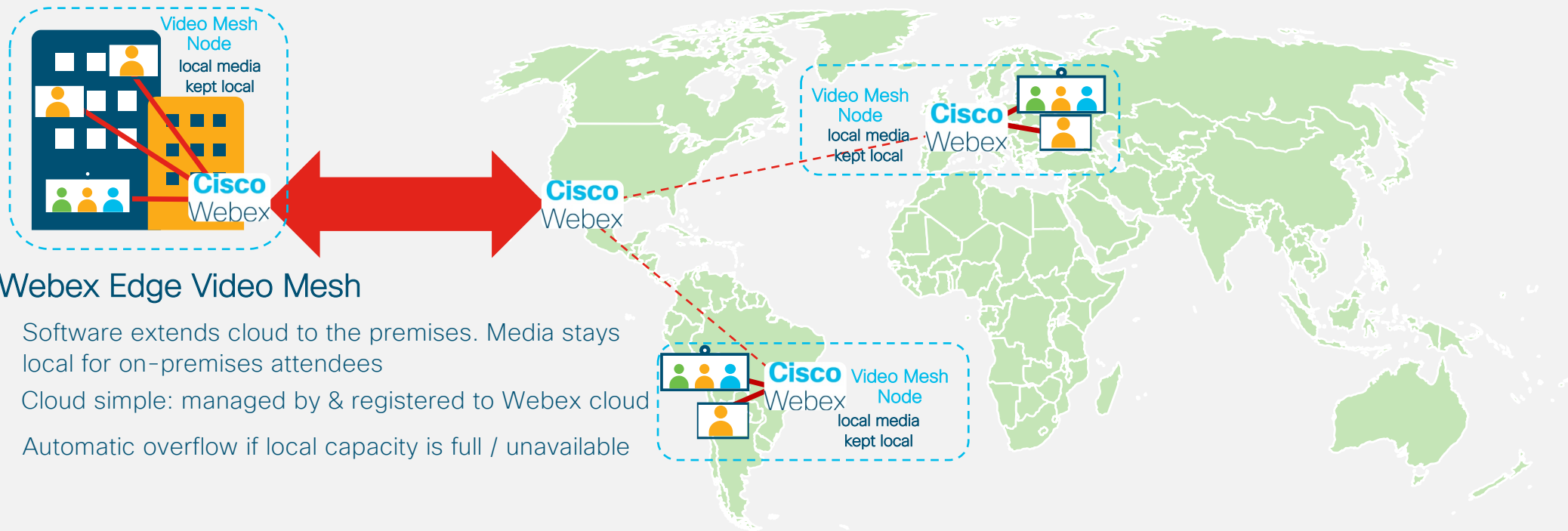
Available Now

Webex Edge Video Mesh

- Software extends cloud to the premises. Media stays local for on-premises attendees
- Cloud simple: managed by & registered to Webex cloud
- Automatic overflow if local capacity is full / unavailable

Capabilities of Webex Edge

Intelligent Audio + Industry-Leading Media Experiences+ Direct Connection

Cisco Webex

Webex Edge

Audio	Connect	Video Mesh
New	New	

VoIP Adoption for Meetings
Changing habits requires simplicity and quality

Quality is inconsistent

Desk phones: Callback is easy. Dependable quality

Home phones: Callback is easy. Dependable quality

58% use cell phones to join meetings remotely

Partners and customers need to join too.

High PSTN Costs

(source PGI 2017 survey)
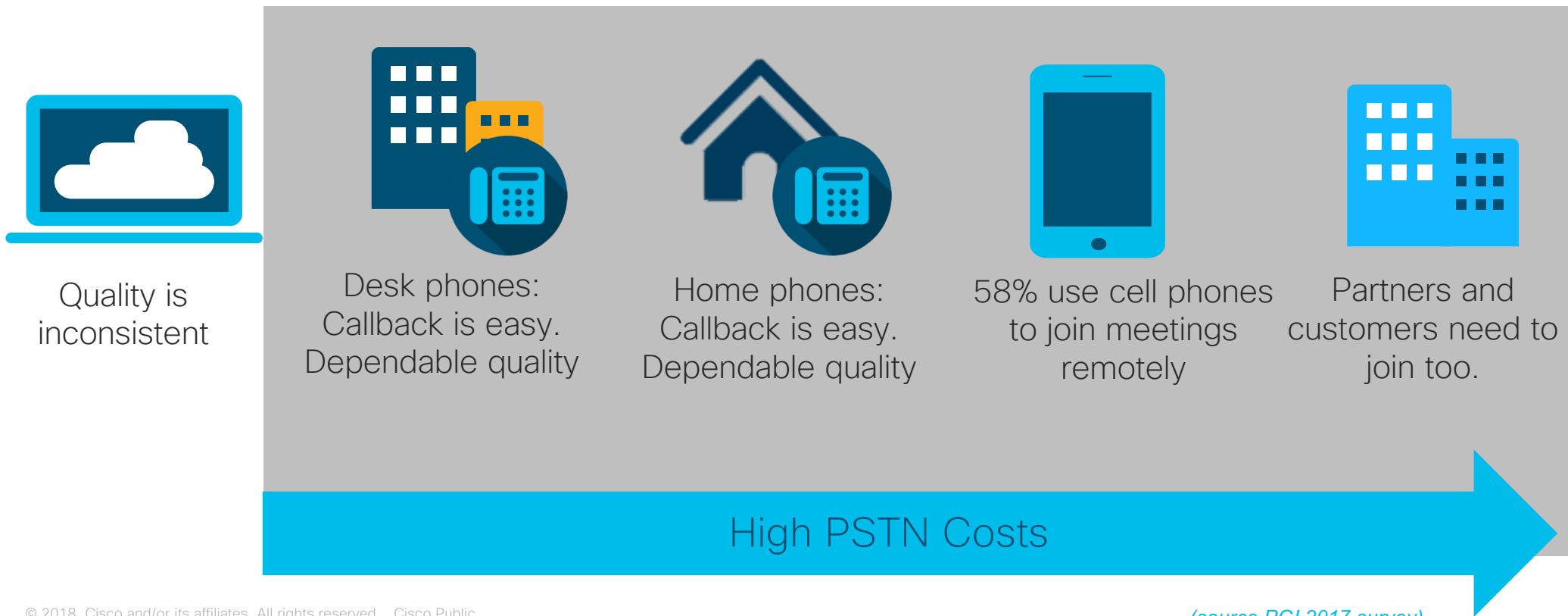
Webex Edge Audio

Transparently decouples PSTN from Webex to lower costs & improve quality

October 2018

Not just the PC

From the desk phone

From any phone

Even cell phones
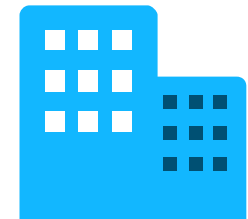
Partners and customers too

Reduce PSTN costs. Intelligent wideband audio to more scenarios.
No change in user behavior

Webex Edge Audio
Intelligent Audio Routing

Cisco Webex

Cisco Unified Communications Manager

- Applicable to *any* size business
- Intelligent audio routing: integrating Webex with Unified CM
  - Creates end-to-end VoIP path for Unified CM registered devices (callback and dial-in)
  - Uses company's own PSTN for any other device (callback only)
- No SIP trunks, no direct peering arrangements or additional traversal elements required
- Geo-country code configurable
- Included in Collaboration Flex Plan – no extra charge. No port charges on Expressway
- Supports Webex Meetings, Events, Training

Customers save as much as 20%
No user training, no change in user behavior, easy for IT

Webex Edge Audio

Webex Edge Audio
Intelligent audio routing
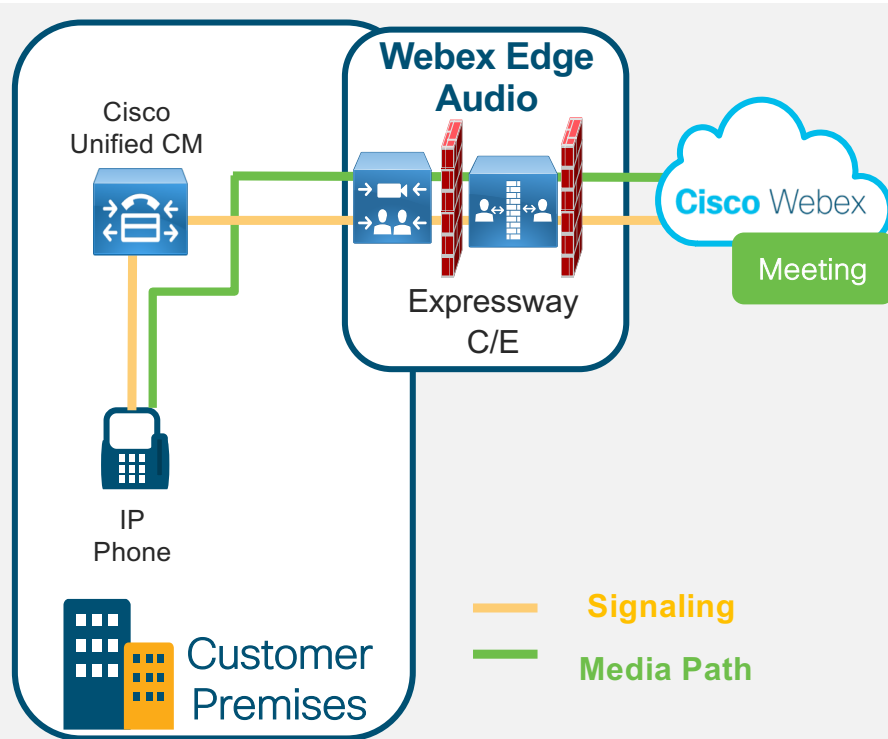
Webex Edge Audio

Cisco Unified CM

Expressway C/E

Cisco Webex
Meeting

IP Phone

Customer Premises

— Signaling
— Media Path

- Intelligent audio routing: integrating Webex with Unified CM
  - Creates end-to-end VoIP path for Unified CM registered devices (callback and dial-in)
  - Uses company's own PSTN for any other device (callback savings)
  - No SIP trunks or peering arrangements required
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- Included in Collaboration Flex Plan – no extra charge. No port charges on Expressway
- Supports Webex Meetings, Events, Training

No user training, no change in user behavior, easy for IT

Version 1.1

Cisco Webex Edge Audio
Architecture requirements

Cisco Unified

Webex Edge Audio

Expressway C/E

Meeting

Cisco Webex

IP Phone

Customer Premises

Signaling
Media Path
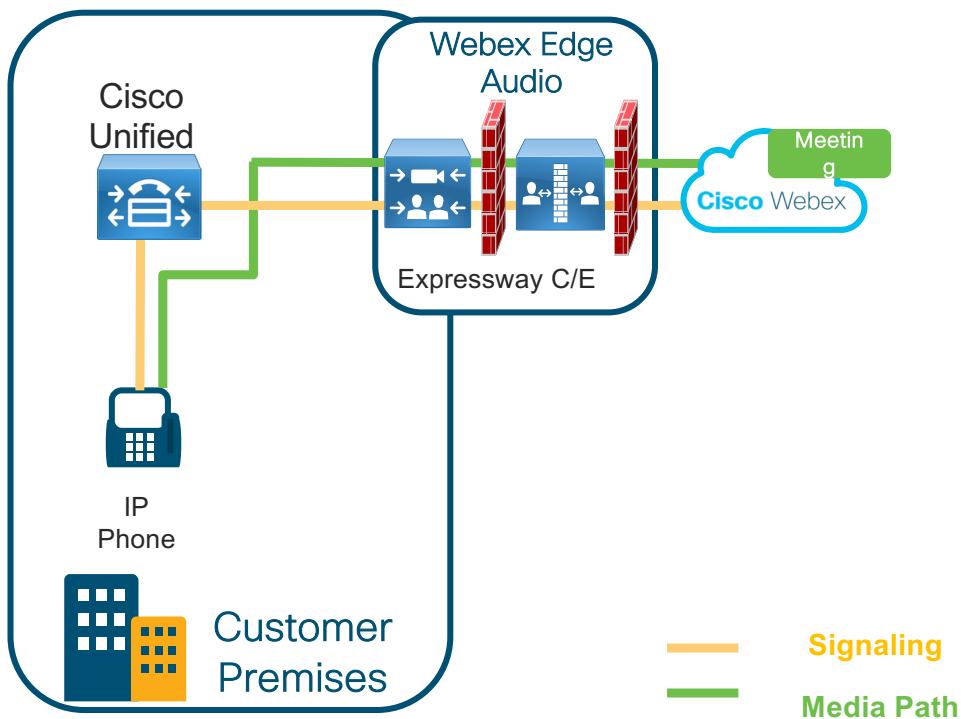
Unified CM support only
- 10.5 or later

Cisco UCM registered IP phones
- Supporting G.711 or G.722

Expressway support only
- X8.10 or later
- Can use existing Expressway C/E deployment
- Audio scale dependent on Expressway deployment and services enabled.

Webex site
- WBS 33.x or higher
- Included in Flex, A-WBX and A-SPK SKU need the Webex Edge Audio package
- Not available on CCA-SP, CCA-ENT or TSP sites.
  - Requires migration to Webex Audio Site

Requires a signed certification from a Cisco trusted Certificate Authority (CA)

Version 1.1

Cisco Webex Edge Audio
Dial in Signaling Call Flow
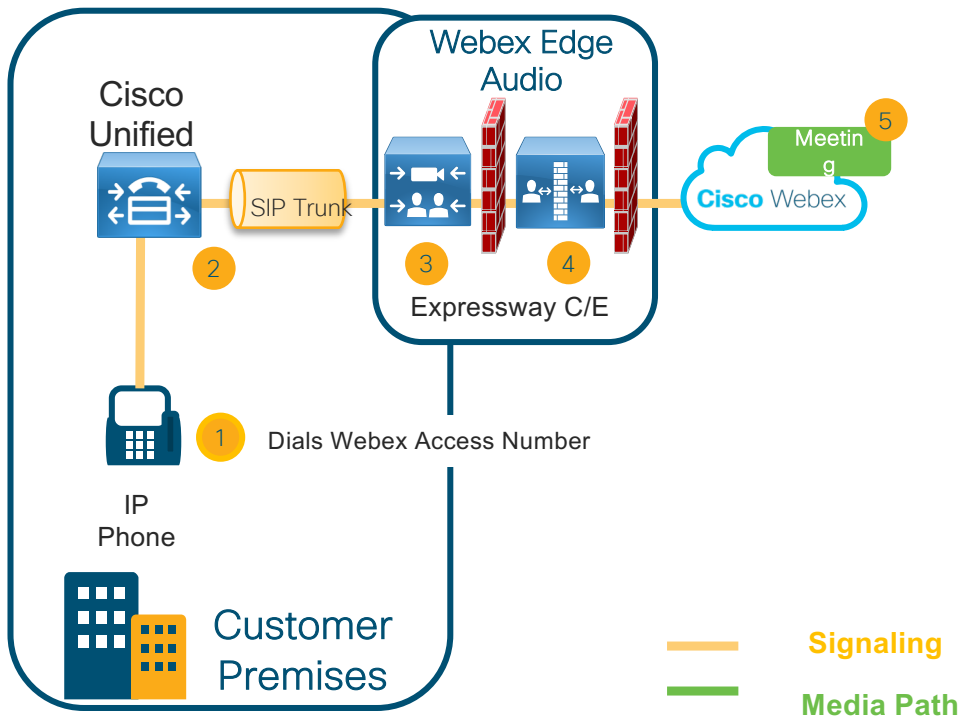
1. Endpoint dials Webex Audio access number.

2. Cisco UCM matches the number and routes as +E.164 through SIP trunk to Expressway-C.

3. LUA script on SIP trunk to Expressway-C applies transformations required for correct routing to Webex

4. Expressway-C sends request to Expressway-E.

5. Expressway-E routes call to the Webex cloud.

6. Meeting resources are setup.

Version 1.1

Cisco Webex Edge Audio
Dial in Media Call Flow
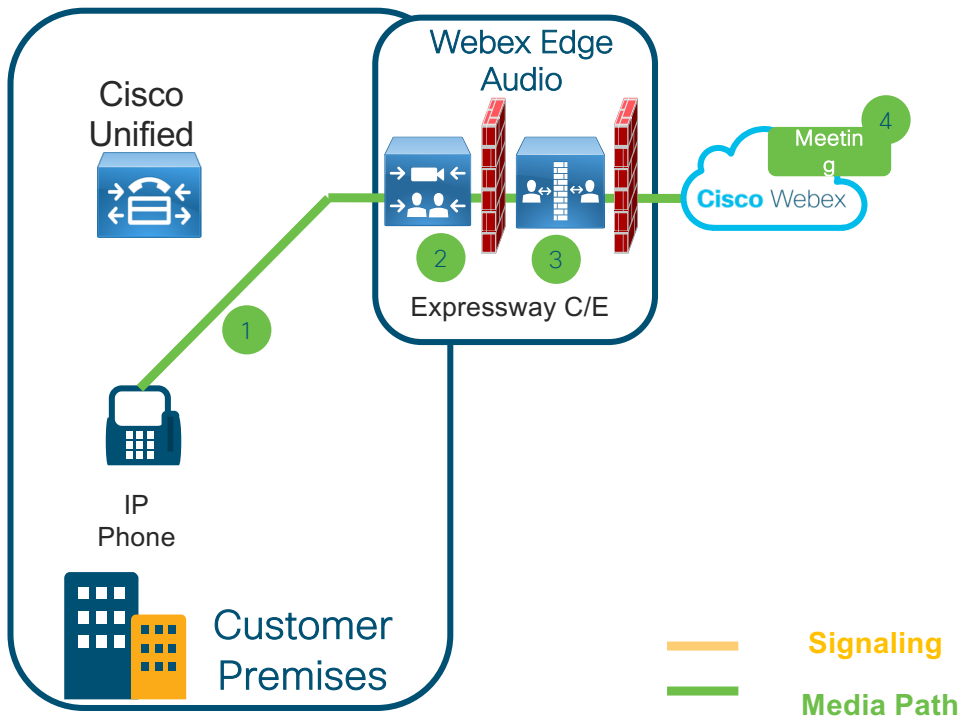
1. The IP phone sends media to Expressway-C

2. The Expressway-C sends media to Expressway-E via the traversal zone

3. The Expressway-E sends media to the Webex cloud.

4. IP phone's audio is mixed into the meeting and it hears the other participants.

Cisco Webex Edge Audio

Dial in Signaling Call Flow with and without Edge Audio configuration
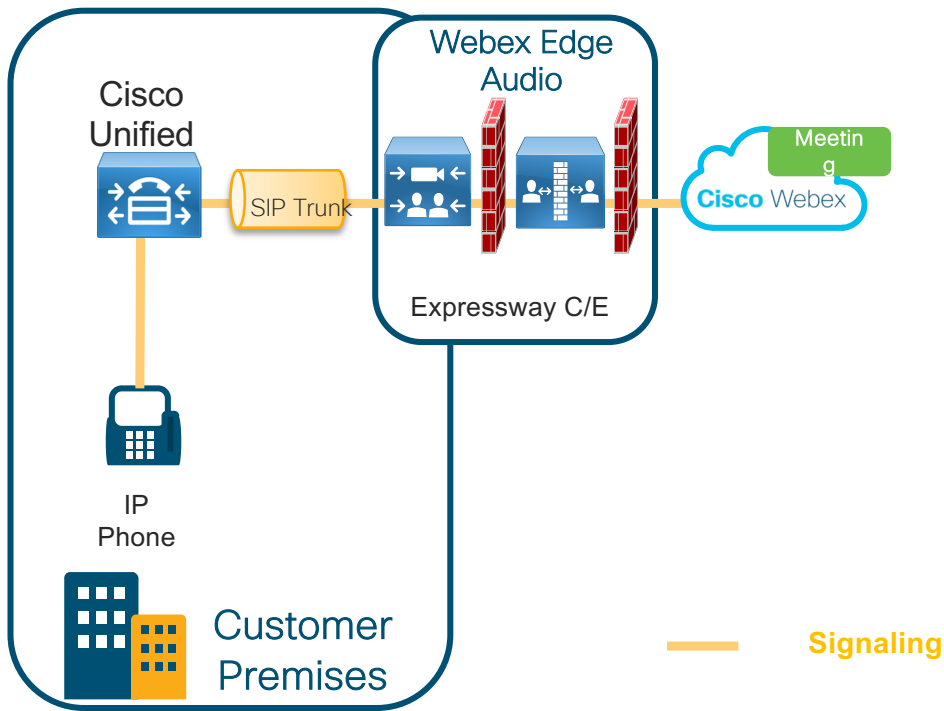
User dials E.164 Webex Access number that **does** have an associated Edge Audio route pattern in Cisco UCM

User dials E.164 Webex Access number that **does not** have an associated Edge Audio route pattern in Cisco UCM

Version 1.1
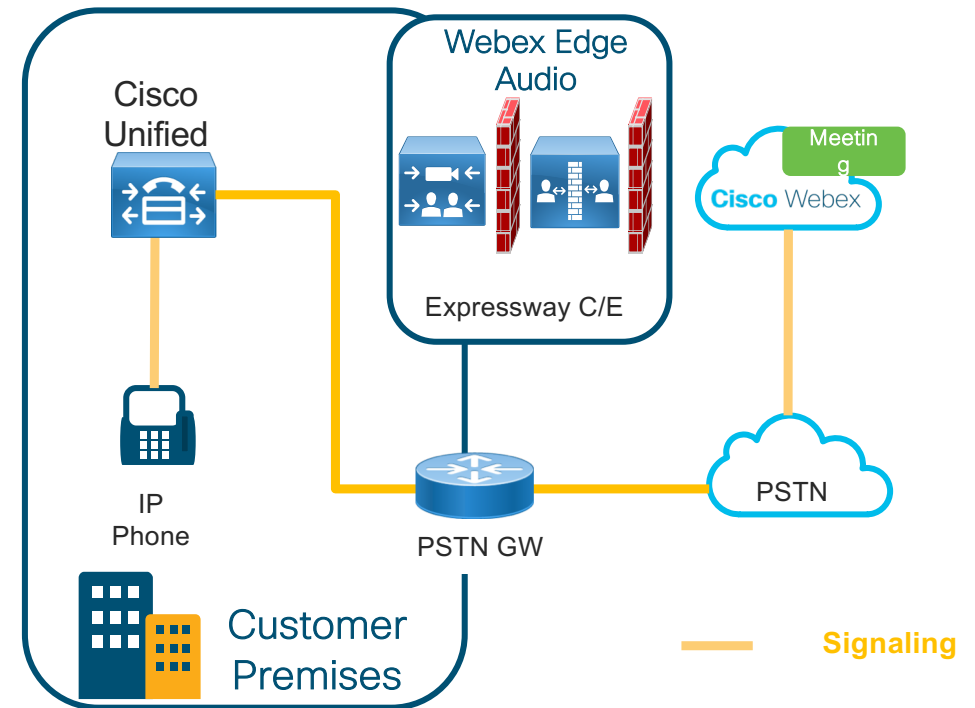
Cisco Webex Edge Audio
Dial in Media Call Flow with and without Edge Audio configuration

Left diagram:

Cisco Unified

Webex Edge Audio

Expressway C/E

Meeting

Cisco Webex

IP Phone

Customer Premises

Media Path

User dials E.164 Webex Access number that **does** have an associated Edge Audio route pattern in Cisco UCM

Right diagram:

Cisco Unified

Webex Edge Audio

Expressway C/E

Meeting

Cisco Webex

IP Phone

PSTN GW

PSTN

Customer Premises

Media Path

User dials E.164 Webex Access number that **does not** have an associated Edge Audio route pattern in Cisco UCM

Version 1.1

Webex Edge Audio
+ Video Mesh

Cisco Webex Edge Video Mesh
Architecture
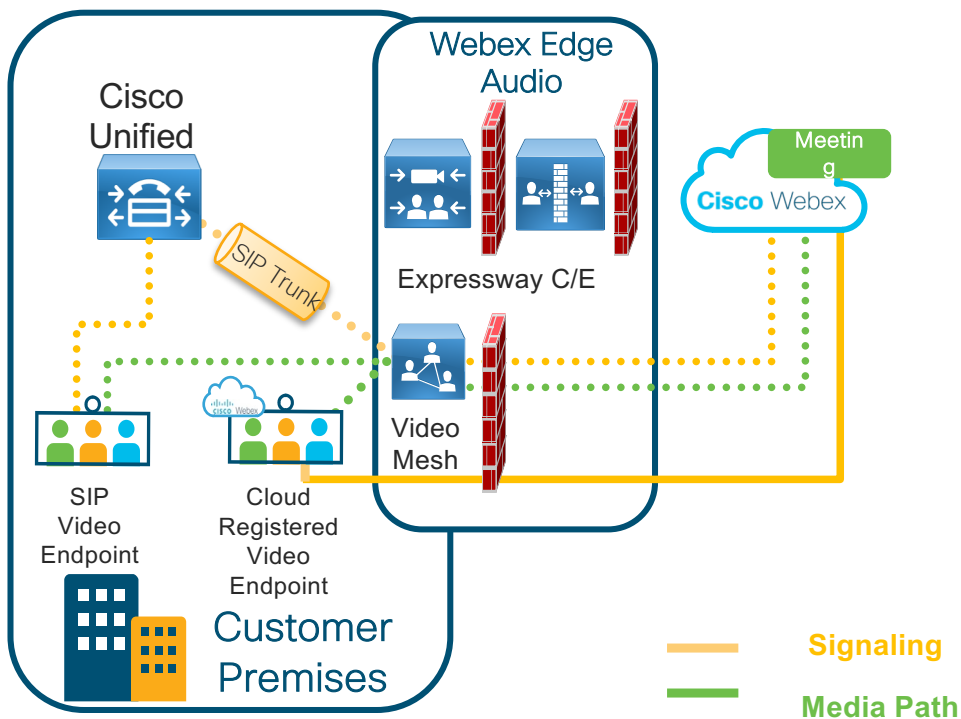
- Video Mesh is part of the Webex Edge solution

- Video Mesh functionality is the same, handling the Main Video, Speaker's Audio and Content being shared by the video devices in the meeting that can utilize Video Mesh

- Video Mesh communicates directly to Webex cloud and terminates the media for cloud registered device and SIP video endpoints for dialing into Webex meetings.

- Webex Teams, Webex registered devices and Cisco UCM registered SIP video endpoints use Video Mesh. Webex Meeting app or Webex Teams browser does not use Video Mesh.

Cisco Webex Edge Audio + Video Mesh
Signaling and Media
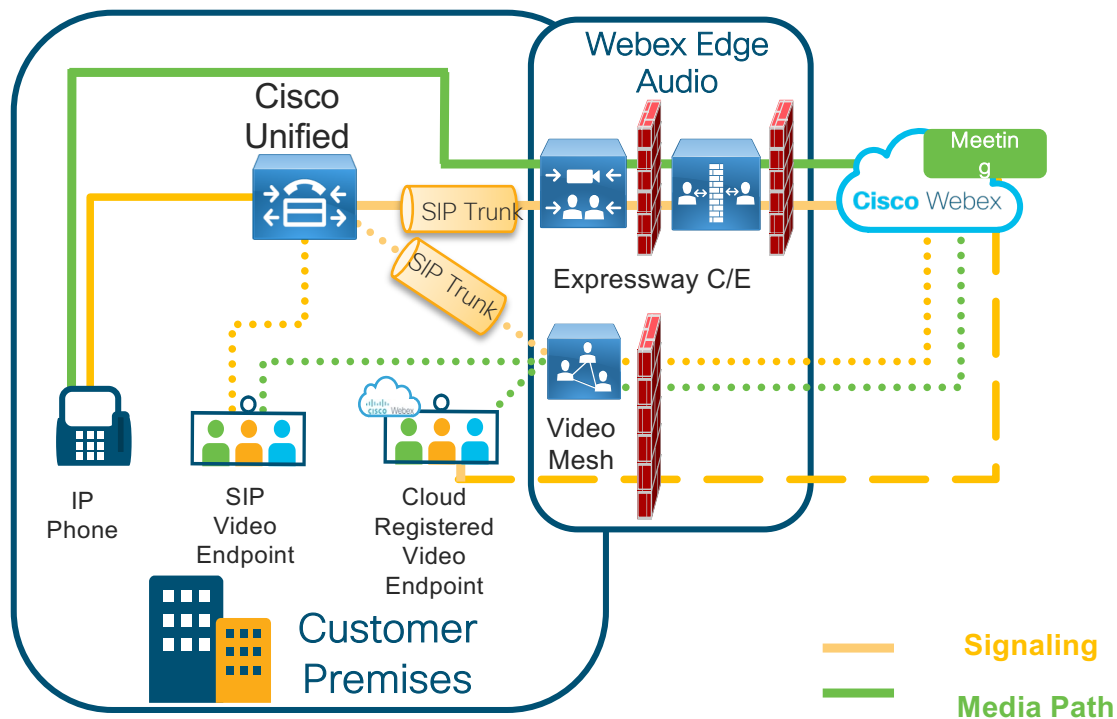
- Video Mesh and Edge Audio work independently but are part of an overall solution when connecting to a Webex meeting.

- IP phones dialing in or call back to the Webex meeting use +E.164 numbers and utilize the Expressway to connect to the Webex meeting. (Webex Edge Audio)

- Cisco UCM registered SIP video endpoints, Webex registered devices and Webex Teams app dial SIP URIs to the Webex meeting and use Video Mesh for local media processing.

- Webex Meeting app goes directly to the Webex Cloud.

Version 1.1

Integrated with the Tools You Use Most

We believe in building bridges, not islands

Building Bridges, Not Islands

365

CISCO

NETWORK

Compat

Delivering Better Experiences

Bridges not Islands

3rd Party
Apps & Services

Cisco
Cloud

Cisco
On-Premises

The best of both worlds
Webex + Productivity Tools

Join/start meetings from MSFT Teams

O365 Calendar

SfB enhanced sharing interop
(October)

OneDrive & SharePoint
(December)

Embedded meetings in MSFT Teams UI
(CY19)

Collaborate in documents
(CY19)

Bringing users one, seamless integrated experience

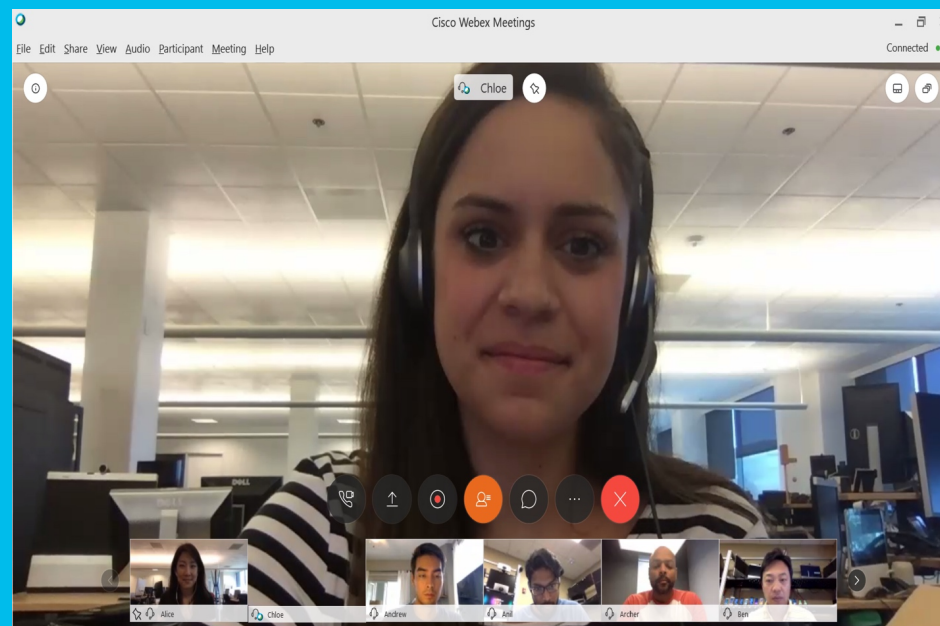# Webex Meetings with Microsoft Teams

Preview
CY19
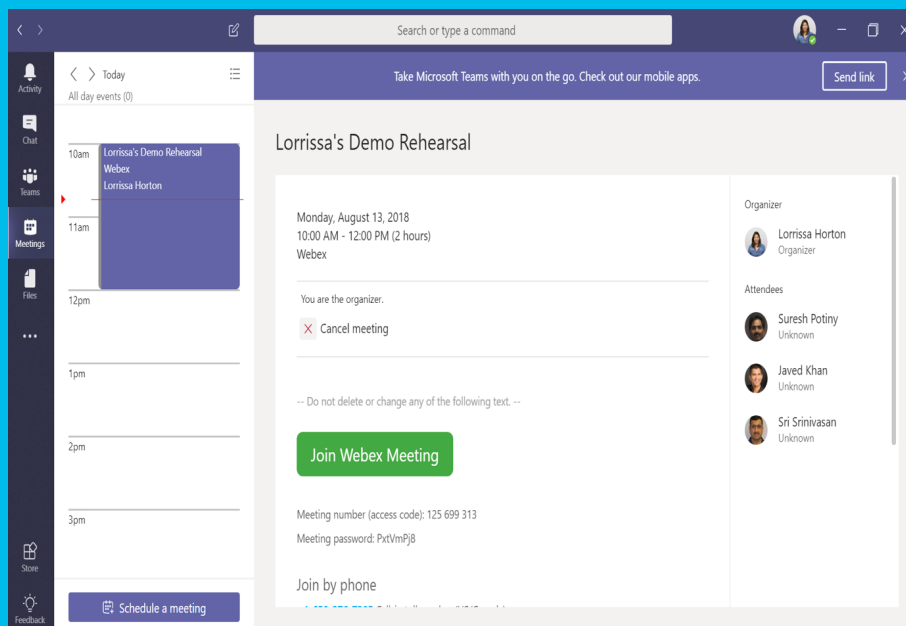
Webex Teams with Microsoft Productivity Suite
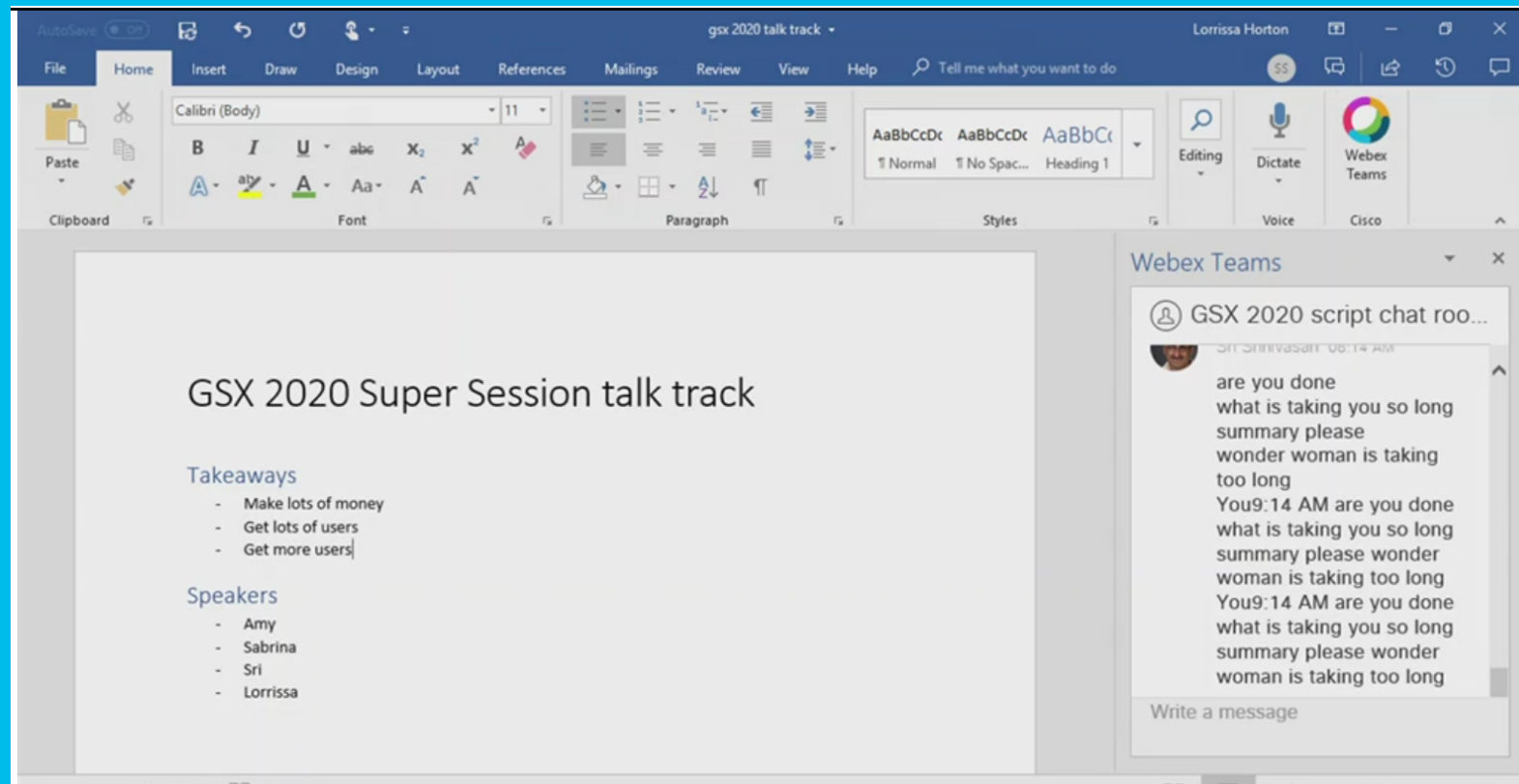
Secure File Sharing and Access from Your Microsoft ECM system in Webex Teams

Preview: December 2018

Share, save and sync content right from Microsoft in Webex Teams

Add a File from OneDrive

+ New | Upload | Flow | Sync | Sort | Tiles

Files

	Name ↑	Modified	Modified By	File Size	Sharing
	Attachments	October 19, 2017	Stewart Curry		Private
	Microsoft Teams Chat Files	October 19, 2017	Stewart Curry		Shared
	20180716_122620000_iOS.jpg	Monday at 4:26 AM	Stewart Curry	1.07 MB	Private
	Document.docx	November 15, 201	Stewart Curry	10.6 KB	Shared
✓	Marketing Brochure 2018.docx	About a minute ag	Stewart Curry	10.9 KB	Shared
	test.docx	December 1, 2017	Stewart Curry	11.4 KB	Shared

Open | Cancel

OneDrive

Marketing Brochure 2018
300 KB

Here's the latest brochure

Extra secure: choose who sees the file

OneDrive

Manage Permissions

Marketing Brochure 2018.pdf
300 KB

Anyone with the link can view and download this file.

People in this file ⌄
People in your company
People with the link
People in this space

Marketing Bro
300 KB

Here's the la
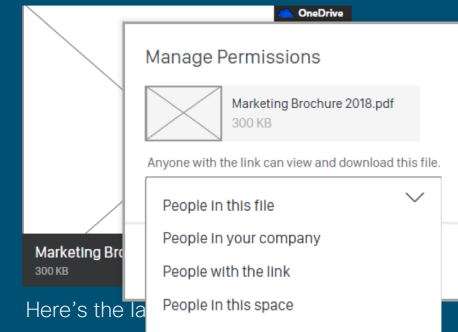
Built for enterprise, simplifies workflows for users

Single storage solution with flexibility to keep content within your organization or use Webex Teams file system to share with those outside the organization (policy can be set by admin or user)

Protects via existing DLP/CASB and anti-malware

New: Google Calendar Native UI integration with Cisco Webex Meetings
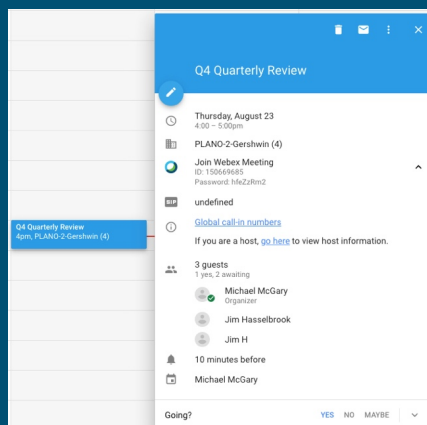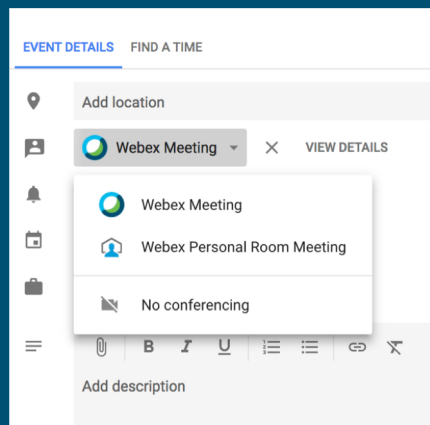
- Simple G-Suite admin setup, or per user basis
- No user downloads, plug-ins or extensions required
- Consistent experience on any browser, mobile or android device
- One click to start or join

Add Webex Hybrid Service for One- Button-to-Join from any Cisco Webex Video Device

*Expected Google release date

Improve Engagement in and beyond the Meeting
Enhancements to the Webex Meetings Business Suite

Cisco Webex Education Connectors
Canvas, Moodle, Desire2Learn, Sakai and Blackboard

Webex Meetings and Events

Enhance Instructor Learner Engagement

Integrated LMS/LTI workflows

One click to schedule, start or join

Events video improvements HD video for all panelists

Video-centric recordings

**dependent on OAuth support for APIs to enable LTI integration for SSO sites

New Devices

Better Engagement for Every Meeting
More Powerful Meeting Devices for More Spaces

Intelligent views, smarter spaces

Customize more meeting experiences

More functionality, Same cost, or less

Introducing the Most Powerful Video Codec
For Customized and Very Large Meeting Spaces

Cisco Webex Room Kit Pro

Backplane Overview

Antenna   Line outputs (3)

Microphone/Line in inputs(8)

GPIO(4) COM Antenna

3 HDMI Video out
Screen output with 4K
resolution and audio

5 HDMI + 1 3GSDI Video in
HDMI inputs with Audio
Up to 4K input for Content sharing
1 HDCP ready

USB A/B/micro
USB (future)
Debug
Pin hole reset

5 Ethernet ports
Network connectivity
w/ PoE for Touch 10
Camera control
AVB ready

Power button,
Power connector,
Earth connection

Key Physical I/O Enhancements

Rich set of video and audio inputs, flexible media engine, and support for up to three screens enable a variety of use cases, adaptable to your specific needs.

Video inputs/outputs

6 concurrent video inputs:
- 3x HDMI (up to 4Kp30)
- 2x HDMI (up to 1080p60)
- 1x SDI (up to 1080p60)

3 video outputs:
- 2x HDMI (up to 4Kp60)
- 1x HDMI (up to 4Kp30)

Audio inputs/outputs
- 4x balanced line input (Euroblock)
- 8x microphone inputs (Euroblock)
- 3x HDMI input (input #1 support ARC)

Other

Chipset:
Nvidia Tegra X2 with GPU

Wireless:
WiFi 802.11a/b/g/n/ac 2.4GHz/5GHz for LAN. 2x2

Bluetooth:
Bluetooth 4.0 LE for wireless sharing and proximity
2 antennas

Software Enhancements

Bringing Room Kit system software technology to the top-of-the-line integrator codec

Embedded conferencing
- 4-way MultiSite (up to 15 Mbps total bw)

Content
- 4Kp15 in-call content share
- HDCP ready

Wireless sharing
- Cisco Webex Teams app @4Kp5
- Cisco Proximity app @1080p5

In-room Control
- Customizable GUI and support for control of 3rd party peripherals through the XAPI

Intelligent camera control
- Speaker tracking with Quadcam and SpeakerTrack 60

Other

- Noise suppression
- Diagnostics
- Metrics

Room Customization – Source Compositing

- Combine sources to send a composited image in Main or Dual stream/Presentation channel

- Remote side will receive multiple views from the source room

- Integrators has flexibility to create custom solutions

- Available in all endpoints with more than one input

- Equal layout available for up to 6 sources locally and 4 sources remote

- Simplified and improved replacement for TC Console functionality

Room Customization – Source Compositing

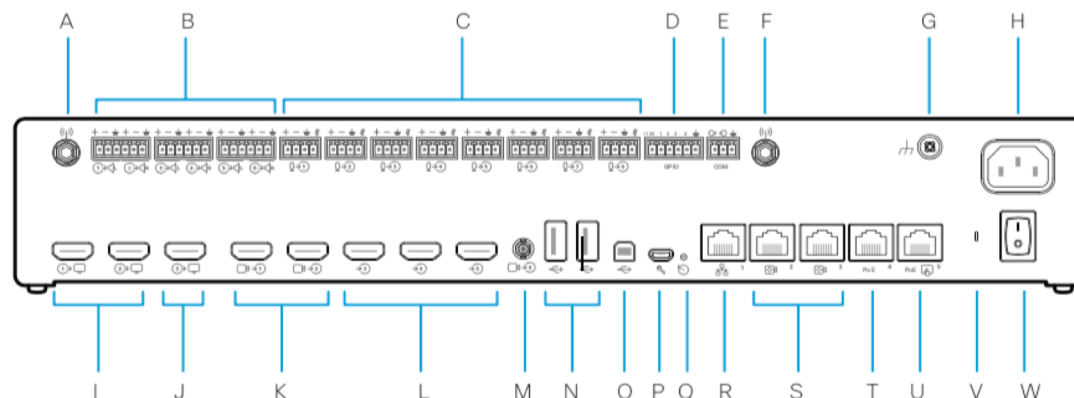- Example of sending 4 sources composited in presentation channel

Local end

Remote end

Detailed I/O Overview

A – Antenna connector
B – 6 x Line outputs (Euroblock, 3,5mm)
C – 8 x Microphone/Line inputs (Euroblock, 3,5mm)
D – GPIO port (Euroblock, 3,5mm)
E – COM port (Euroblock, 3,5mm)
F – Antenna connector
G – Ground (Protective earth)
H – Main power input (1.3-0.6A, 100-240V ac, 50/60Hz)
I – 2 x HDMI outputs with audio and video (1-2), 4Kp60
J – HDMI output with audio and video (3) 4Kp30
K – 2 x Camera inputs (HDMI 1-2) 1080p60
L – 3 x HDMI inputs with audio and video (3-5) 4Kp30
M – Camera input (3G-SDI/HD-SDI, 6) 1080p60

N – 2 x USB 2.0, type A
O – USB 2.0, type B
P – Maintenance (micro USB)
Q – Factory reset
R – Network (Ethernet) 1Gb
S – 2 x Camera control (Ethernet)
T – Ethernet PoE – internal network port for Poe device
U – Touch panel (user interface, Ethernet PoE)
V – Status LED
W – Power On/Off

Comparing Codec Pro and Codec Plus

		Room Kit Pro	Room Kit Plus
Connectivity	Video Inputs	6 concurrent video inputs **3 HDMIs up to 4kp30**, 2 HDMIs + **1 SDI** up to 1080p60	3 concurrent video inputs 2 HDMIs up to 4kp30, 1 HDMI up to 1080p60
	Video Outputs	2 HDMI 4Kp60, 1 HDMI 4kp30	2 HDMI 4kp60
	Audio Inputs	8x mic/line-in **All HDMIs have audio in**	3x mic-in All HDMI inputs have audio in
	Audio Outputs	6x line-out **HDMI input #1 supports Audio Return Channel (ARC)**	1x line-out HDMI input #1 supports Audio Return Channel (ARC)
	Wireless	**Wifi 2x2, BLE, external antennas**	Wifi 2x2, BLE, internal antennas
	Ethernet	**5 ports, 2 with PoE**	3 ports of which 1 with PoE
	Other	GPIO, RS232 2xUSB2-host, USB-device, uUSB-debug	– USB2-host, USB-device, uUSB-debug
Video Capabilities	Standards	H.264, H.265 (H.263 for Tandberg interop)	H.264, H.265
	Encode / decode	Main Video: 1080p60 **Content: 4Kp15 / 1080p60**	Main Video: 1080p60 Content: 4Kp7 / 1080p15
	Other	HDCP ready, CEC 2.0	HDCP ready, CEC 2.0
Hardware	Chipset	Nvidia	Nvidia
	Unit Size	19" 1.5U rack-mountable, internal PSU	359 x 143 x 43 mm, external PSU

Comparing Codec Pro and SX80

		Room Kit Pro	SX80
Connectivity	Video Inputs	6 concurrent 3 HDMIs up to 4kp30, 2 HDMIs + 1 SDI up to 1080p60	4 concurrent 3x HDMI, 1x DVI-I, 1x comp up to 1080p60
	Video Outputs	2 HDMI 4Kp60, 1 HDMI 4Kp30	2x HDMI, 1x DVI-I up to 1920x1200
	Audio Inputs	8x mic/line-in All HDMIs have audio in	8x mic-in, 4x line-in
	Audio Outputs	6x line-out HDMI input #1 supports Audio Return Channel (ARC)	6x line-out
	Wireless	Wifi 2x2, BLE, external antennas	–
	Ethernet	5 ports, 2 with PoE	3 ports
	Other	GPIO, RS232 2xUSB2-host, USB-device, uUSB-debug	GPIO, RS232 2xUSB2-host
Video Capabilities	Standards	H.264, H.265 (H.263 for Tandberg interop)	H.261, H.263, H.264, H.265
	Encode / decode	Main Video: 1080p60 Content: 4Kp15	Main Video: 1080p60 Content: 1080p30
	Other	HDCP ready, CEC 2.0	
Hardware	Chipset	Nvidia	Tilera
	Unit Size	19" 1.5U rack-mountable, internal PSU	19" 1U rack-mountable, internal PSU

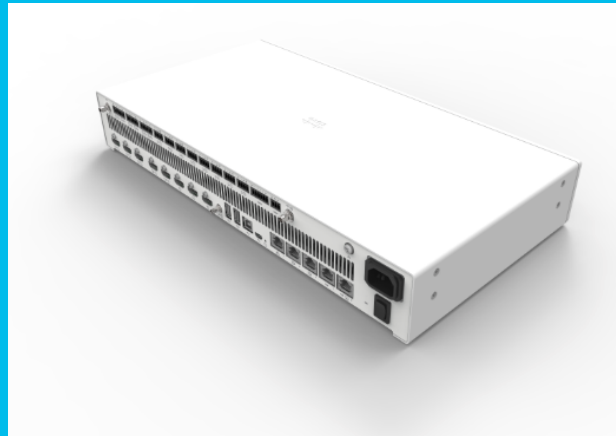# Cisco Webex Room Kit Pro
Next Generation Integrator Solution

Next Gen SX80

4K input and output resolution   50% more inputs/outputs   AI/ML capabilities

Cisco Webex Room 70 G2
Powers Large Meeting Spaces

September 2018

More Power, Same Price

| Simple & Intuitive | Room Kit Pro Codec | More room layout options | AI features for smarter rooms | Replaces MX800 and Room 70 | Up to 14 people |

Cisco Webex Room 55 Dual
Maximize Medium Room Spaces

September 2018

More Power, 20% lower list price

| Simple and intuitive | 4K Video input/output | AI features for smarter rooms | Intelligent Views Quad Camera | Next Gen MX700 | Up to 10 people |

Making Creative Workflow Even Better
Enhancements to Webex Board

November 2018

Pinch & Zoom

Extend whiteboard canvas – unlimited creativity

Stickie's

Undo

OBTP Simplicity Hybrid phone books
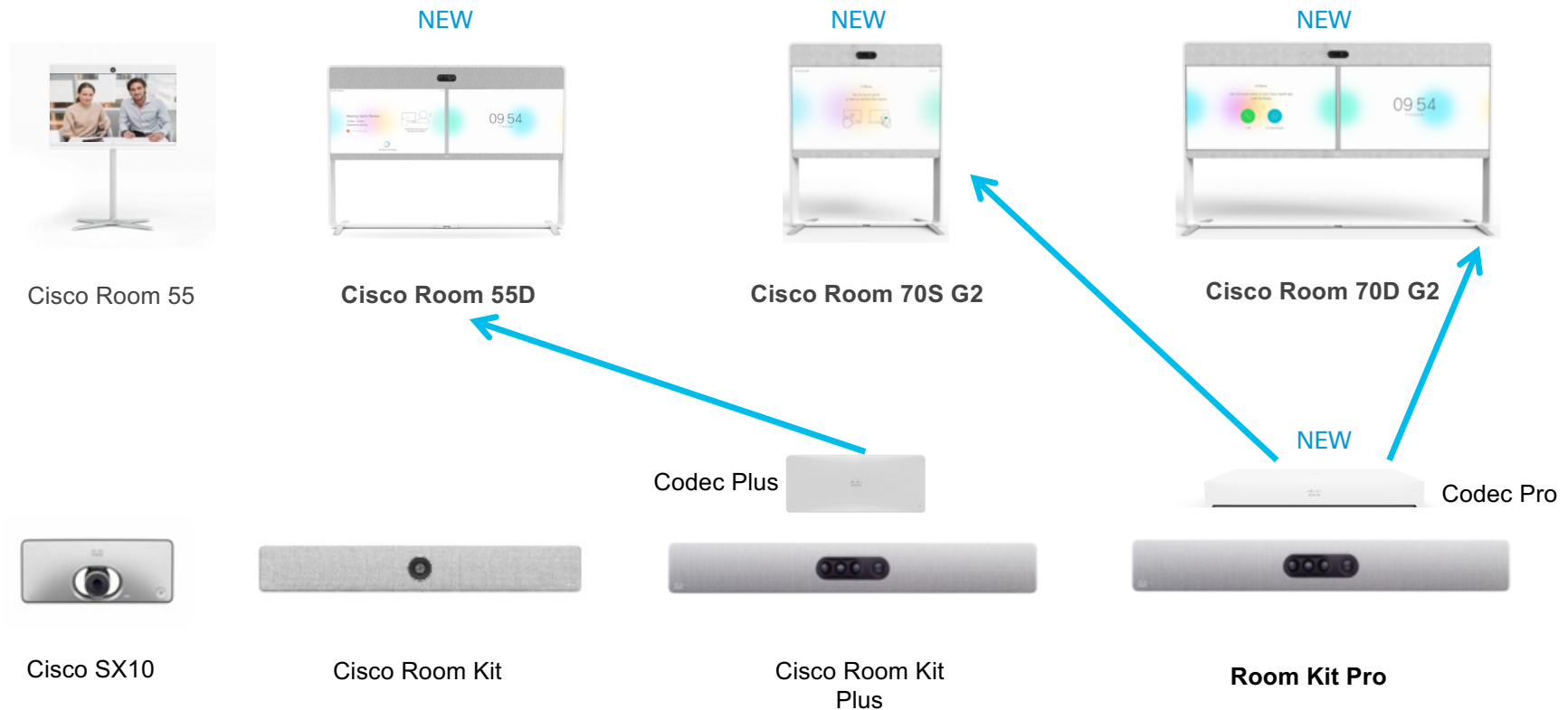
Simple & Intuitive

Familiar ways to create

Capture ideas

Include everyone on the extended team

OBTP dialing

Updated Room Portfolio
Intelligent Technology Foundation + Consistent UX

NEW

NEW

NEW

Cisco Room 55

Cisco Room 55D

Cisco Room 70S G2

Cisco Room 70D G2

NEW

Codec Plus

Codec Pro

Cisco SX10

Cisco Room Kit

Cisco Room Kit Plus

Room Kit Pro

Expanded Options for Knowledge Workers
Be More Productive in Open Space Environments

Headset 561/562

Headset 521/522

Standard or Multi Base Options
DECT encryption (128 Bit – Step C)

Flexible USB +
3.5mm Connections

Simplified admin for IT
Automated software updates

Wireless w/**Extended Range** +
highest DECT security

Best in Class Audio
Plus on-Ear call handing controls
,

Plug & Play integration
Use with multiple devices

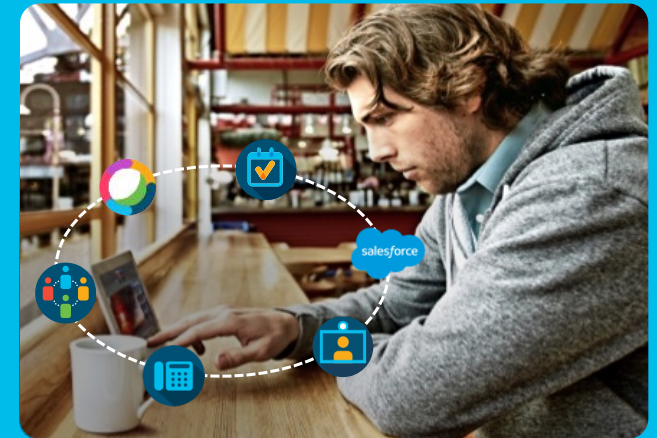# More Intuitive Way to Work: Advanced Meetings
Designed to Move Work Forward

Human

Adaptive & intelligent

Connected

Delivered over a flexible platform for a path to the future of work