

The Cisco Live! logo, featuring the word "CISCO" in a dark blue, sans-serif font, followed by "Live!" in a dark blue, cursive script font.

CISCO *Live!*

The text "Let's go" in a large, dark blue, sans-serif font, positioned to the left of a bright, multi-colored sunburst graphic that radiates from the right side of the image.

Let's go

#CiscoLiveAPJC



The bridge to possible

Enabling the right Cloud Calling Platform with Webex

Amy Ryan, Principal Solutions Engineer

Session ID: BRKCOL-2691

CISCO *Live!*

#CiscoLiveAPJC

Cisco Webex App

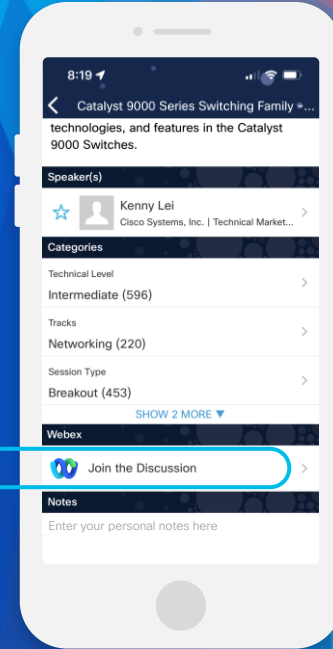
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until December 22, 2023.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKCOL-2691>

Agenda

- Current State
- Connect to the Cloud
- Review Cloud Options
- Feature Updates
- Customer Experience
- Migration Considerations

Collaboration Applications for Premise Deployments

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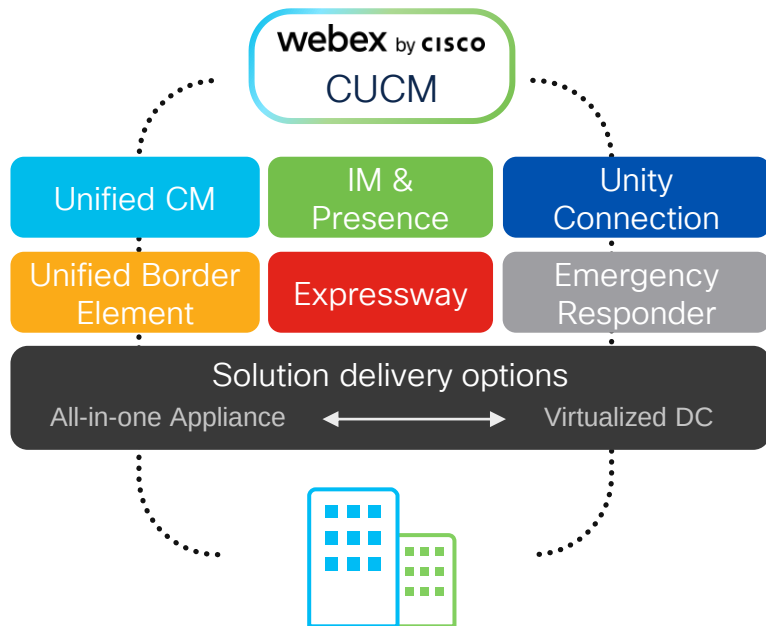
Consult your local Cisco business contact for information on the products or services available in your area. You can find additional information via Cisco's World Wide Web server at <https://www.cisco.com>. Actual performance and environmental costs of Cisco products will vary depending on individual customer configurations and conditions.

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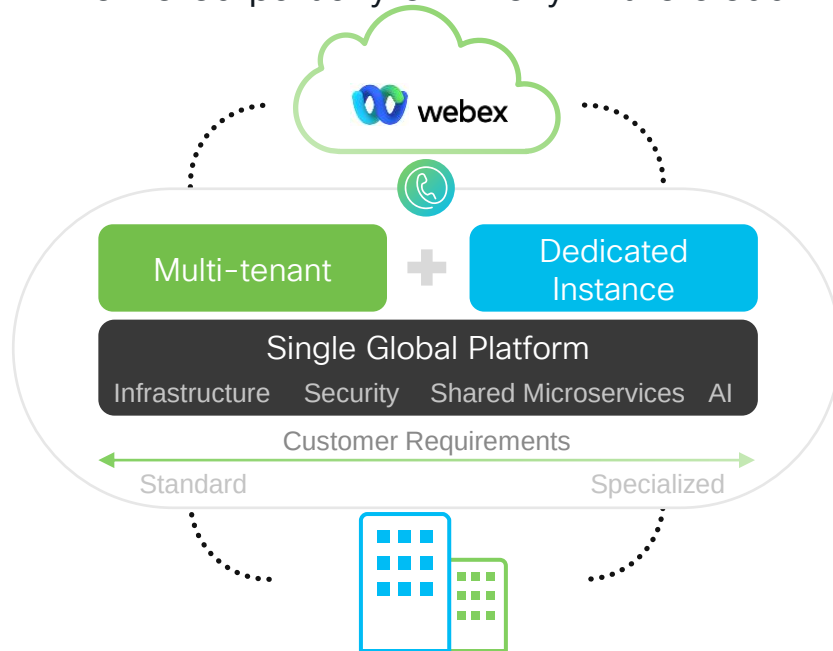
Cisco Unified Communications Manager (CUCM)

The most complete and flexible enterprise-grade calling experience is now part of the Webex Suite

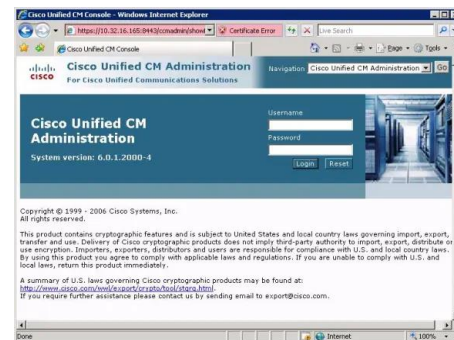
Delivered on-premises



Delivered partially or wholly in the cloud



We have been there.....



Continued investment in CUCM

Unified Communications Manager Development Themes



Simplifying UC
administration



Enhancing security
and compliance



Delivering the best
user experiences

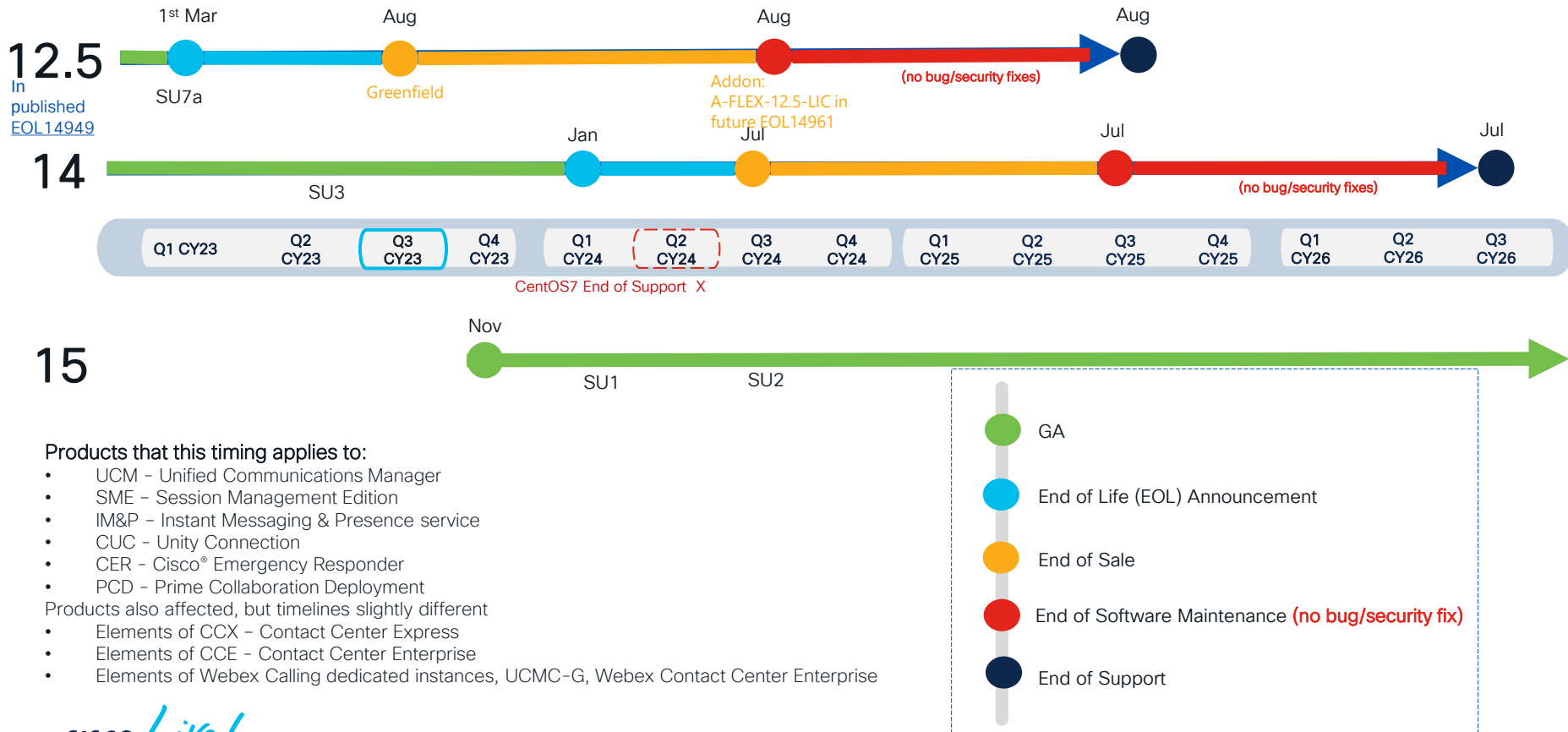


Connections to Cloud

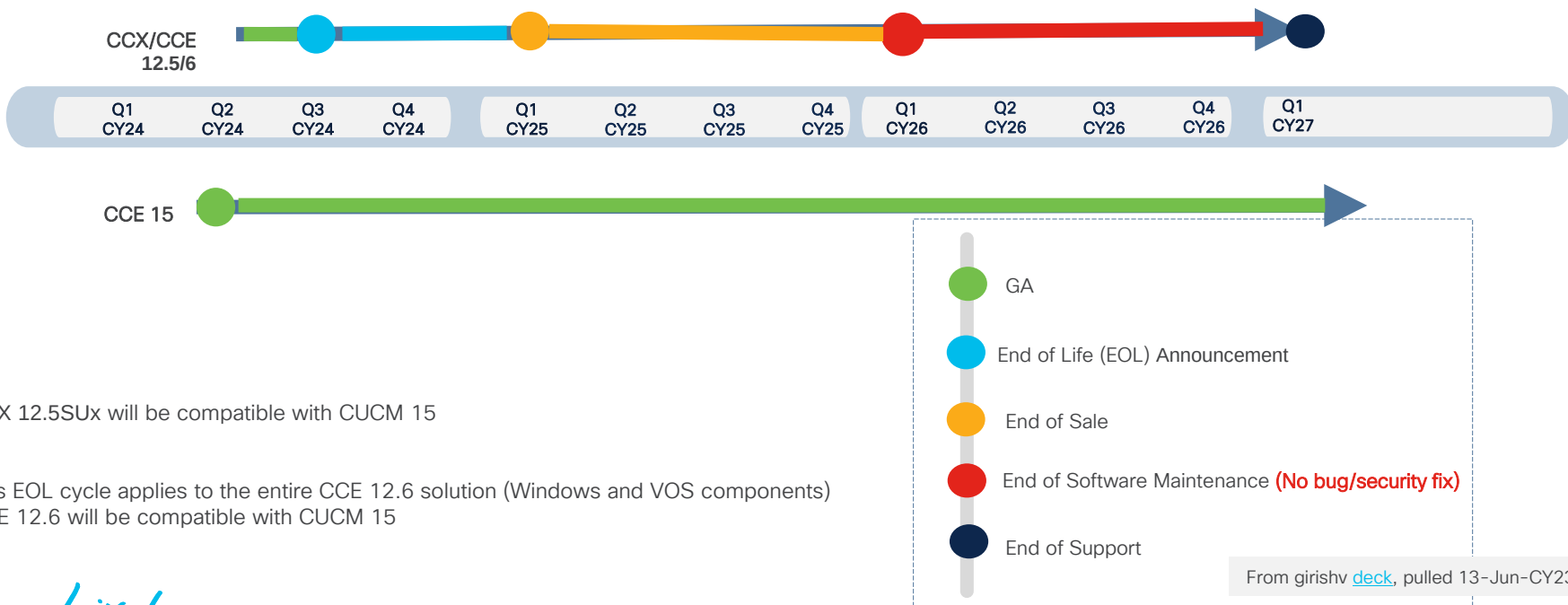
Available releases
for Unified Communications
Manager (including IM&P) and
Cisco® Emergency Responder



Release FCS/EOL – CUCM 15, 14, 12.5 (Cisco dates **subject to change**)



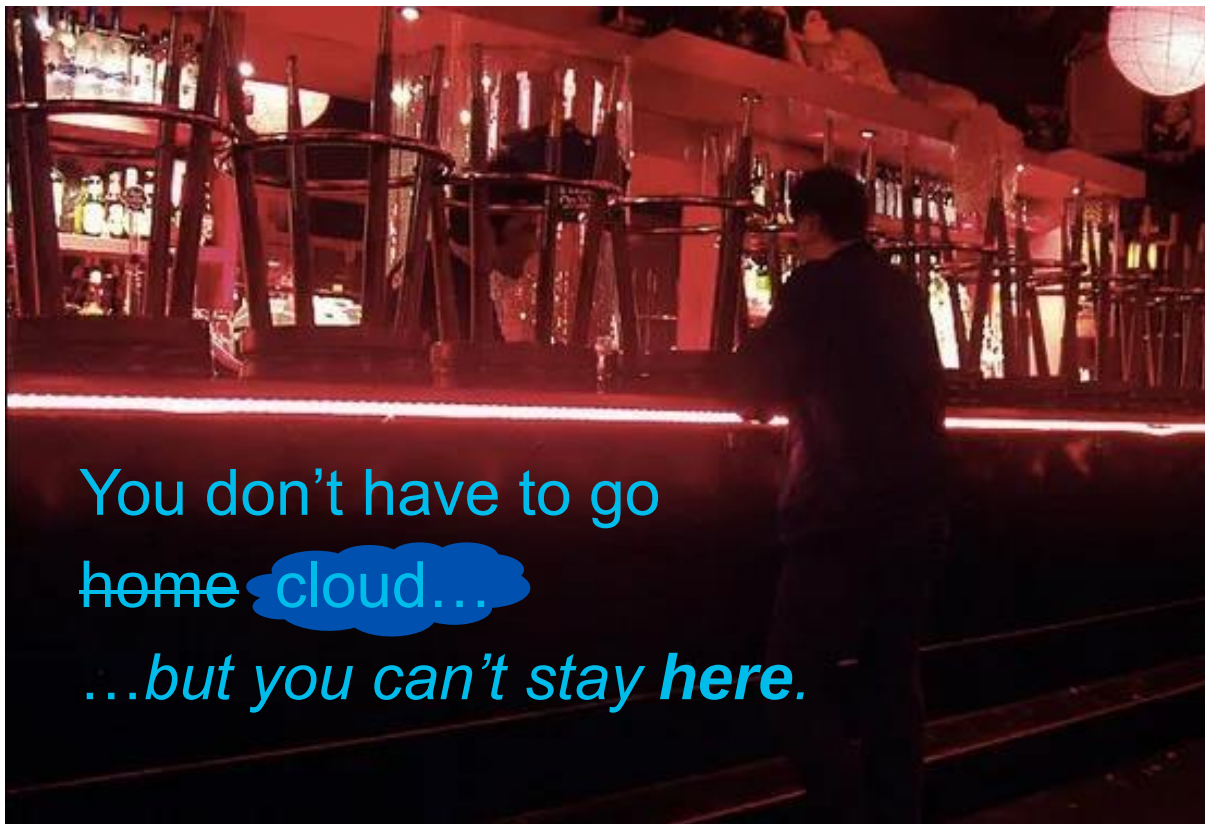
Contact Center Lifecycle – Both Express and Enterprise(**subject to change**)



Notes:

- CCX 12.5SUX will be compatible with CUCM 15
- This EOL cycle applies to the entire CCE 12.6 solution (Windows and VOS components)
- CCE 12.6 will be compatible with CUCM 15

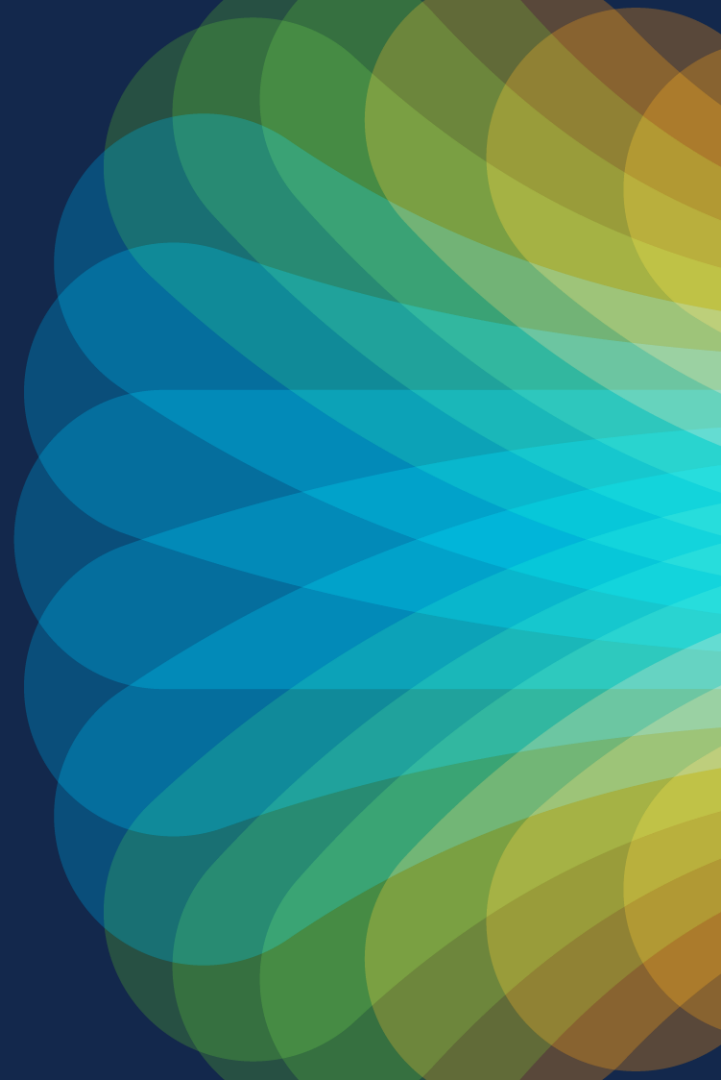
What does this mean for YOU?



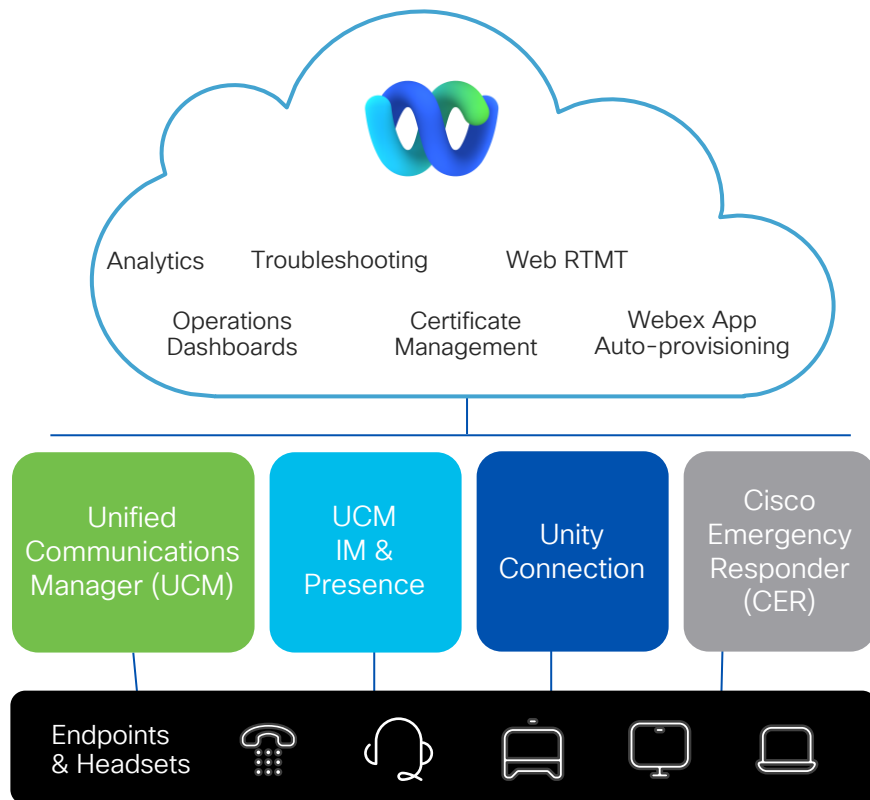
You don't have to go
home **cloud...**
...but you can't stay here.

Connections to the Cloud

Step 1 to a successful migration



Webex Cloud-Connected UC

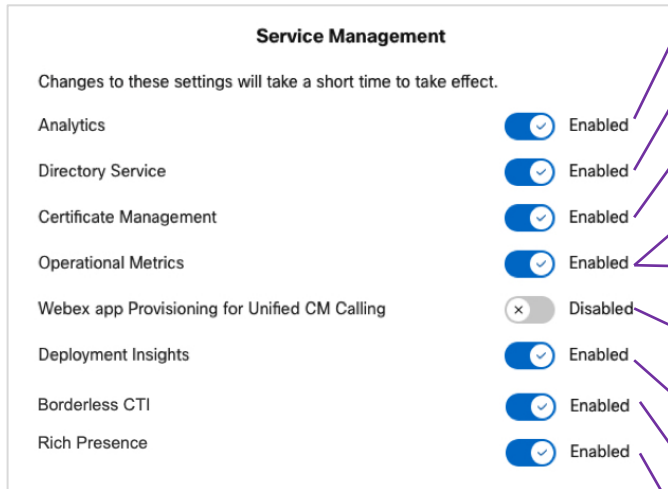


A suite of Webex® cloud services that provide enhanced business and operational insights to improve administrative productivity

For customers who:

- Want the centralized administrative workflow experience of the cloud, while keeping their UC services on-premises
- Need a single global view to manage on-premises UC, along with any Webex cloud, or hybrid services
- Desire efficient, cloud-based admin services (delivered by partner) for an on-premises CUCM deployment
- Ease my journey on-prem → "hybrid" → cloud
 - CCUC-powered "migrate to Webex" features.

Webex Cloud-Connected UC (cont'd) – Key Features



Analytics

(call quality, traffic analysis, trunk usage, device usage)

Directory Service

(UCM to WxIdentity for AzureAD etc.)

Certificate Management

(central view/distribute across apps/clusters)

Ops Dashboard with WebRTMT

(near-real-time view in CH not thick-client of last hour's call status & audio quality for top 5 UCM clusters)

Troubleshooting

(CX CSA integration for SDL logs in CH)

Also requires Webex Serviceability Connector

Touchless WxApp (auto-)provisioning

(enduser self-provision via just login to WxApp with UCM calling)

"Migration" to Webex

(understand Jabber usage, enable wizards under CH->Migration)

Borderless CTI

(enduser controls IP phone via WxApp CTI over MRA not VPN)

Rich Presence

(UCM-registered in-call phone status synced to WxApp presence)

CCUC analytics – service experience

Call volume status

KPI's for calls: attempted, successful, failed, and dropped

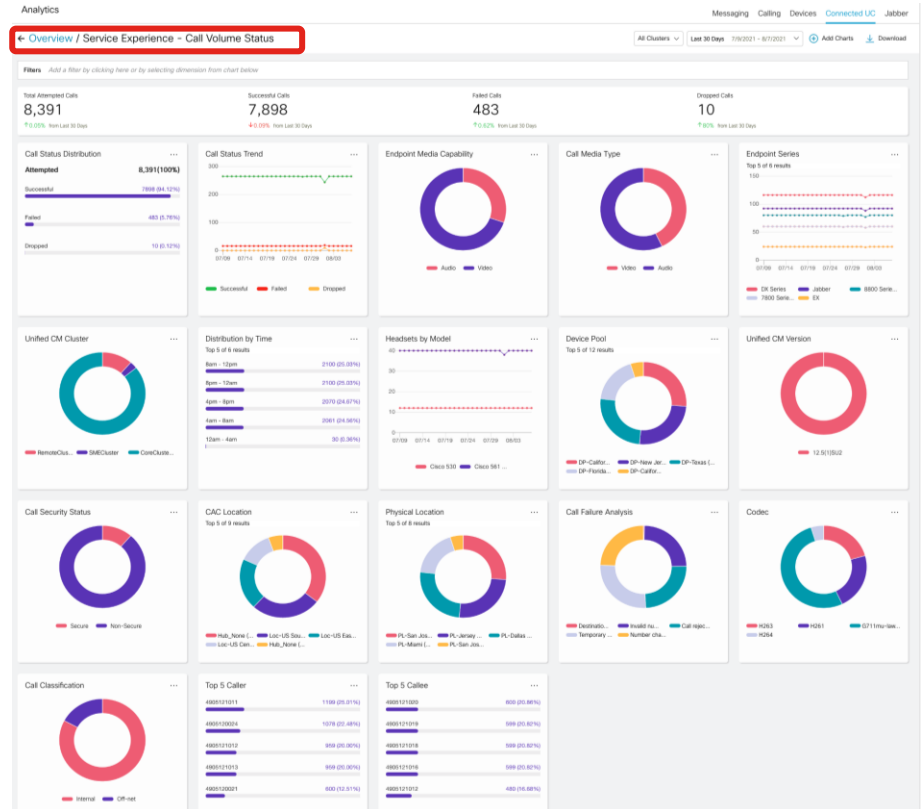
- Dropped call: any call > 0 min in duration and then failed

Interactive charts and graphs

- Call trends, endpoint media, type of endpoints and headsets, Cisco® UCM cluster, distribution of calls over time, device pools, CAC location bandwidth, etc.

"Filters" to guide admin on a particular aspect
– all charts and graphs update accordingly

Ability to download CSV: snapshot of the entire data set, or of the filtered data view



CCUC analytics – service experience

Call audio quality

KPI's for total calls, then calls that were good/poor/acceptable

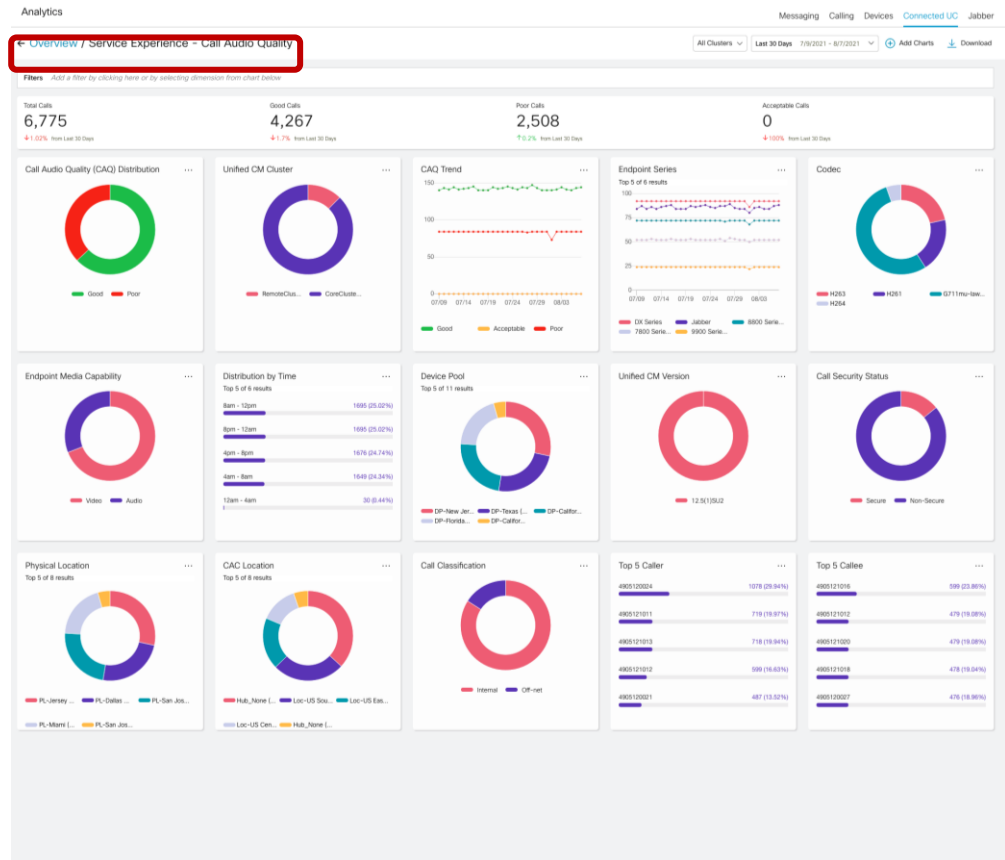
- Call Audio Grading is based on:
 - Severely Concealed Seconds Ratio (SCS / Duration of Call)
 - SCS information is available from CMR
 - Thereby, only those calls which have a CMR will be graded for Call Audio Quality

Interactive charts and graphs

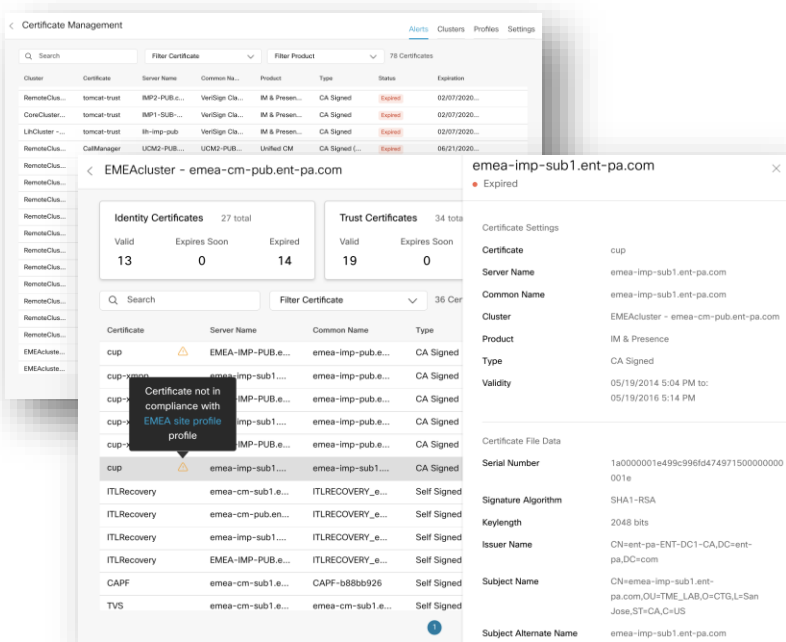
- Call audio quality trends, endpoint media, type of endpoints and headsets, Cisco® UCM cluster, distribution of calls over time, device pools, physical location, etc.

"Filters" to guide admin on a particular aspect
– all charts and graphs update accordingly

Ability to download CSV: snapshot of the entire data set, or of the filtered data view



Overview Certificate Management

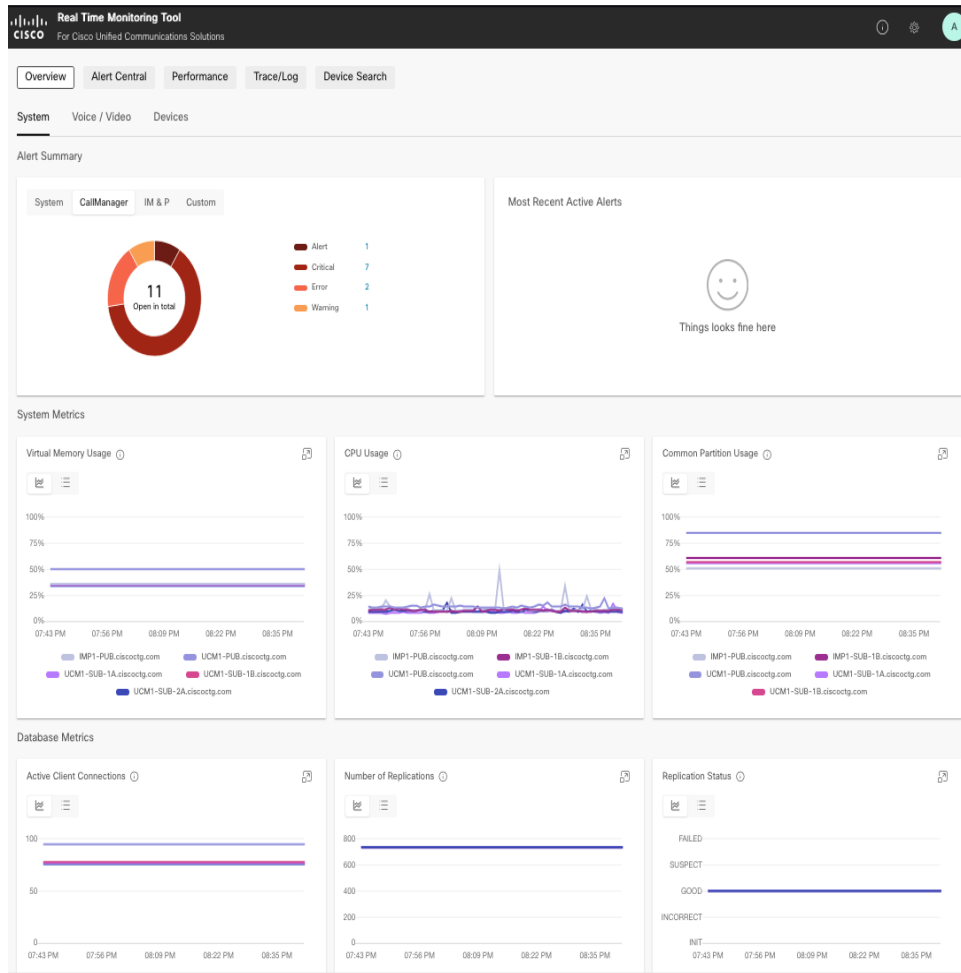


- Single place to view, manage and distribute certificates of CUCM, IM&P, Unity and CER across multiple clusters and trust stores
- Centralized certificate actions – CSR generation, upload, renew, download, copy, replace, remove, etc.
- Quick dashboard to view expired or expiring soon certificates
- Certificate insights – out of compliance warnings with profiles
- Multi-cluster listing with certificate summary for each cluster and detailed view of identity certificates and trust stores.
- Notification settings for certificate expiration
- Jobs tab to view certificate actions in progress and history of actions taken in the past
- Define certificate profile with various settings and assign certificate profile to cluster

Web RTMT Overview

New tool that simplifies and enhances the administration and troubleshooting experience.

- Unified Web-based interface to monitor the real-time behavior of your system components, configure alerts to take suitable action in CUCM, IM&P and Unity Connection.
- Available via Operations Dashboard to troubleshoot and collect logs per cluster or node basis.
- No dependency on Java and OS/Browser platform.
- The data displayed remains on-prem.
- Cloud upgradeable via Cloud-Connected UC.



Prerequisites

Cloud-Connected UC

UC infrastructure minimal versions

Cisco UCM, IM&P, Unity and CER: 11.5(x), 12.0(x), 12.5(x), 14
COP file to be installed except with release 12.5(1)SU4+ and 14

Network port requirements

TCP Port 443 outbound to the Webex®

Configure firewall to allow access to the following URLs:

- *.ucmgt.cisco.com
- *.webex.com

Network proxy support

Unauthenticated and authenticated http proxies are supported

Onboarding flow is triggered by a "full admin" in Control Hub, who should preferably (but not necessarily) also be an "OS admin" for the UC nodes, so they can install COP file (if needed) for CCUC agent

See [CCUC System Requirements](#) and [CCUC Network Requirements](#)

Cloud migrations are easy

Updates & Migrations

Update to the new Webex

The screenshot displays the Webex Control Hub interface. On the left is a navigation sidebar with sections: Overview, Alerts center, MONITORING (Webex Experience, Analytics, Troubleshooting, Reports), MANAGEMENT (Users, Workspaces, Devices, Apps, Account, Organization Settings), and SERVICES (Updates & Migrations, Messaging, Meeting, Calling). The 'Updates & Migrations' section is highlighted. The main content area features four migration cards, each with a 'Get Started' button. The cards are: 1. 'Migrate Jabber to the new Webex' (cloud icon), 2. 'Migrate Calling from on-prem UCM to Cisco Webex Cloud' (phone icon), 3. 'Migrate Enterprise phones to Multiplatform (MPP) firmware' (chip icon), and 4. 'Migrate Personal Contacts to Webex App' (contacts icon). Each card includes a 'How this works' section with a list of steps. At the bottom left, a card for 'Acme Inc.' is partially visible.

webex Control Hub

Overview
Alerts center
MONITORING
Webex Experience
Analytics
Troubleshooting
Reports
MANAGEMENT
Users
Workspaces
Devices
Apps
Account
Organization Settings
SERVICES
Updates & Migrations
Messaging
Meeting
Calling
Acme Inc.

Migrate Jabber to the new Webex
Enable Jabber users with Unified CM calling for Webex app.
How this works
✓ Enable messaging via Webex app. (Only applies to users with Unified CM calling).
✓ Auto assign user with calling behavior and UC manager profile.
✓ Continue using calling on your enterprise.
Get Started

Migrate Calling from on-prem UCM to Cisco Webex Cloud
Move your users, numbers, phones and Jabber messaging to Webex.
How this works
✓ Transform and import your UCM configuration to Webex Calling.
✓ Enable users with Webex app for messaging and Webex Calling.
✓ Automate phone migration license creation and delivery.
✓ Auto-register your devices to Webex Calling.
Get Started

Migrate Enterprise phones to Multiplatform (MPP) firmware
Convert and assign your Enterprise phones to existing Webex users/workspaces.
How this works
✓ Automate phone migration license creation and delivery.
✓ Auto-register your devices to Webex calling.
Get Started

Migrate Personal Contacts to Webex App
Move any personal contacts saved on your user's Jabber contact list.
How this works
✓ Encrypted personal contacts will be migrated for users already added to Webex.
Get Started

Acme Inc.

Cisco Cloud Collaboration

Trusted quality and reliability



99.99%

Committed uptime



Security

Built from the ground up



Geo-Redundancy

Data centers in every region

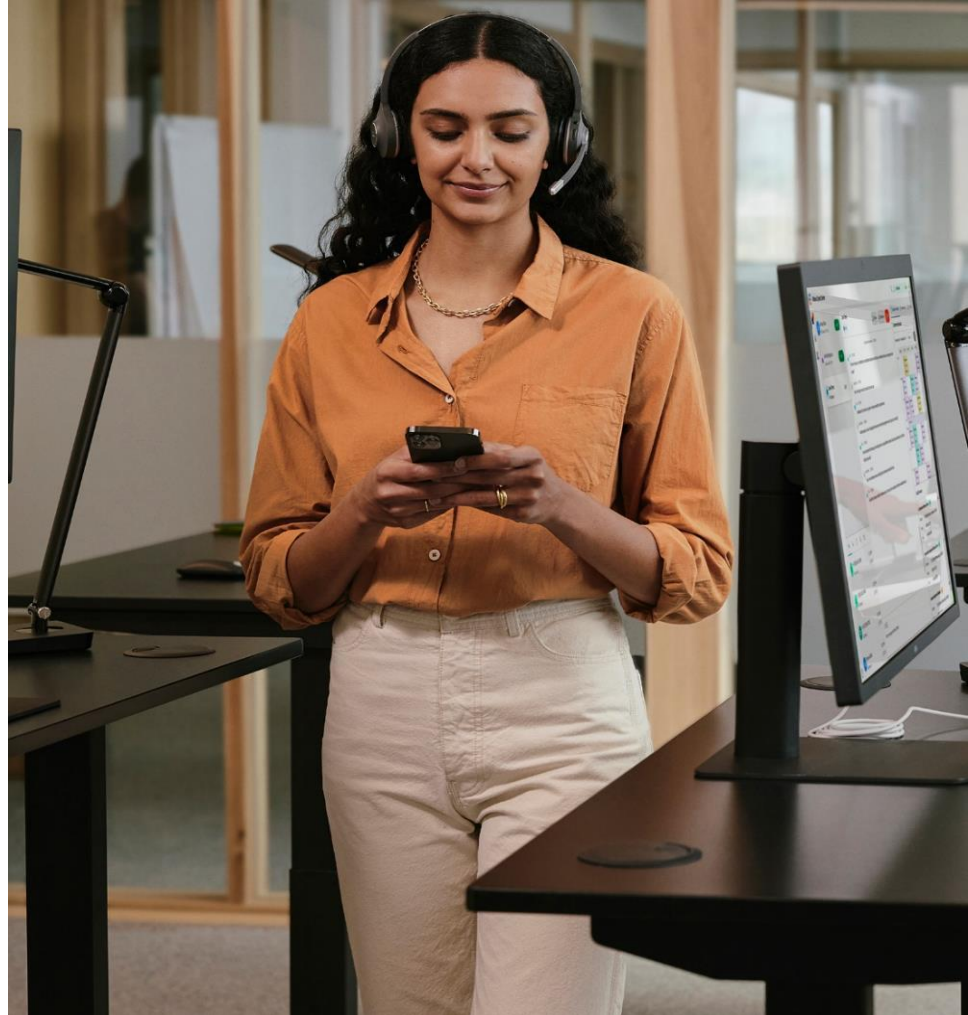


Global support

Operations

CISCO *Live!*

** Our *actual* uptime
performance: 99.999%



Webex Calling

- Enterprise-grade calling features
- Easy-to-use, secure, and reliable
- Flexible migration to cloud
- Unparalleled global coverage
- Centralized management and administration via Control Hub
- Multiple deployment options



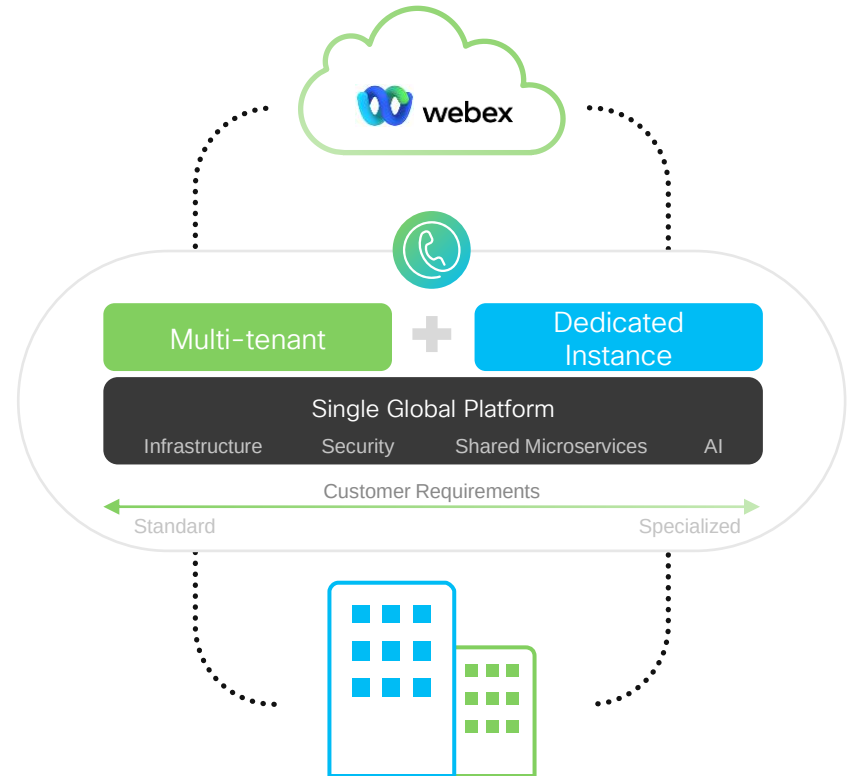
Webex Calling - Architecture



- Global cloud calling platform
- Centralized administrative experience from the cloud
- Multi-tenant and Dedicated Instance platforms pre-integrated for call routing interoperability
- Flexibility to provision users across multi-tenant and Dedicated Instance as needed, to best address cloud calling business needs
- Flexible PSTN options
- Multiple network connectivity options to fit enterprise of various sizes
- Webex App for a unified end-user experience

Dedicated Instance for Webex Calling

- Dedicated cloud instance
- Based on CUCM
- Integrated into Webex Calling leveraging Webex platform services
- Delivers cloud innovation / enhanced experience for customers who need
 - Support for older Cisco endpoints
 - Local survivability
 - Existing business integrations and workflows
- Extends familiar features and calling capabilities for customers who want to preserve their UCM experience

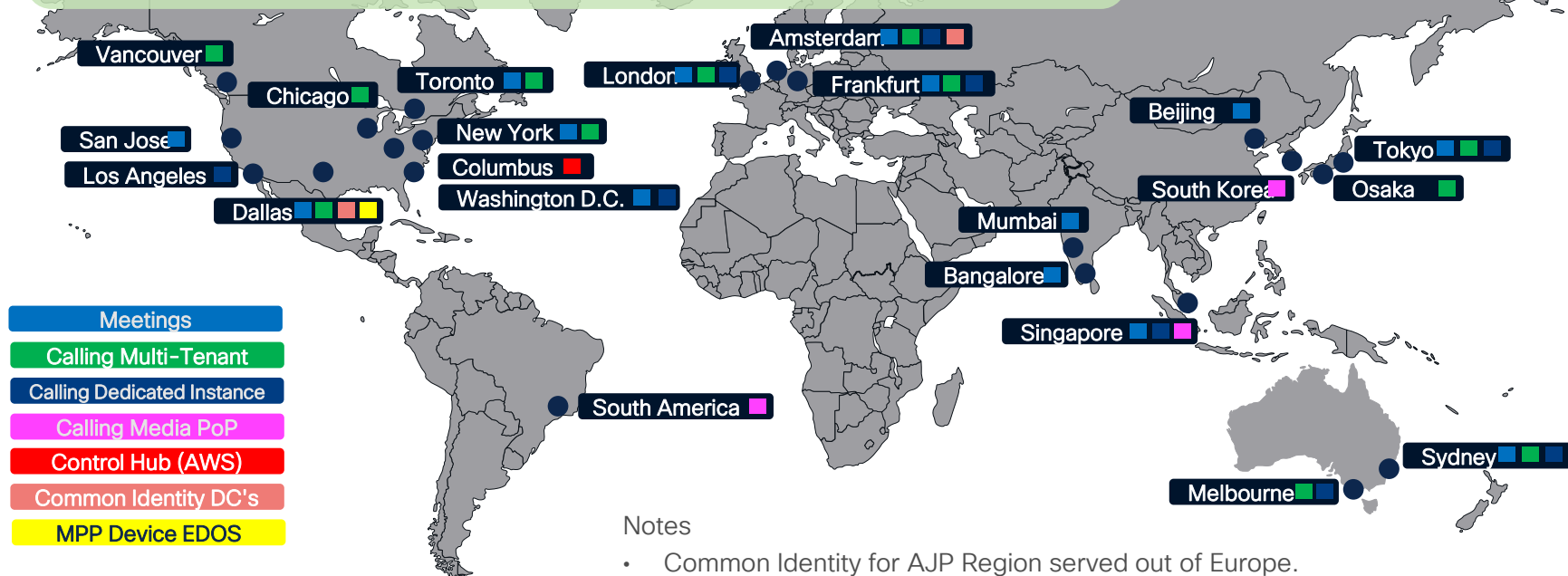


Global availability

Webex Global Data Center Footprint

Enterprise
performance

Global platform offers services to multinational customers from a single region
Global backbone purposely designed for audio and video transport Low
loss 100+ Gigabit interconnectivity with multiple redundant paths



Notes

- Common Identity for AJP Region served out of Europe.
- Cities with multiple services may have these services across multiple DC's

Learn more: [Global availability overview](#)

CISCO *Live!*

Available globally

Learn more:

[Global availability overview](#)

[Webex Help Center](#)

Enterprise
performance



135+ supported markets around the globe



Commercially available
in seven currencies



Customer UX/UI provided
in 30+ languages*



Partner support services
provided in 9 languages

*Control Hub admin portal

Service restrictions in India

The Webex Calling partner is responsible for the regulatory compliance of its customers

Cisco would not require a license from India regulators to provide service from Webex Calling APJC data centers.

1. Logical partitions enabled for on-net calling (to adhere to India toll-bypass regulations)
2. For International OSP's, a copy of CDRs and system logs must be available at the International OSP premise based in India. Additional DoT guidelines for OSPs: [LINK](#)

All logical partitioning letters can be requested via these URLs:

- Non-Service Provider: [LINK](#)
- Service Provider: [LINK](#)



Service restrictions in China

The Webex Calling partner is responsible for the regulatory compliance of its customers

The following analysis applies if Cisco® sold direct to a customer. The same analysis could be applied by partners.

Cisco would not require a license from Chinese regulators provided that:

1. Sale is to multinational customers headquartered outside of China for use in branch offices in China.
2. Sales or marketing is not targeted at customers based in China, rather, we sell and market to multinationals who use the service globally.
3. Data transmission capacity is not provided (PSTN, leased circuits, etc.) in connection with the offer
4. Does not operate from a data center or other infrastructure located in China.

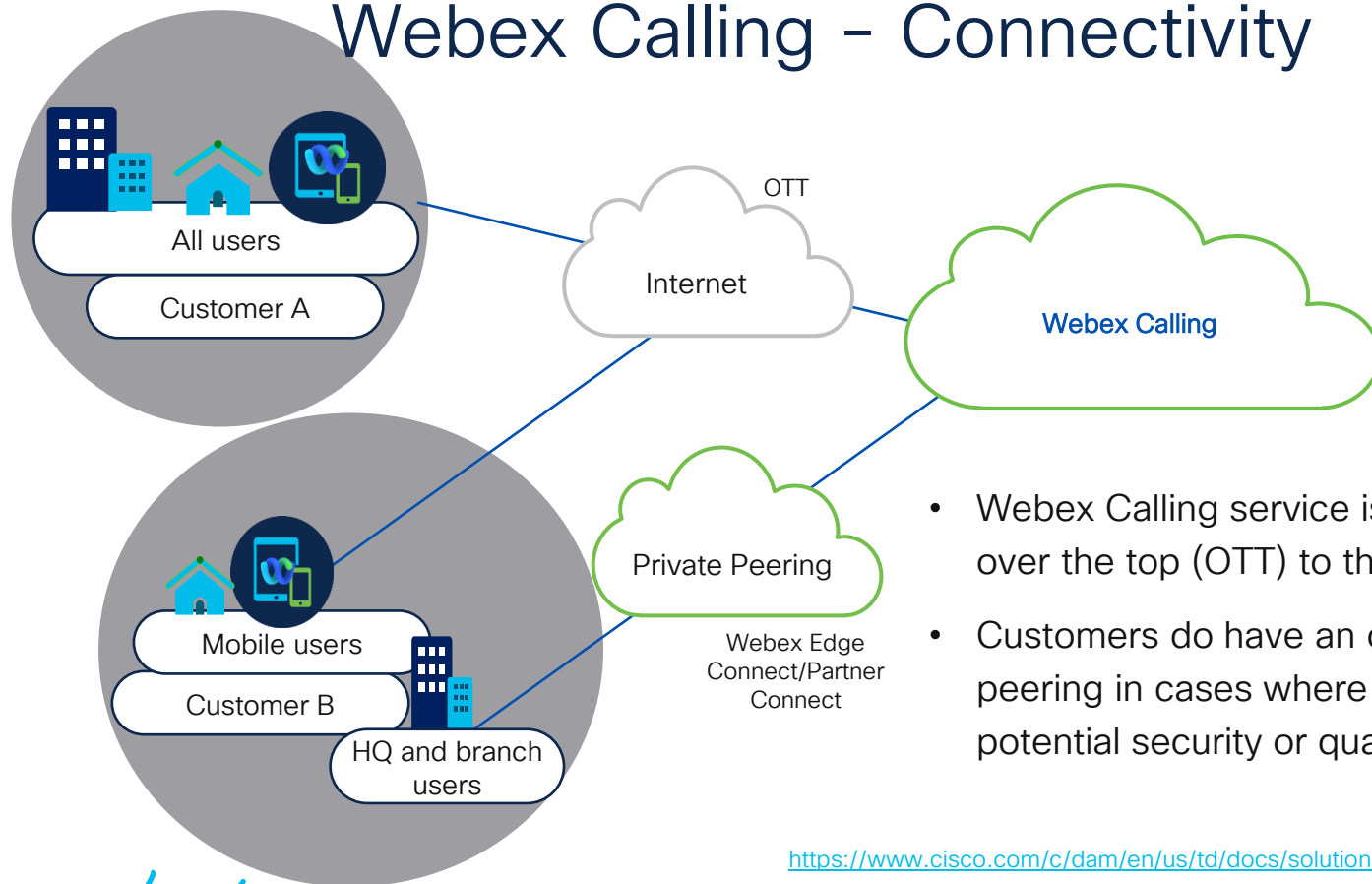
Our Chinese counsel confirms that the regulator would conclude this does NOT constitute providing a Telecom Service if the criteria listed above is met.



Peering Considerations

Cloud Calling Design

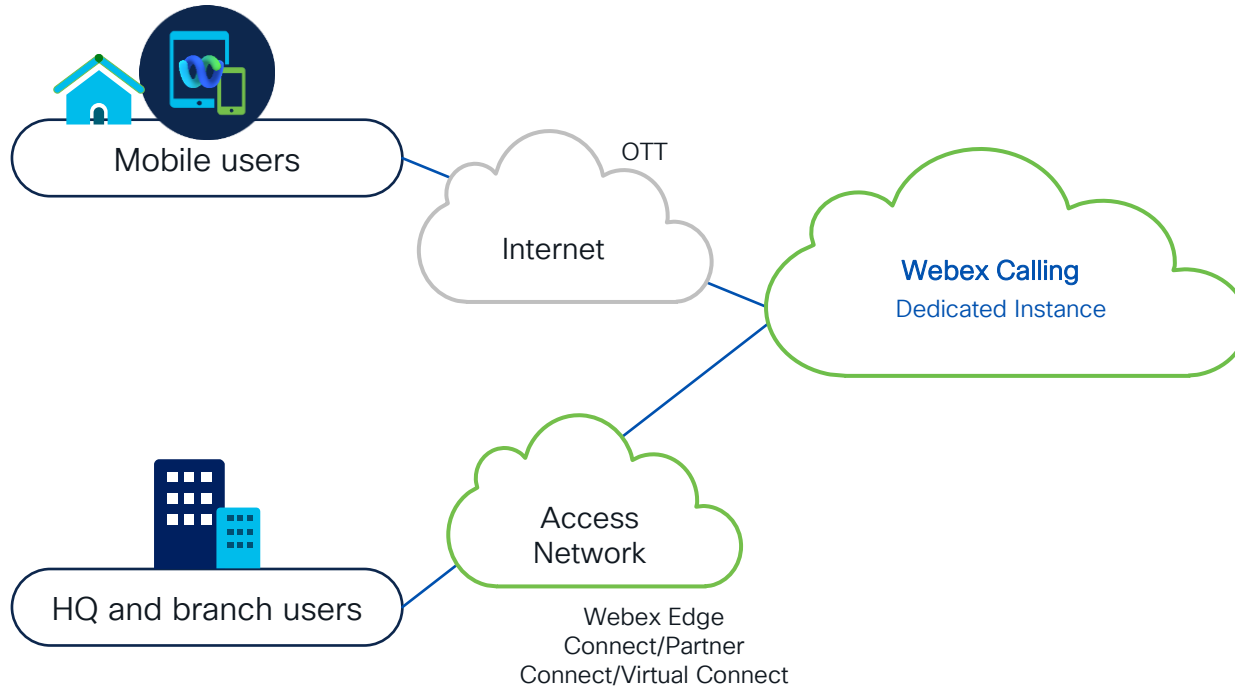
Webex Calling - Connectivity



- Webex Calling service is primarily delivered over the top (OTT) to the customer
- Customers do have an option to go a private peering in cases where they want to address potential security or quality concerns

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Collaboration/cloud/PA-PNC.pdf>

Dedicated Instance - Connectivity

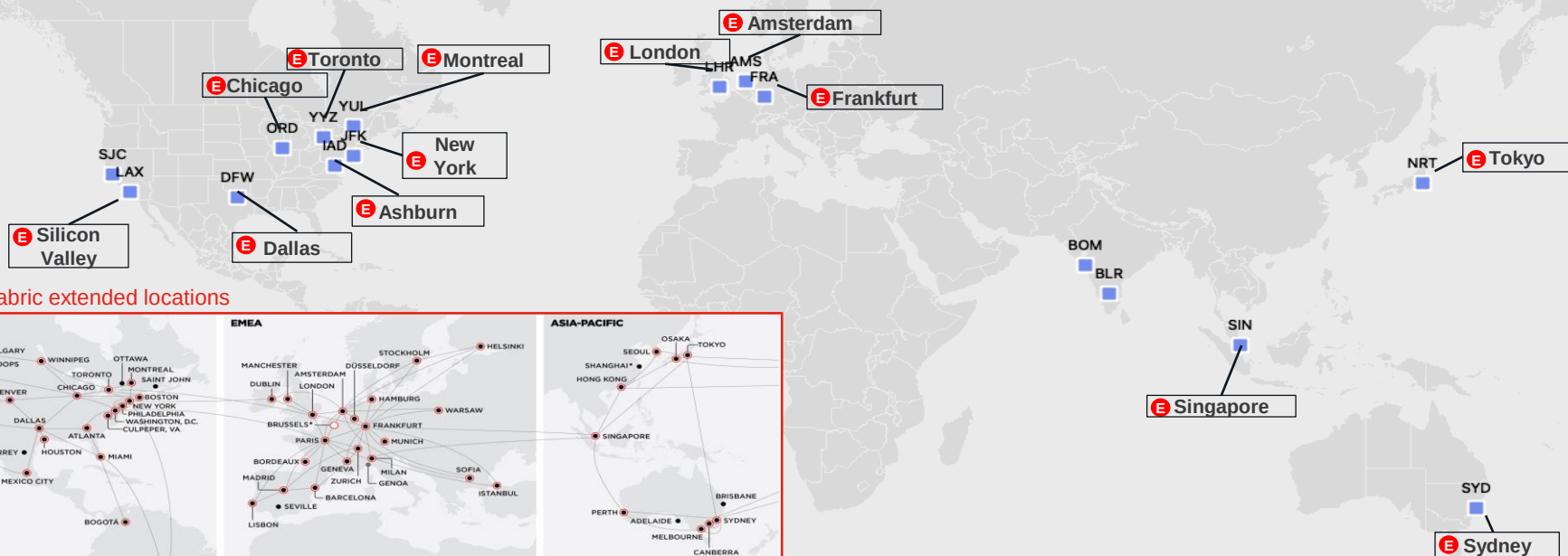


- Dedicated Instance service is primarily delivered over a private connection to the customer premises
- Connection requires peering via Webex® Edge Connect, or Partner Connect, or Virtual Connect
- OTT access is included to service mobile and remote workers (MRA)
- Peering is required in each geographic region where service is provided to customers

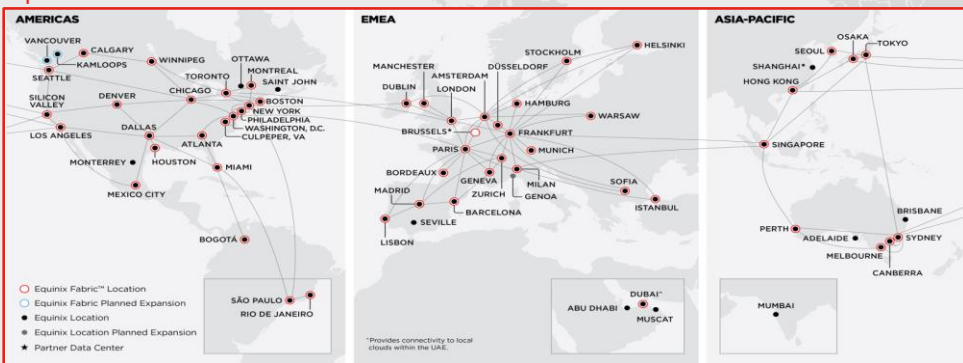
Webex Edge Connect Data Center locations

Webex Cloud Exchange Connectivity

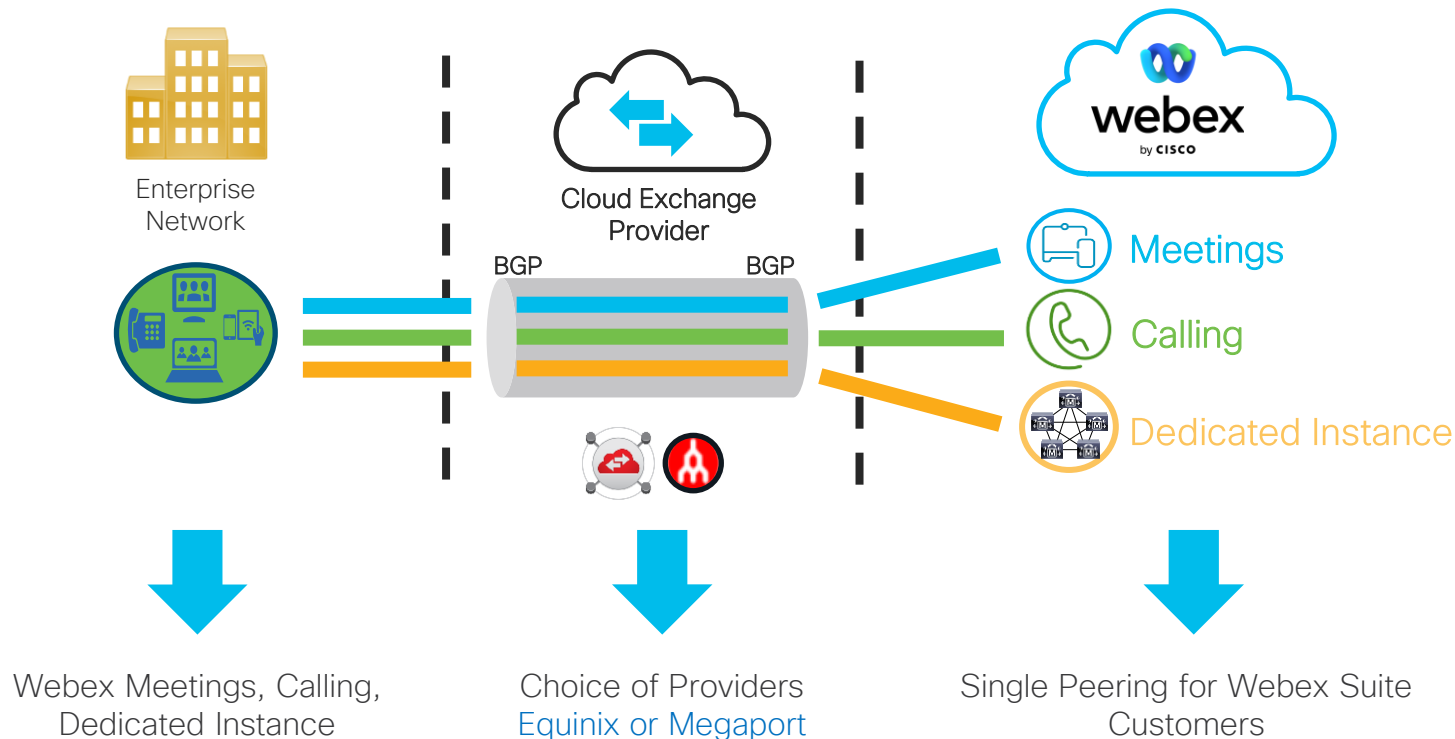
E Equinix Fabric



Equinix Fabric extended locations

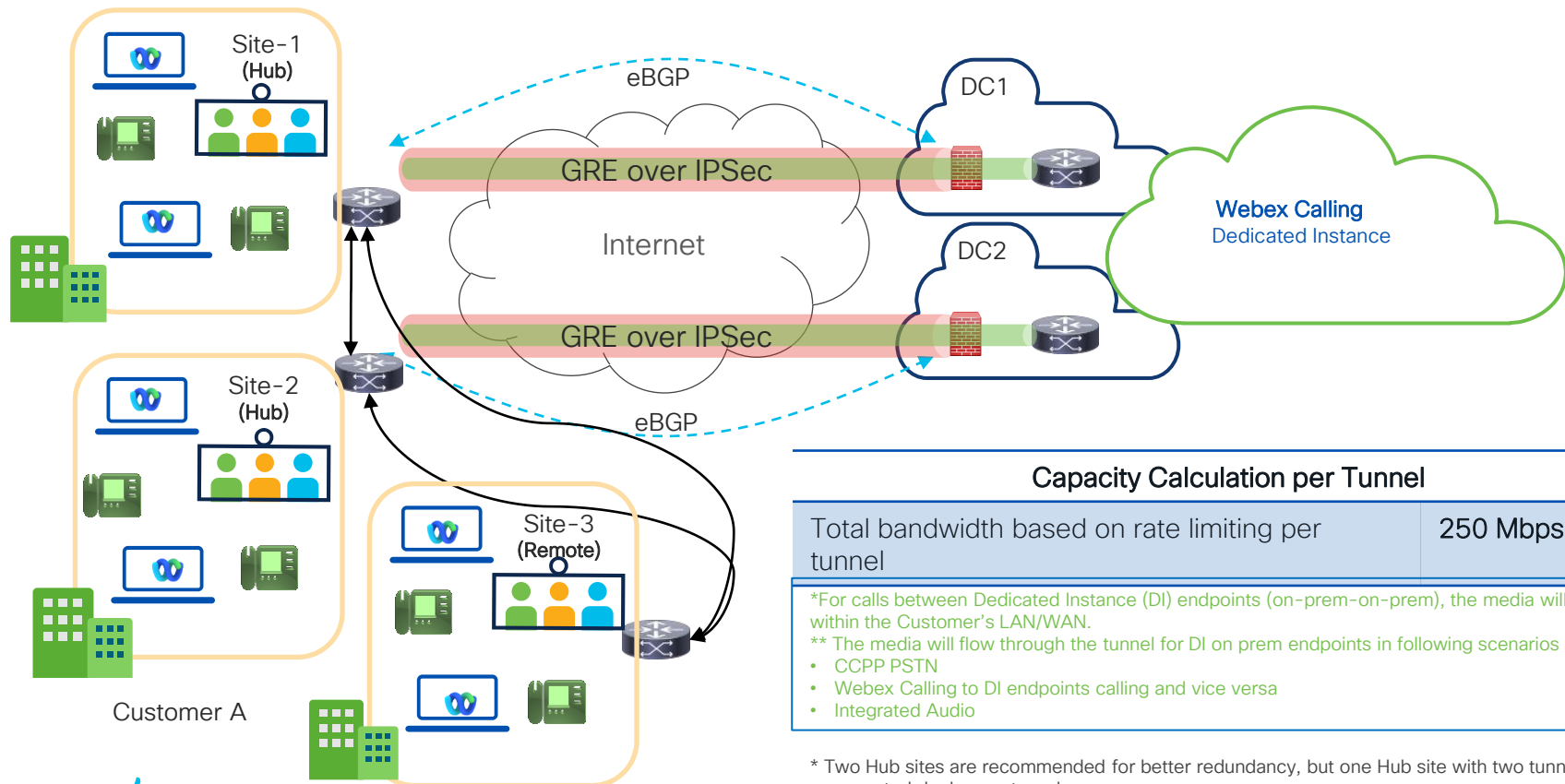


Edge Connect – New Connectivity Offerings



**** Leveraging Webex Edge for optimal performance- BRKCOL-2096 ****

Dedicated Instance Virtual Connect



Capacity Calculation per Tunnel

Total bandwidth based on rate limiting per tunnel	250 Mbps
---	----------

*For calls between Dedicated Instance (DI) endpoints (on-prem-on-prem), the media will flow within the Customer's LAN/WAN.

** The media will flow through the tunnel for DI on prem endpoints in following scenarios

- CCPP PSTN
- Webex Calling to DI endpoints calling and vice versa
- Integrated Audio

* Two Hub sites are recommended for better redundancy, but one Hub site with two tunnels is also a supported deployment mode

PSTN Considerations Cloud Calling Design

Flexible PSTN options

Cisco Calling Plans

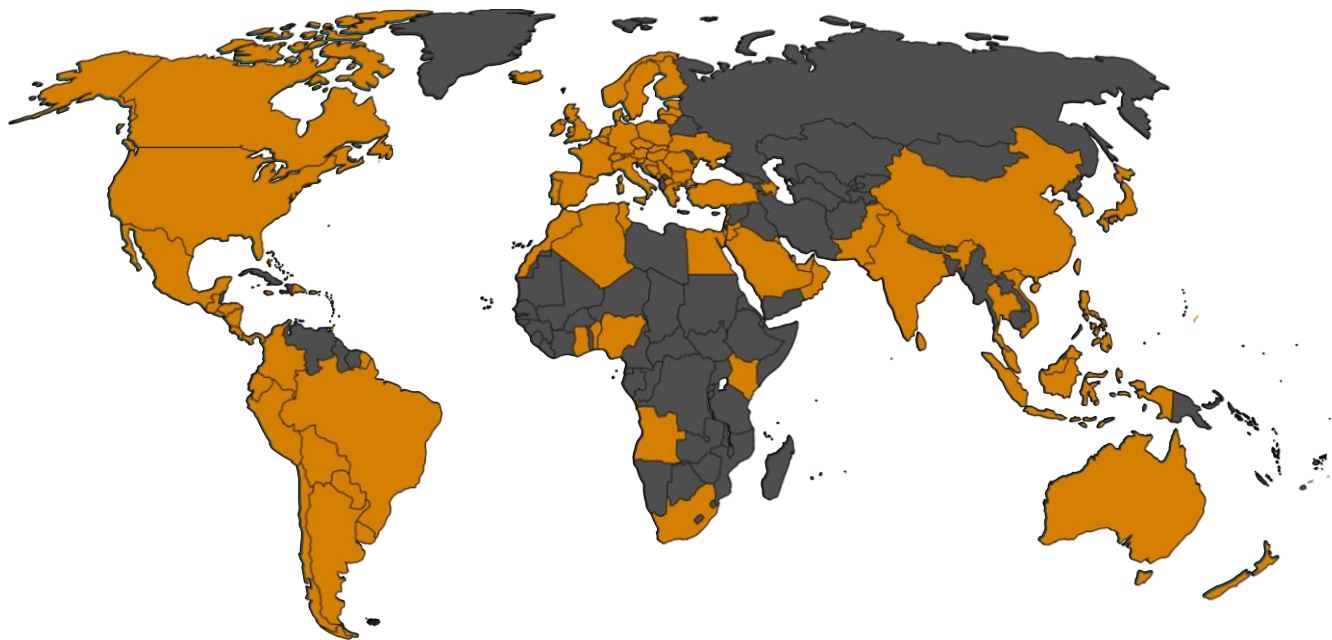
19 countries with more coming soon

Cloud Connected PSTN

65+ countries Cisco-certified providers

Local gateway

117+ countries BYOC



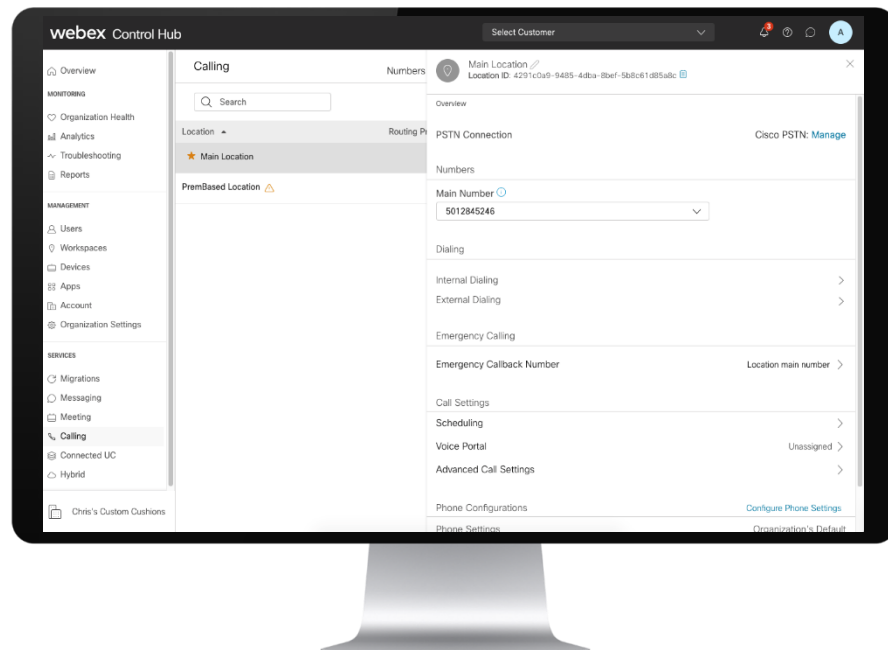
<https://help.webex.com/en-us/article/nousk9ab/Get-Started-with-the-Cisco-Calling-Plan>

<https://www.webex.com/products/calling-global-availability.html>

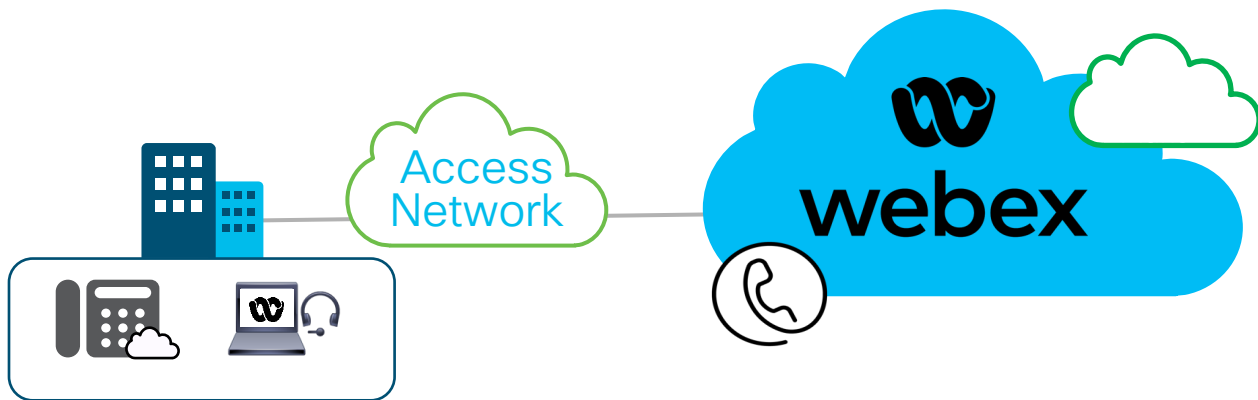
PSTN Flexibility

Global coverage, optimized for cost and quality

- Support multiple PSTN providers
- Define PSTN providers at the location level
- Centralized management with Control Hub



Webex Calling PSTN: Cisco Calling Plan



- Webex Calling Multi-Tenant only
- PSTN access integrated in the Webex® Calling cloud
- Single offer thru Cisco or Partner and simply provisioned in Control Hub

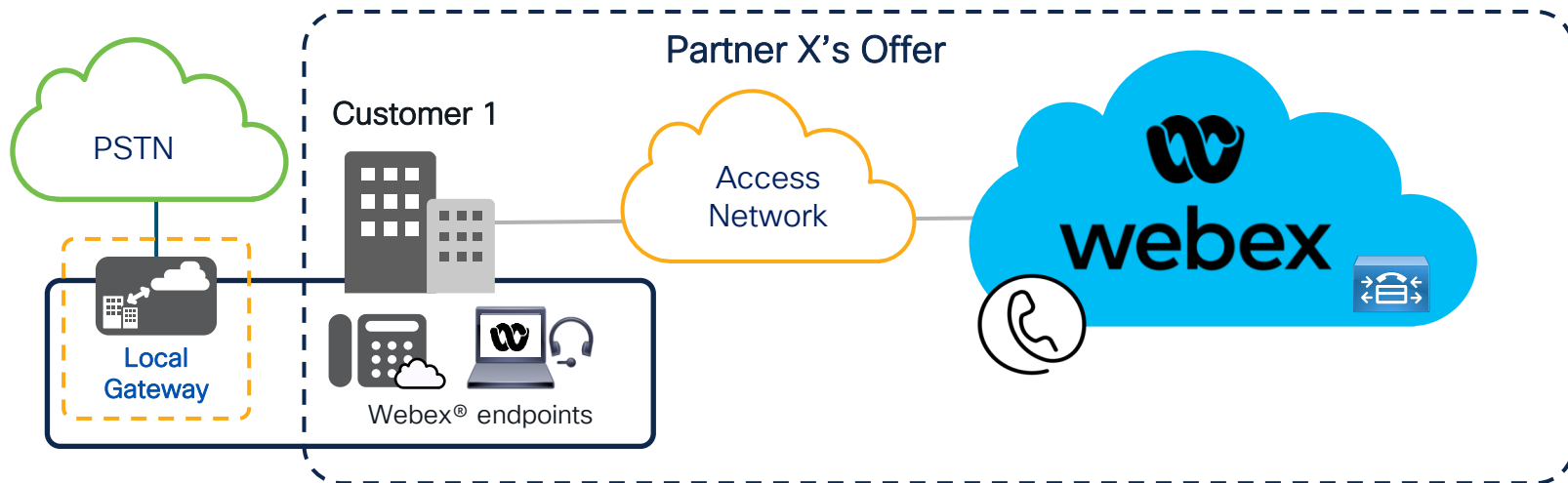
Webex Calling PSTN: Cisco Connect



- PSTN access through peering with a selection of Cloud Connected partners integrated into the Webex® Calling cloud
- Partner helps enterprise procure and provision PSTN
- Available to service providers who serve customers with locations outside of their PSTN footprint

Webex Calling PSTN option:

Local Gateway PSTN through customer premises

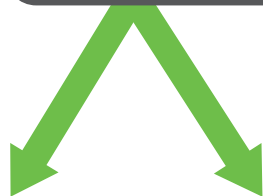


- PSTN access through a **Local Gateway** device at the customer site and the customer's PSTN service (SIP Trunk, PRI, etc.)
- PSTN service **decoupled** from Webex Calling service

Local Gateway Platform Support

Local Gateway (LGW)

Recommended – Latest of IOS-XE 16.12/17.3 recommended for all LGW deployments.



CUBE



IOS-XE GW

Cisco CUBE (for IP-based connectivity) or
Cisco IOS Gateway (for TDM-based connectivity)

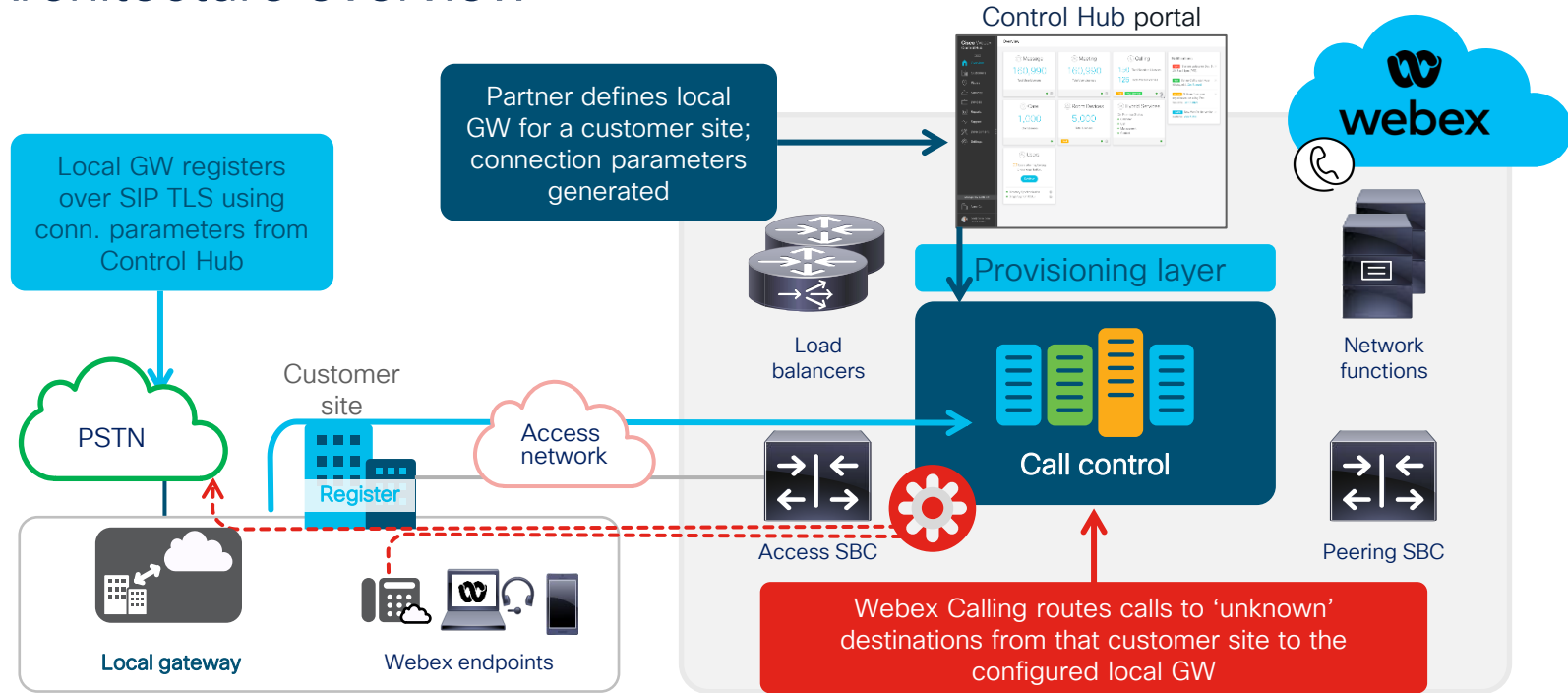
Hardware and software requirements:

- ISR 4321, 4331, 4351, 4431, 4451, 4461 (IOS XE 17.3.2)
- vCUBE in AWS
- Catalyst 8300 series (IOS XE 17.3.2)
- CSR 1000v (vCUBE) (IOS XE 16.9(6) and 16.12.4 or later) –
 - CSR 1000v licenses are not included in Webex Calling Flex and need to be purchased separately
 - Estimate 200 kbps total data throughput for every audio call
- ISR 1100 (IOS-XE 16.12.4 or later)



CUBE as a local gateway

Architecture overview

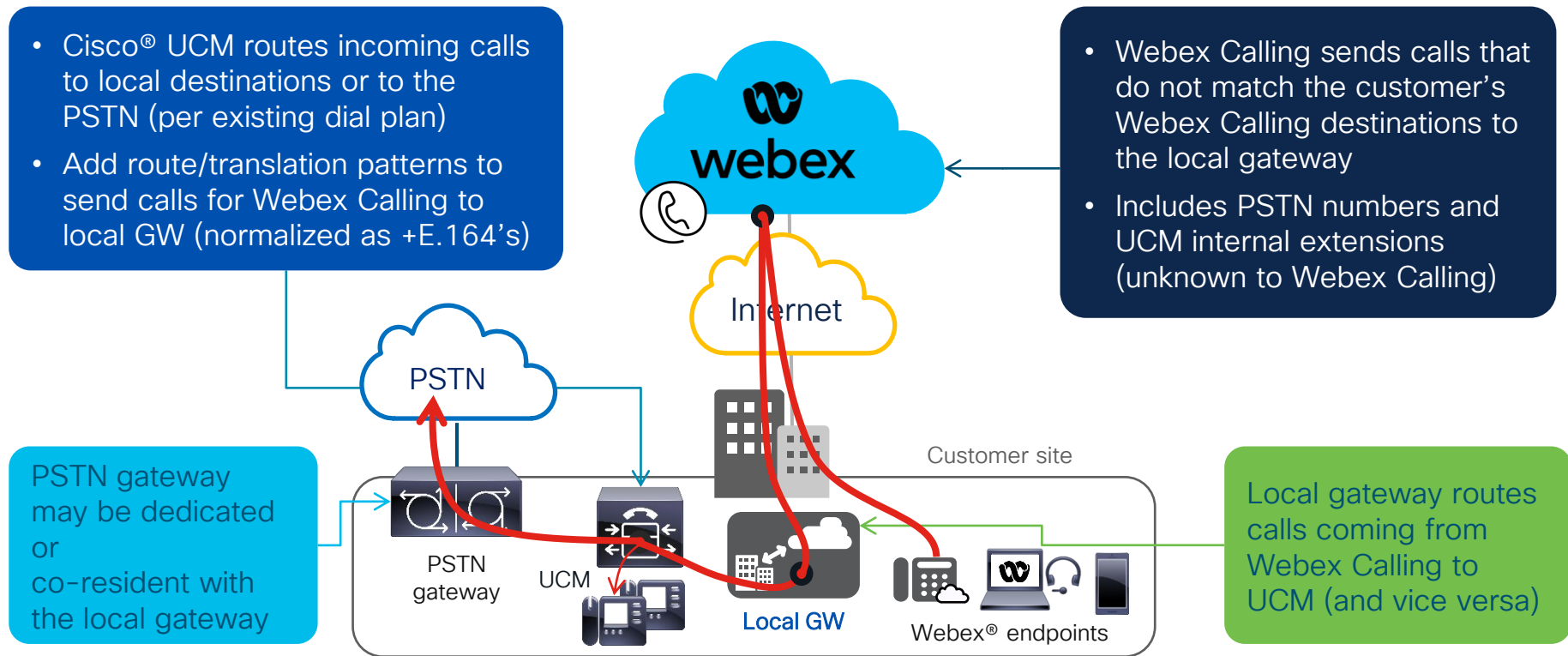


Call routing

With an IP PBX/CUCM

- Cisco® UCM routes incoming calls to local destinations or to the PSTN (per existing dial plan)
- Add route/translation patterns to send calls for Webex Calling to local GW (normalized as +E.164's)

- Webex Calling sends calls that do not match the customer's Webex Calling destinations to the local gateway
- Includes PSTN numbers and UCM internal extensions (unknown to Webex Calling)

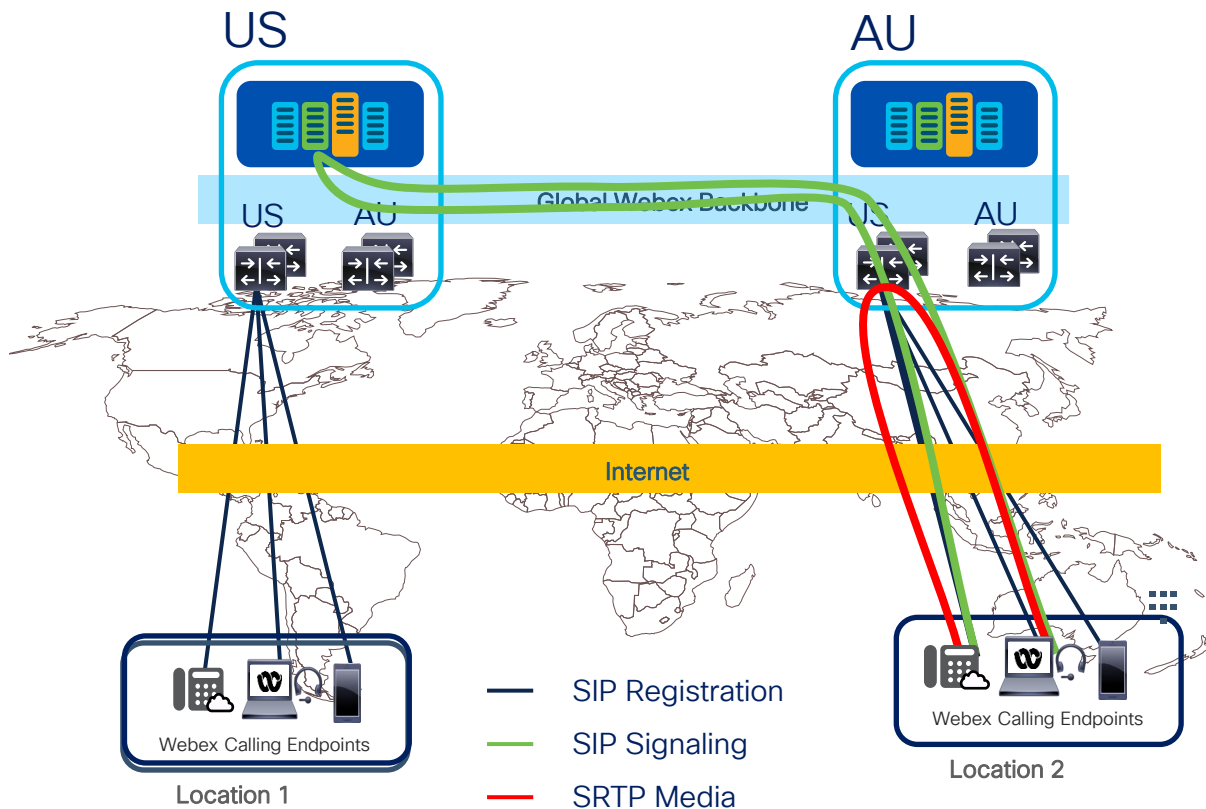


PSTN gateway may be dedicated or co-resident with the local gateway

Local gateway routes calls coming from Webex Calling to UCM (and vice versa)

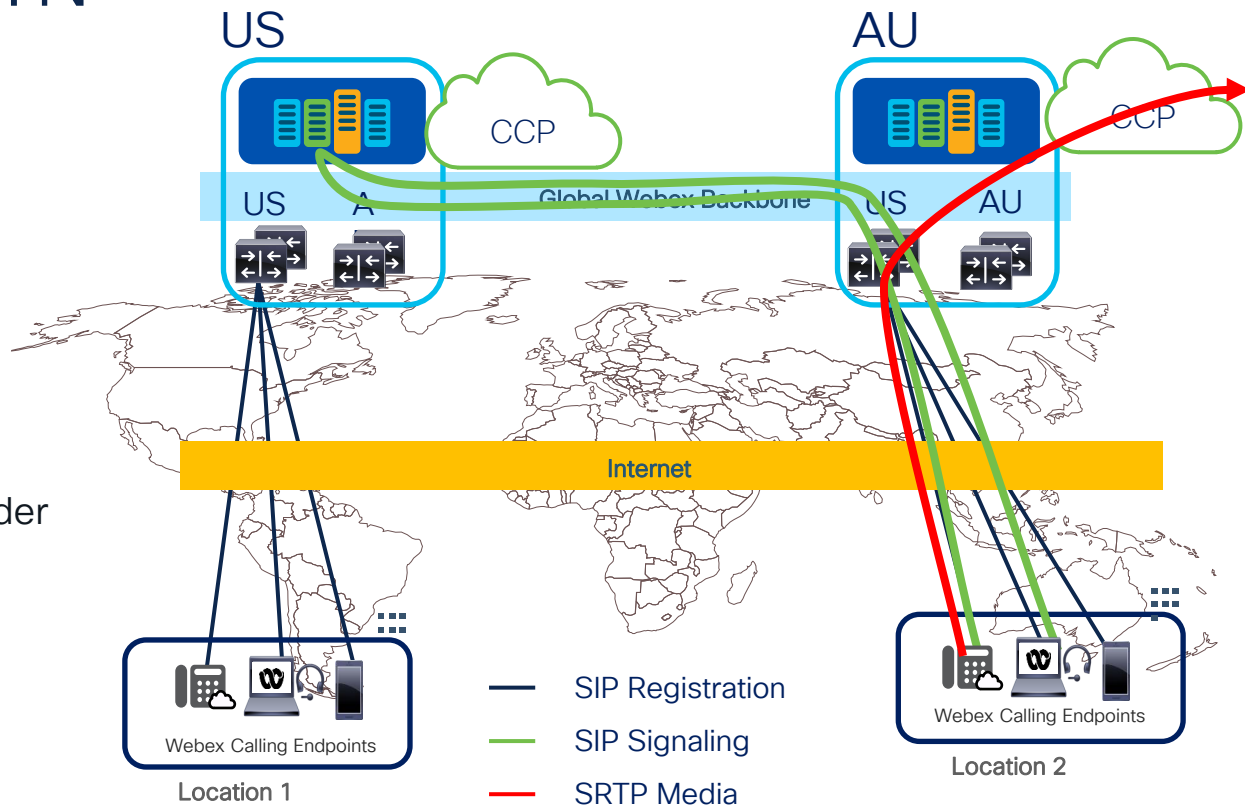
Multi-region customer: Regional media

- Access SBC presence in other regions
- In-region registration
- In-region media
- Signaling still inter-region
- Cut-through delay might still occur
- Media RTT not a factor



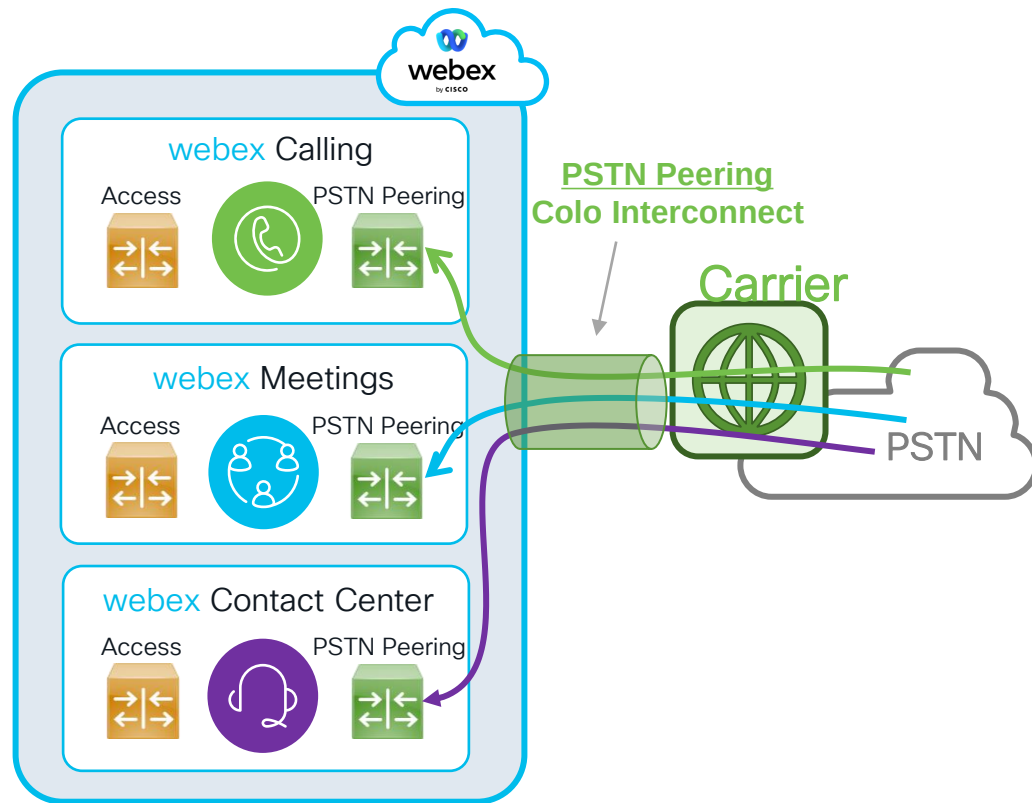
Multi-region customer: Regional media for Cloud Connected PSTN

- Locations in home region can use all CCP providers available in home region
- New: locations in remote region can now use CCP providers available in remote region
- PSTN media traffic stays within region if CCP provider in remote region is used

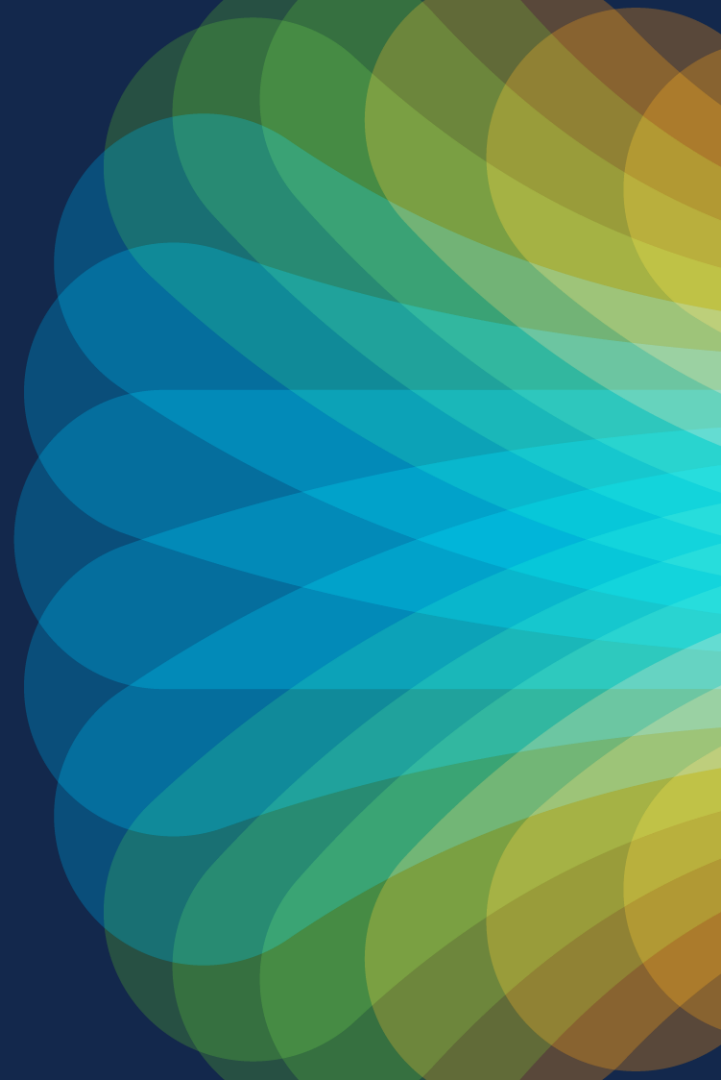


Network Peering: PSTN Peering (Future)

- Shared colo cross-connect across Calling, Contact Center, Meetings
- Single colo cross-connect will provide access to all services



Administration



Control Hub



Integrated



Complete lifecycle



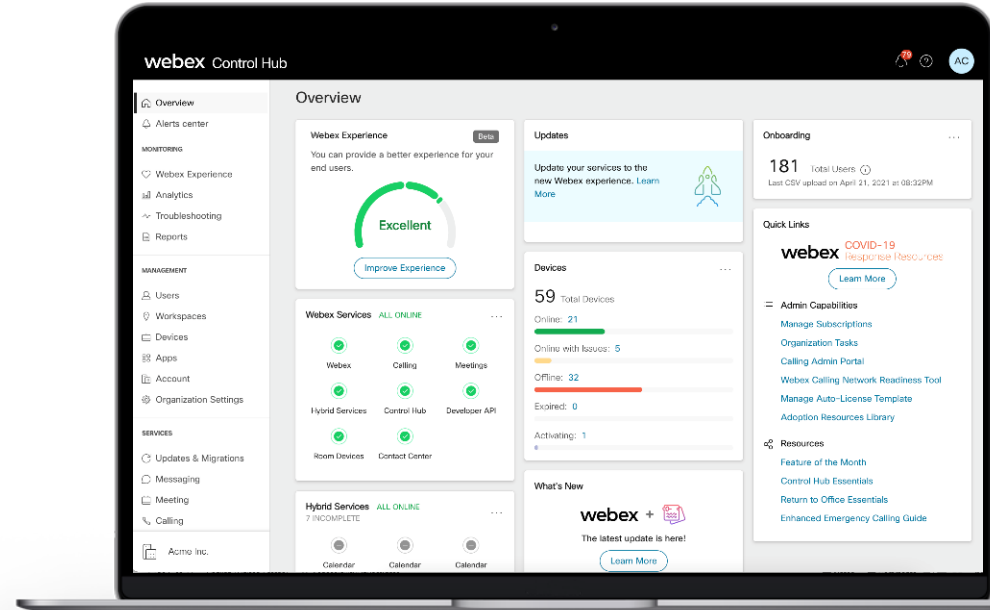
Realtime insights



Supports full Webex portfolio



Simple



Control Hub for collaboration management and analytics – BRKCOL-2689

Enabling exceptional control of your service

• Calling Analytics

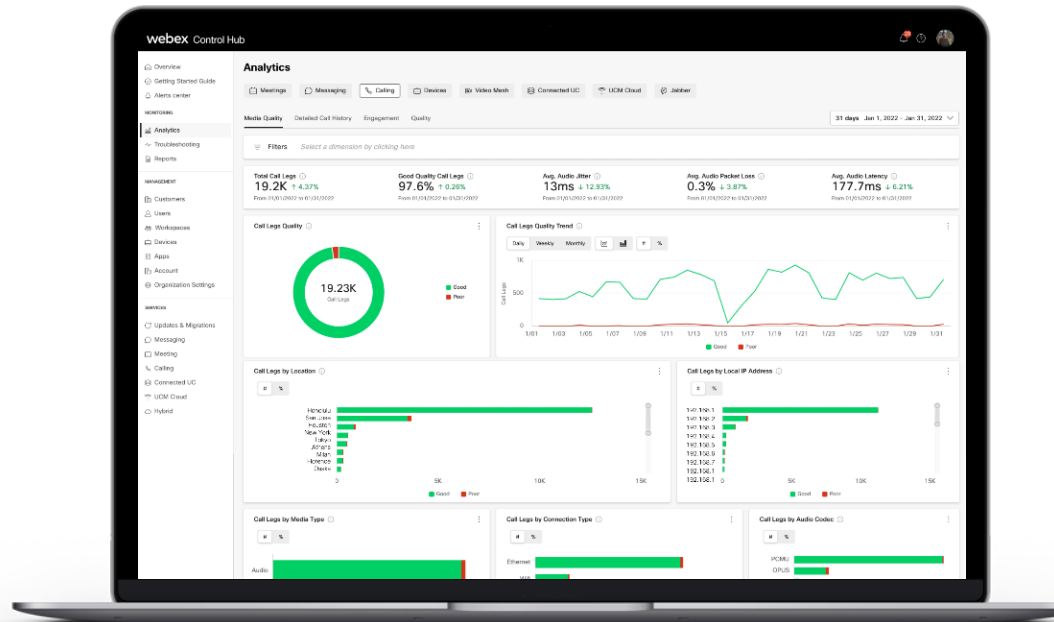
- New dashboard for insight into call quality
- View global KPIs to monitor call quality across your organization
- Live charts and graphs show call quality by location, IP, device type, codec, and more
- Apply filters to identify the root of call quality issues

• Detailed call history

- New dashboard for a holistic view of every call made
- Reports can be exported or accessed via API

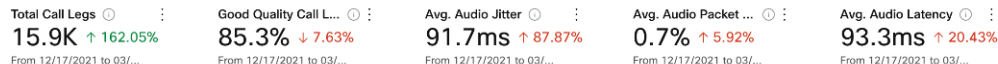
• Call troubleshooting

- Inspect individual calls to determine issues on call media on either end of the call



Calling Analytics

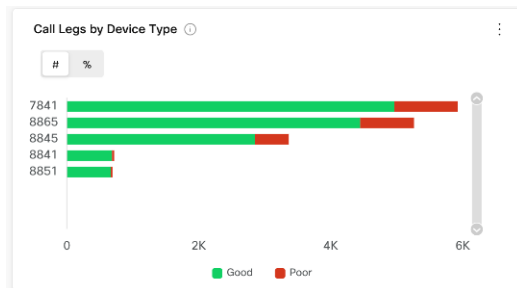
Provide a consistent, high quality calling experience across your organization



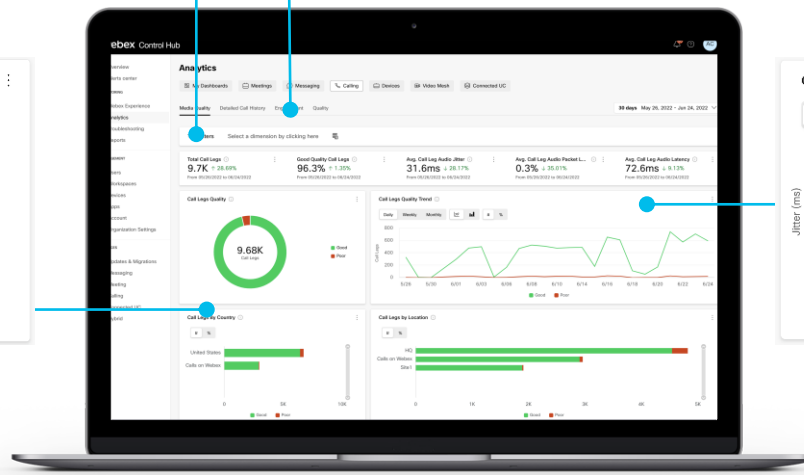
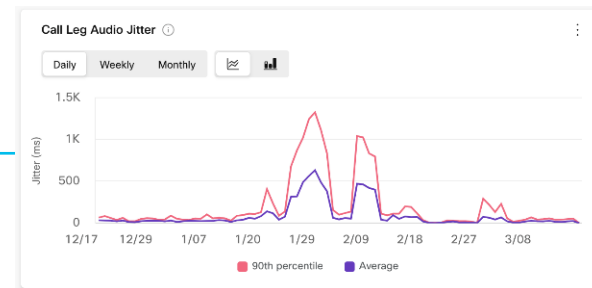
Monitor global call quality KPIs

Filters Local IP Address = 192.168.1 X Device Type = 7841 X Audio Codec = OPUS X

Easily drill down into data with filters, from the filters bar, or any chart



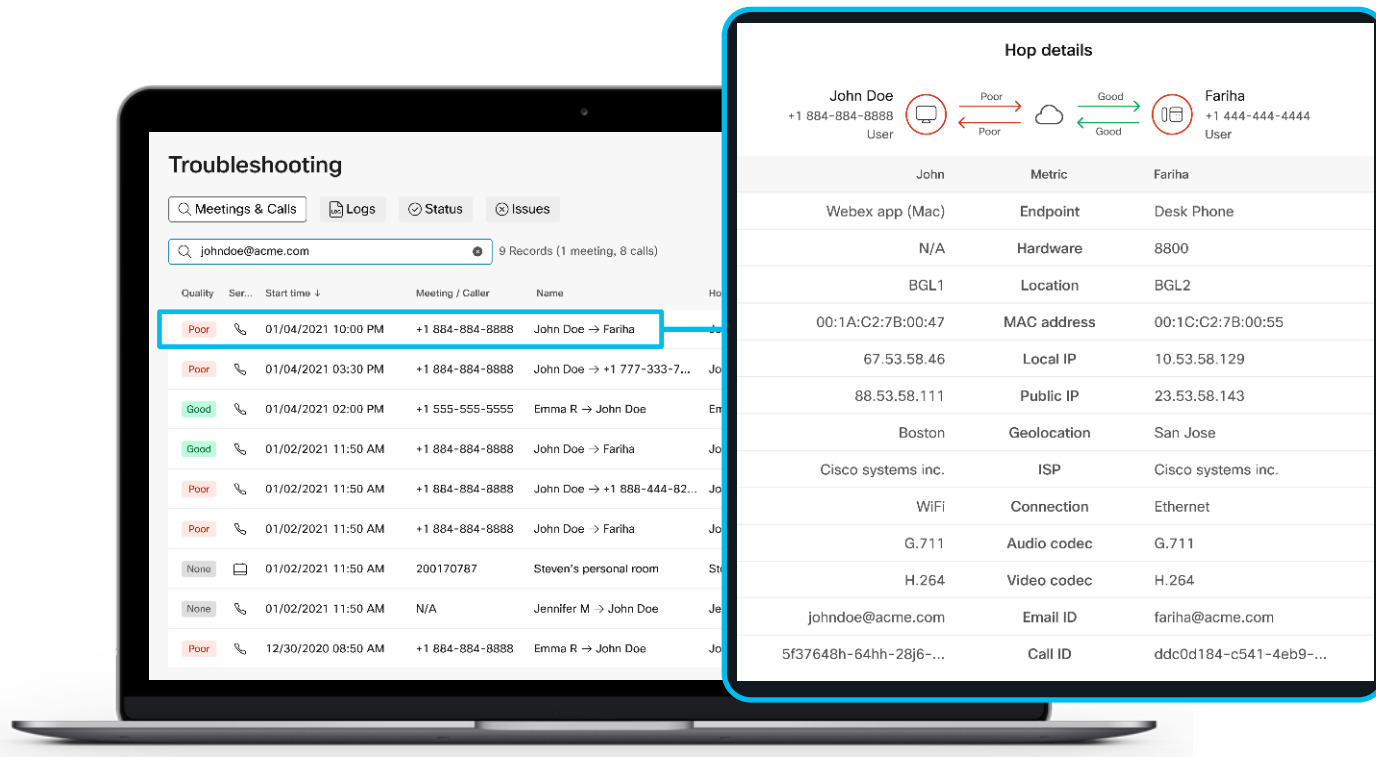
See call quality detail by location, IP, media, path optimization, connection, codec, endpoint, IP phone type, and country



See call quality, jitter, packet loss, latency trends over time

Call quality troubleshooting

Quickly identify and resolve call quality issues

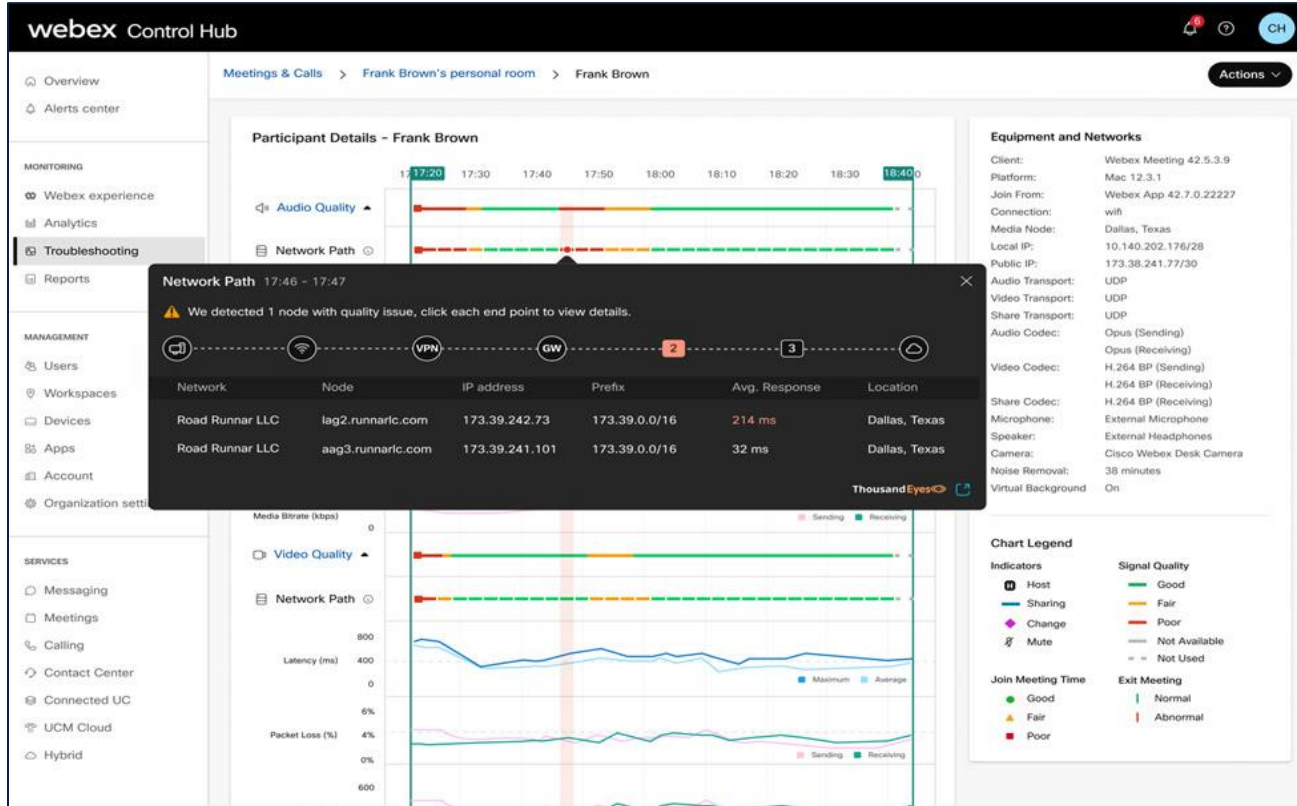


Troubleshooting tool provides admins with:

- Capability to find calls with poor-call quality
- Information about both sides of the call and the network in between

Thousand Eyes for Webex Calling

Coming Soon for
Calling!



Dedicated Instance – Analytics features

Quality Metrics

- Call success, failures, quality and metrics
- Filter packet loss, jitter & latency

Feature Adoption

- Heat map for call/mid-call features and UC features

Asset Usage and Inventory

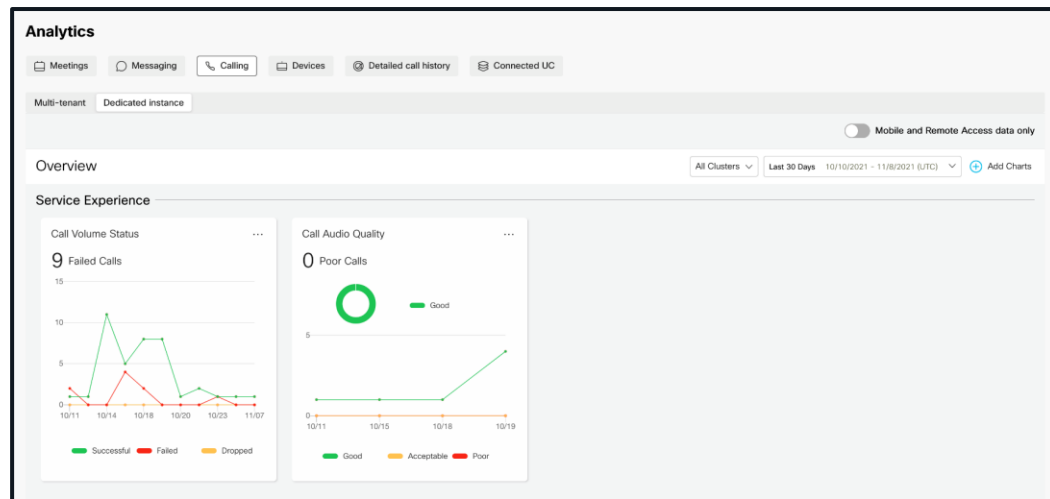
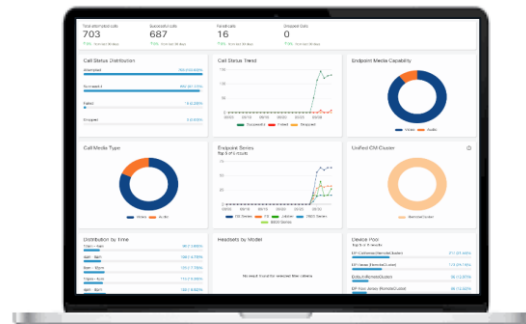
- Number of calls, talk time and messages
- Endpoint & headset usage

Engagement Analytics

- View calling across the organization, Call numbers & call minutes
- Daily, Weekly, Monthly views
- View endpoint, soft-client, and headset usage
- Region/Cluster-based filtering available for analytics

Capacity Analysis

- Trunk and route utilization



Security built-in, not bolted on

Reliability

Fault-tolerant architecture and geo-redundant deployment

Physical security

15 data centers
8 countries | SSAE 16
and ISO 27001-audited

Audit and compliance

ISO 27001:2013 and
NIST 800-5 compliance

Data protection

Program is compliant with
international regulatory organizations

Product security

Secure software development
lifecycle approach

Communications security

Demilitarized zone (DMZ), firewalls,
intrusion detection system, AATA
encryption, Transport Layer
Security

Automatic updates

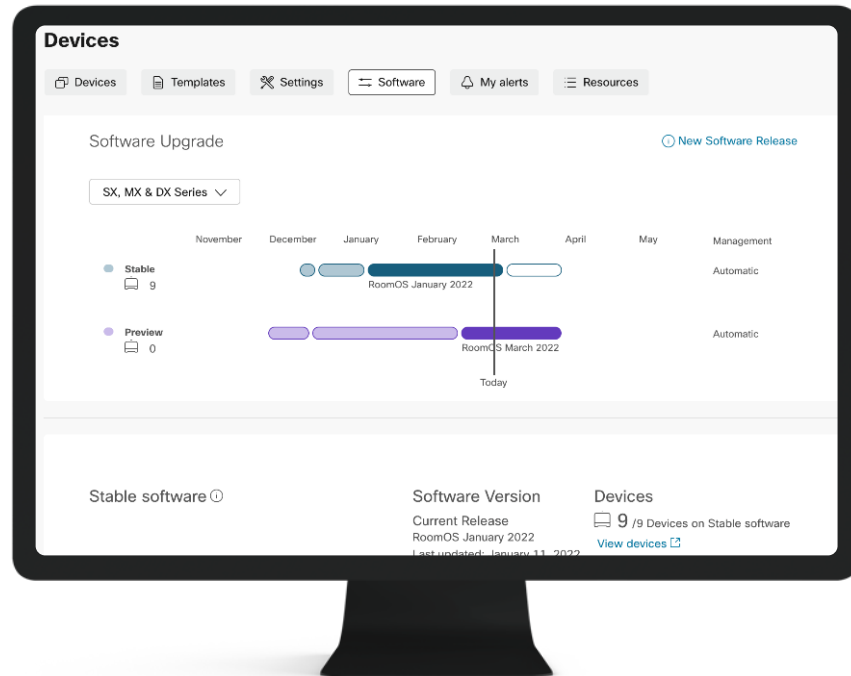
Intelligent devices automatically
updated with latest secure firmware

Fraud detection

Real-time fraud
detection mechanism

Anti-malware

Integrated anti-malware scanning in
the Webex App

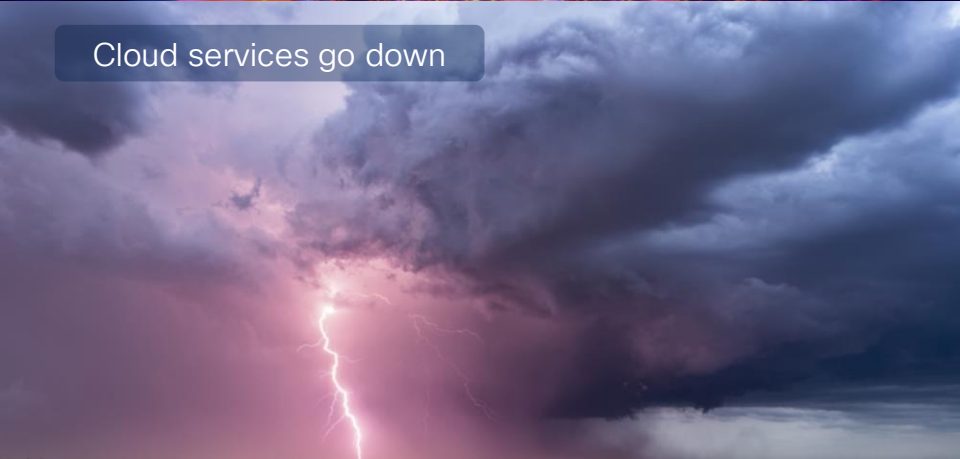


Survivability Multi-Tenant

Why site survivability for a cloud calling service?



Networks go down



Cloud services go down

- Calling traffic becomes more critical during emergencies
- Having continuous communications channels accelerates recovery
- Need to remain “open for business”

Survivability – Internet

As with any cloud service, internet connectivity is key

Suggested ways for internet redundancy

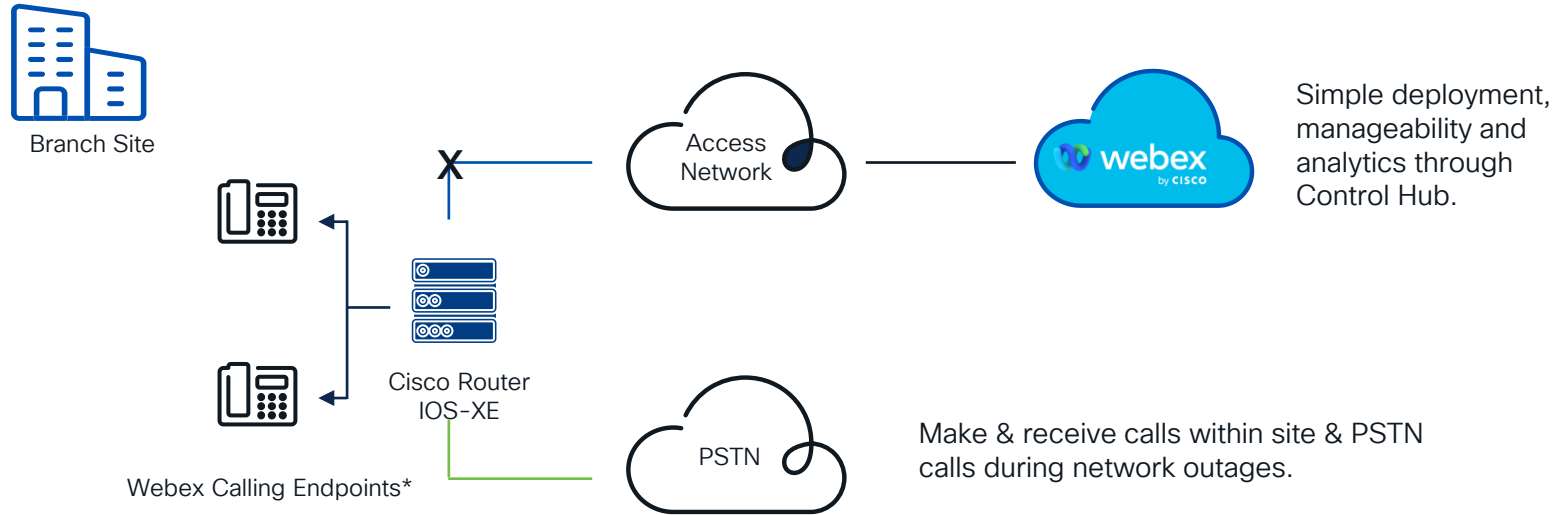
- Redundant internet links to organization
- Cellular failover in routers
- Decentralized Internet Access
 - Secure Direct Cloud Access



<https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/cisco-sdwan-secure-direct-cloud-access-deploy-guide.html>

Webex Calling - site survivability

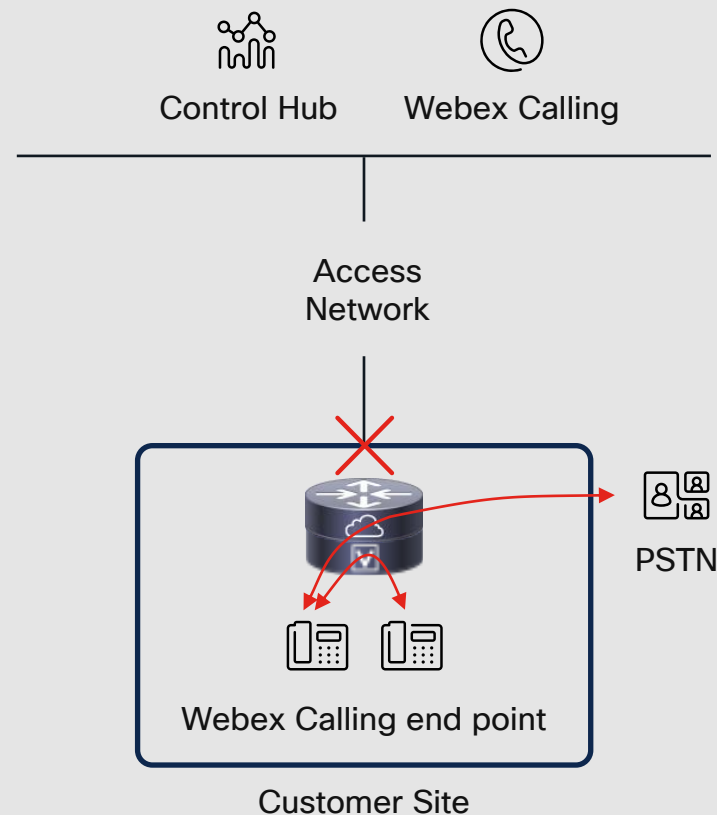
Continue calling even during internet outages with PSTN survivability



Solution Overview

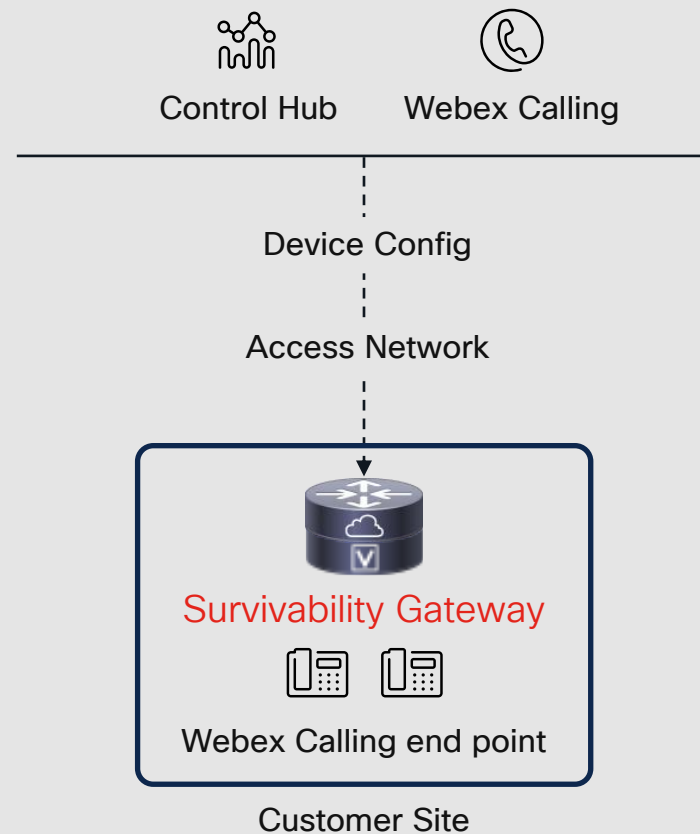
- Webex Calling Site Survivability
- A Survivability Gateway is installed on site
- Gateway is managed, gets configuration details from Control Hub
- In the event of a network outage:
 - Internal/external calls routed via the gateway
 - Emergency calls are routed via the gateway
 - Mid-call and other calling features available

The Survivability Gateway is built on the IOS XE Survivable Remote Site Telephony (SRST) solution, allowing customers to migrate existing hardware, licensing and configurations to their Webex Calling solution. (On the ISR or Virtual Routers)



How it works

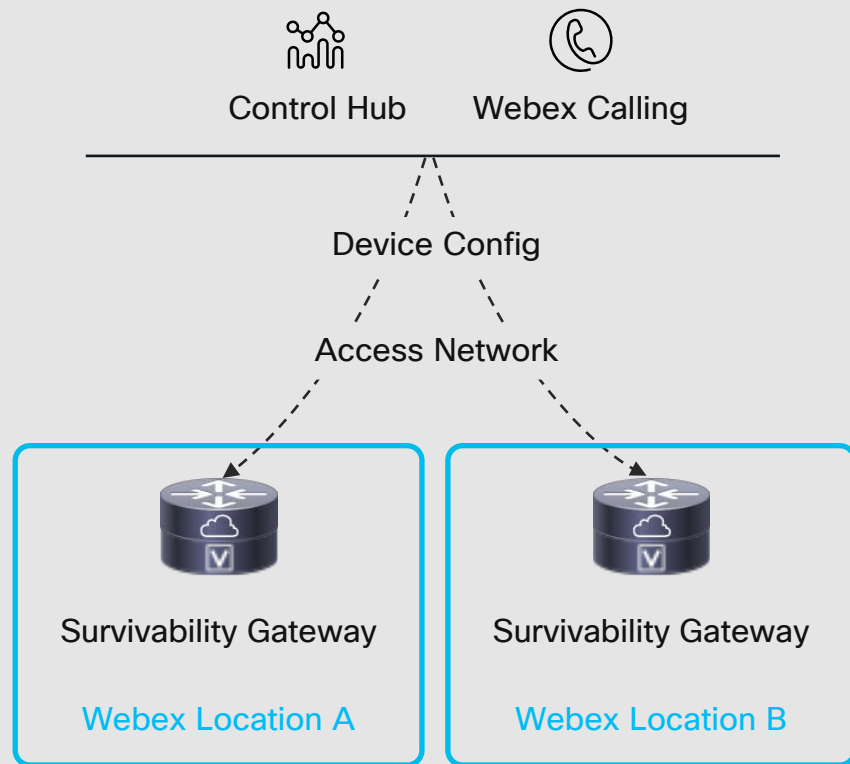
- The Webex Calling Survivability Gateway
- The Survivability Gateway is provided with a set of user account details in advance
- A connector agent connects the gateway with Control Hub, to ensure config data is always up to date
- Authentication and extension number mapping details are automatically downloaded from Control Hub, to validate device connectivity
- A public certificate is used to secure configuration data transfer and device registration



Survivability zones

- Survivability sites are aligned with “locations” in Webex Calling
- Each Survivability Gateway is associated to a specific location (1:1)
- All supported devices added to that location are configured to use that gateway, in the event of an outage
- The Survivability Gateway is automatically provisioned with registration details for users/devices for its location
- No manual assignment of users to a survivability zone is required

Survivability Gateway support for multiple locations is planned for a future release.



Supported call features

Feature	Comments
Intra-site extension calling	For supported endpoints. Alternate numbers & virtual extensions not supported
PSTN Calling Inbound/Outbound	Using either a direct PSTN circuit or SIP trunk
E911 Call Handling	Calls use specific registered ELIN for defined ERLs with Operator callback
Call Hold and Resume	MOH files manually provisioned on the SGW
Call Transfer Attended	Supported
Call Transfer Blind	Supported
Outbound Caller ID (Name & Number)	Supported
Inbound Caller ID (Name & Number)	Supported
Point to Point Video Calling	Supported
Shared Call Appearance	For simultaneous call presentation only

Endpoint support

Type	Model	Launch	Roadmap
Desk Phones	6821, 6821, 6841, 6851, 6861, 6861 Wi-Fi, 6871	✓	
	7811, 7821, 7841, 7861	✓	
	8811, 8841, 8851, 8861	✓	
	8845, 8865	✓	
	8875		✓
Conference Phones	7832, 8832		✓
Wireless Phones	840, 860		✓
ATA	ATA 191, ATA 192		✓
VG400	VG400, VG420		✓
DECT	DECT 6800 Series		✓
Room OS Devices	Webex Calling Registered devices		✓
Webex App	Windows, Mac	✓	
	iOS, Android		✓
Third Party Devices	Various		✓

Compatible platforms

17.9.3

Fully supported from IOS XE

Model	Max Registrations
Integrated Services Router 4321	50
Integrated Services Router 4331	100
Integrated Services Router 4351	700
Integrated Services Router 4431	1200
Integrated Services Router 4451-X	2000
Integrated Services Router 4461	2000
Catalyst Edge 8200L-1N-4T	1500
Catalyst Edge 8200-1N-4T	2500
Catalyst Edge 8300-1N1S-6T	2500
Catalyst Edge 8300-2N2S-6T	2500
Catalyst Edge 8300-1N1S-4T2X	2500
Catalyst Edge 8300-2N2S-4T2X	2500
Catalyst Edge 8000V Software – Small Configuration	500
Catalyst Edge 8000V Software – Medium Configuration	1000
Catalyst Edge 8000V Software – Large Configuration	2000

Survivability Dedicated Instance

Webex Calling Survivability

Calling is always available,
even when the cloud is not

SRST

Provides basic remote site survivability for telephony, but lacks access to all features and integrations during network outages

Advanced Requirements

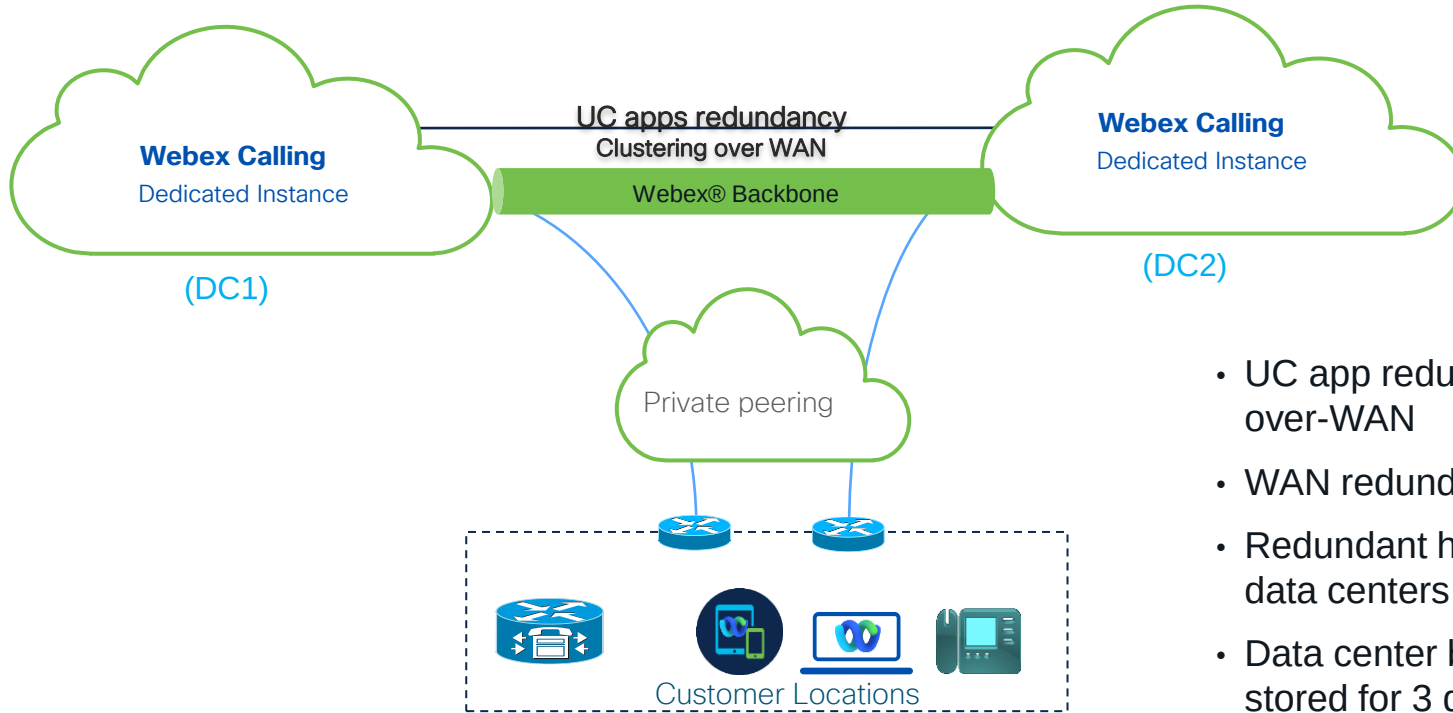
Some vertical markets, like Healthcare, deem calling as mission critical and require comprehensive redundancy options

Comprehensive Redundancy

Enhanced Survivability for Dedicated Instance supports all call-flows, features & integrations with an on-prem node in case of a complete loss of cloud access

Dedicated Instance

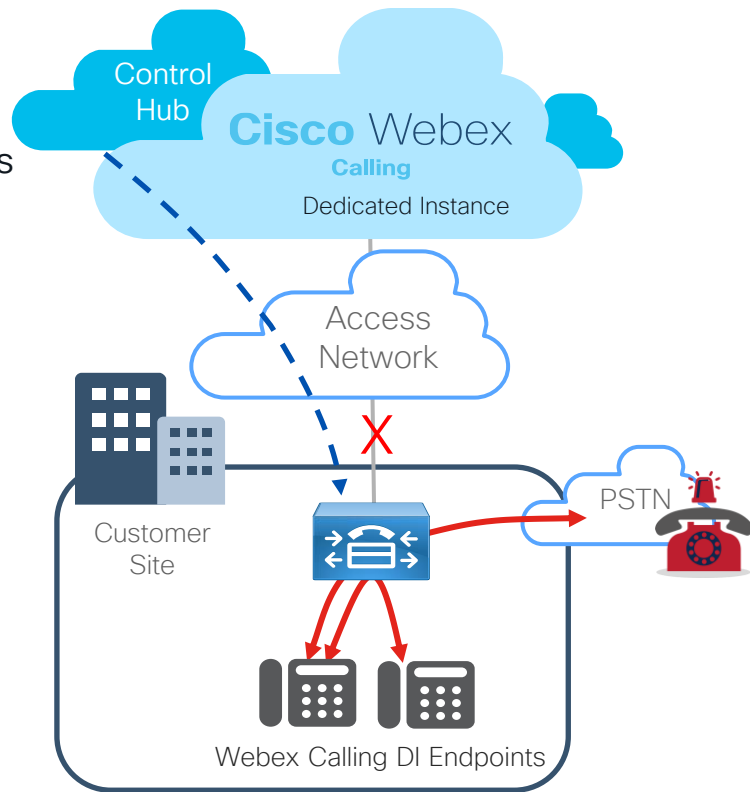
Data center redundancy within each region



- UC app redundancy - clustering-over-WAN
- WAN redundancy
- Redundant hardware across the data centers
- Data center backups daily, stored for 3 days

Enhanced Survivability

- A virtual application deployed on-premises that connects as a remote node to Dedicated Instance UCM cluster
- Devices register to the appliance when cloud services are unavailable.
- All call control functions, and 3rd-party integrations are preserved in the failover mode
- High density survivability: support ~10K devices per node
- Up to 8 remote nodes can be connected to a DI cluster
- Managed from the cloud
- RTT time for remote nodes >200ms
- One way sync from publisher to remote node
- Remote node is the tertiary node in the CM group



Now Available!

Features

A complete enterprise feature set

Highlights of supported calling features

Inbound call management

Auto attendant

Call queue analytics

Call routing and queuing

Call waiting – Up to 4 calls

Hunt group

Inbound caller ID

Music on hold

Receptionist client

Request call back

Skills based routing

Sequential ring

Make and receive calls

Call forwarding, hold, transfer

Call redial

Directory search (Enterprise and Personal)

Distinctive ring

Do not disturb

Outbound caller ID blocking

Privacy

Selective call rejection

Speed Dial 100

Three flexible PSTN options

Availability in 120+ countries

Call history and voicemail

Call history

Call logs w/click to dial

Convenience call recording

Visual voicemail

Voicemail transcription

Video, analog, fax, other devices

ATA support

Cloud-based fax

DECT devices

Video (point to point)

Multi call / line experience

Alternate numbers

Busy lamp monitoring

Conferencing (site based)

Exec / assistant roles

Multi call window

Multi line selection in App

Multiple lines on Cisco Phones

N-Way voice and video calling (6)

Shared lines

Three-way calling (variable length)

Virtual extensions

Agent / supervisor

Call queue analytics

Call transfer – attended/blind

Directed call pickup

Monitor, coach, barge, takeover

Skills based routing

Mobility

Business texting

Hot desking & hoteling

Remote office

Simultaneous ring

Webex Go

Administration

Analytics and troubleshooting

Business continuity (CFNR)

Call history reporting and API

E911

Single point of admin for Webex Suite

Integrations and partners

MS Teams integration

Google Chrome integration

Recording, attendant, fax partners

Security and safety partners

20+ Certified Calling Providers

Calling features you need, available anywhere

Call, text, message, meet with one click

Directory search

Instant access to:

- Call history
- Visual voicemail
- Transcriptions
- Recordings
- Contacts
- Messaging
- Spaces
- Meetings

Desk phone & room device pairing and control

Hold / resume, transfer, merge / conference, record, and elevate to a meeting

Call preferences, forwarding, single number reach

Select line, group, queue, shared line

Call on Webex or PSTN with video or audio

AI-powered Audio Intelligence: Noise removal, optimize for my voice

Share content during a Webex Call

The screenshot displays the Cisco Live! interface. On the left is a sidebar with a list of contacts and a search bar. The main area shows a call in progress with a video feed of a woman. A 'Calling options' menu is open over the video feed, showing options like 'hold', 'Transfer', 'Conference', 'Park', 'Power up', 'Make it a meeting', and 'Invite and meet'. At the bottom, there are controls for 'Mute', 'Stop video', 'Share', and 'Keypad'. Callouts point to various features: 'Call, text, message, meet with one click' points to the top navigation bar; 'Directory search' points to the search bar; 'Instant access to:' points to the sidebar; 'Desk phone & room device pairing and control' points to a desk phone icon; 'Hold / resume, transfer, merge / conference, record, and elevate to a meeting' points to the 'Calling options' menu; 'Call preferences, forwarding, single number reach' points to the 'Call Settings' button; 'Select line, group, queue, shared line' points to the 'Multiline' button; 'Call on Webex or PSTN with video or audio' points to the 'Audio' and 'Video' buttons; 'AI-powered Audio Intelligence: Noise removal, optimize for my voice' points to the 'Share' button; and 'Share content during a Webex Call' points to the 'Share' button.

Webex Multi call Window



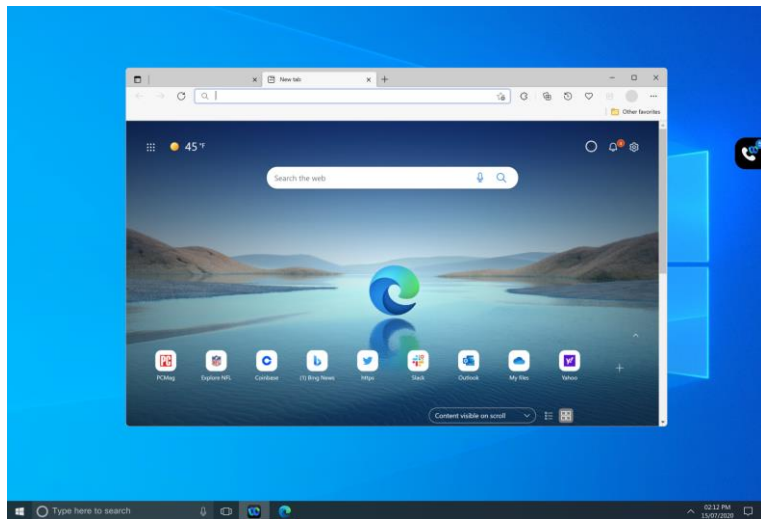
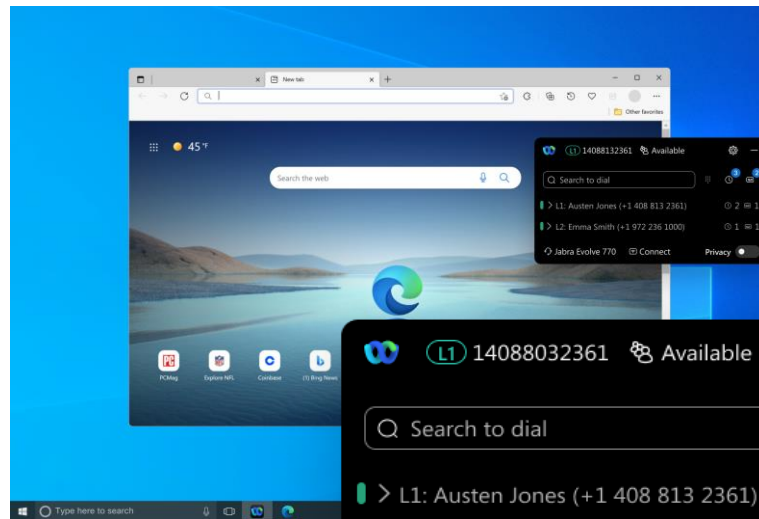
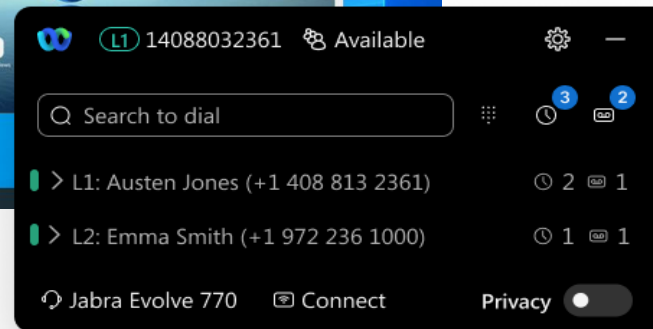
The image shows the Webex settings interface and the Multi Call window. The settings window is open to the 'Calling' section, where the 'Multi calls' option is highlighted. The Multi Call window is also shown, displaying a list of calls with various controls and annotations.

Annotations:

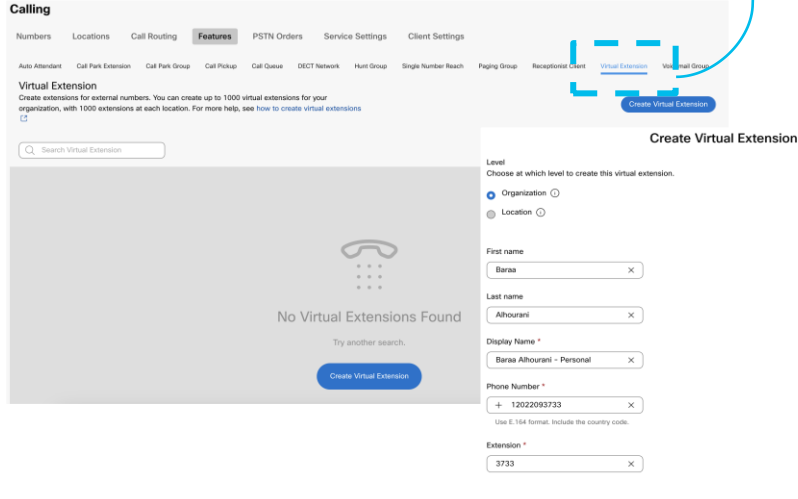
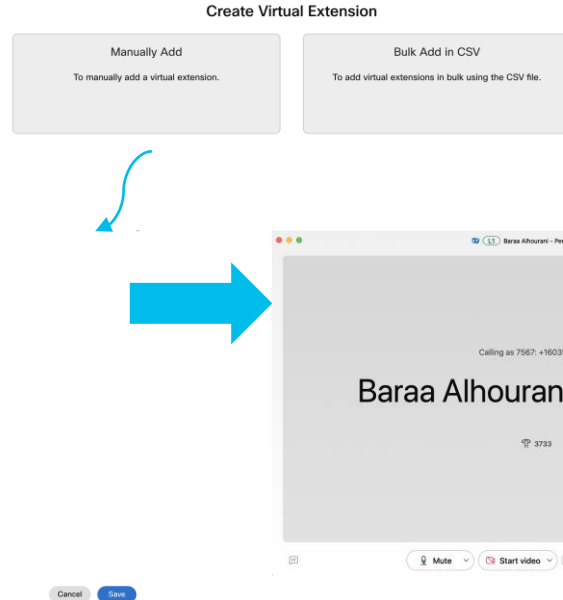
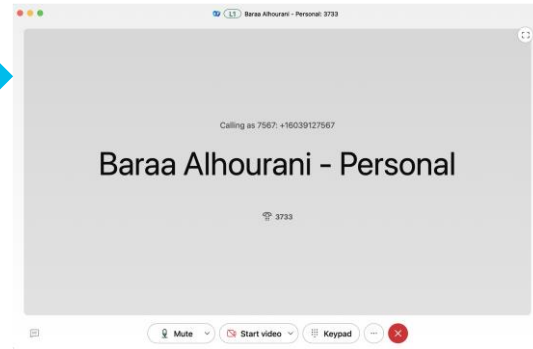
- Dialpad:** Points to the 'Enter a number' input field.
- Voicemails:** Points to the voicemail icon (envelope) next to the call number.
- Missed calls:** Points to the missed call icon (clock) next to the call number.
- Call controls:** Points to the call control icons (microphone, handset, dialpad, forward, etc.).
- Dismiss and answer calls:** Points to the red 'X' and green checkmark icons.
- Choose a line:** Points to the dropdown menu at the bottom of the window.
- Privacy:** Points to the privacy toggle switch.

Enhancing Multi-call Window as Phone Widget

Flexible Docking with Notification badge



Virtual Extension – like speed dials



If customer has phone numbers outside their organization that users call on a frequent basis, they can make users' lives easier by assigning extensions to those numbers.

<https://help.webex.com/en-us/article/fh3l46/Virtual-Extension-Configuration-in-Control-Hub>



Shared Voicemail/ Voicemail Group



Customer might use a voicemail group for any of the following scenarios:

- Need a general purpose voicemail for a department or workgroup.
- Need to add a voicemail option to an auto attendant or hunt group.
- Need to send the overflowed incoming calls from a call queue to a shared voicemail box.
- Have users who only need a voicemail box.

Learn More: [Link](#)

Calling

Numbers Locations Call Routing **Features** PSTN Orders Service Settings Client Settings

Auto Attendant Call Park Extension Call Park Group Call Pickup Call Queue DECT Network Hunt Group Single Number Reach Paging Group Recipient Client Virtual Extension **Voicemail Group**

Voicemail Group

Create a shared voicemail or inbound fax box for users, with call routing features like auto attendant, call queue, or hunt group. You can set up new message notifications, choose storage locations, and customize voicemail greetings. For more help, see [how to create a voicemail group](#).

[Create Voicemail Group](#)

Search Voicemail Group All Locations Export

Voicemail Group

voicemail or inbound fax box for users, with call routing features like auto attendant, call queue, or hunt group. You can set up new message notifications, choose storage locations, and customize voicemail greetings. For more help, see [how to create a voicemail group](#).

Basics Settings Review Done

Language

Select the language for audio announcements.

English

Message storage

Use internal mailbox (selected) Use external mailbox

New Message Notification

Receive notification of any new voicemails or faxes to an email address.

Receive notification of any new voicemails or faxes to an email address.

Fax messaging

Allow this voicemail group to receive fax messages.

Allow this voicemail group to receive fax messages.

Additional Voicemail Settings

Transfer on '9' to phone number Email a copy of message

Basics Settings Review Done

Voicemail Group Name

Create a unique name. This name is used to identify the voicemail group later on.

Sales Voicemail

Phone Number

Assign your voicemail group to a primary phone number and extension. The phone number field is optional, but the extension field is mandatory.

+16039127560 7560

Caller ID

Caller ID is used when calls are transferred or forwarded out of this voicemail group.

Caller ID first name: Sales Caller ID last name: Voicemail

Voicemail Passcode

Create a passcode. You will need this code to access the voicemail group when you are calling.

New passcode

Confirm new passcode

Remove noise on both ends of your calls

Control your audio for single speaker, multiple speakers, or music

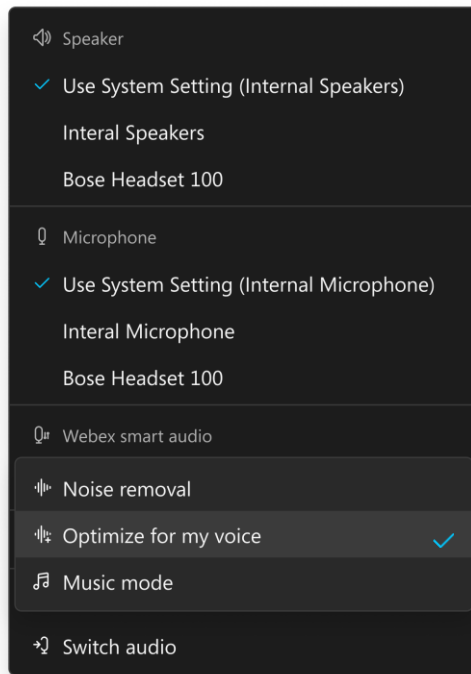
Remove background noise from caller audio

Desktop & Mobile



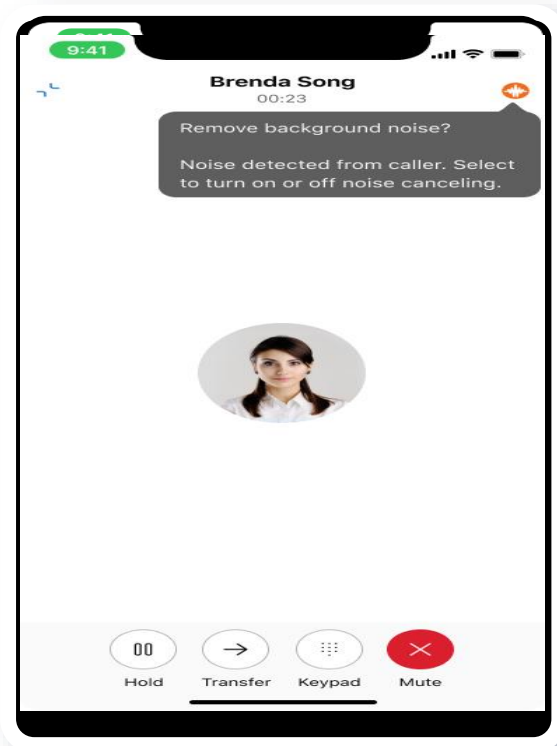
Optimize for my voice

Removes all background noise and background speech



PSTN noise removal

Webex App users can eliminate background noise from remote callers

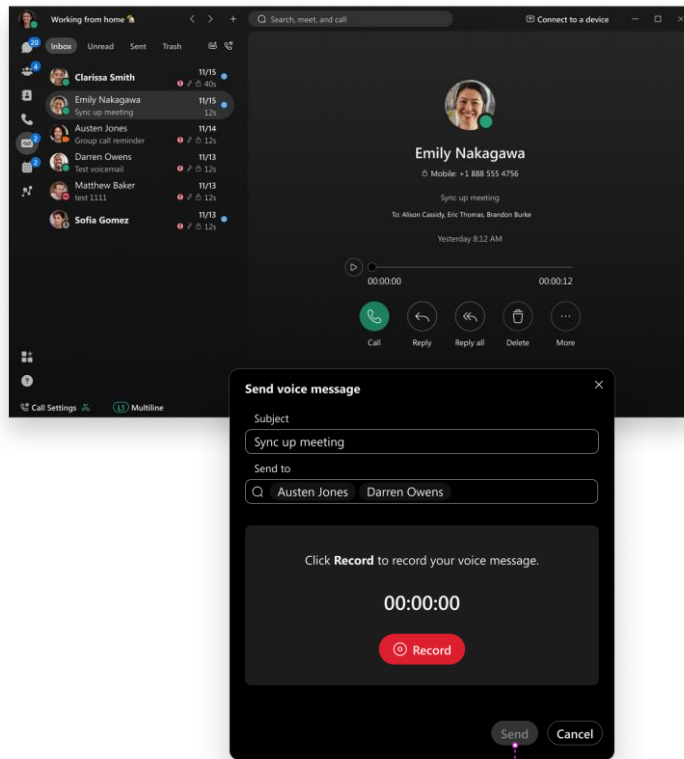
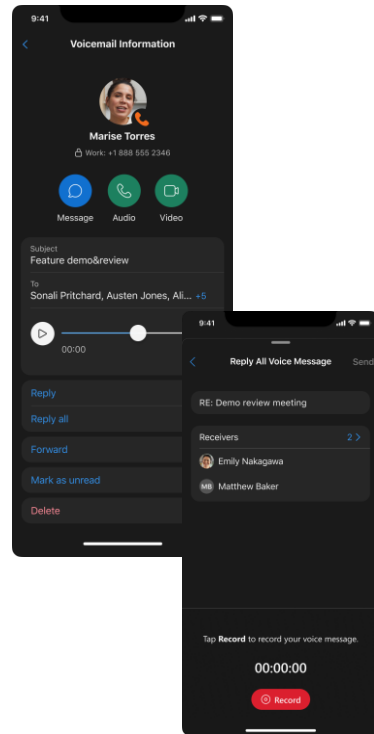


Advanced Voicemail Features

Forward & Reply

Allow you to record voicemail message to send, reply, or forward directly within Webex App

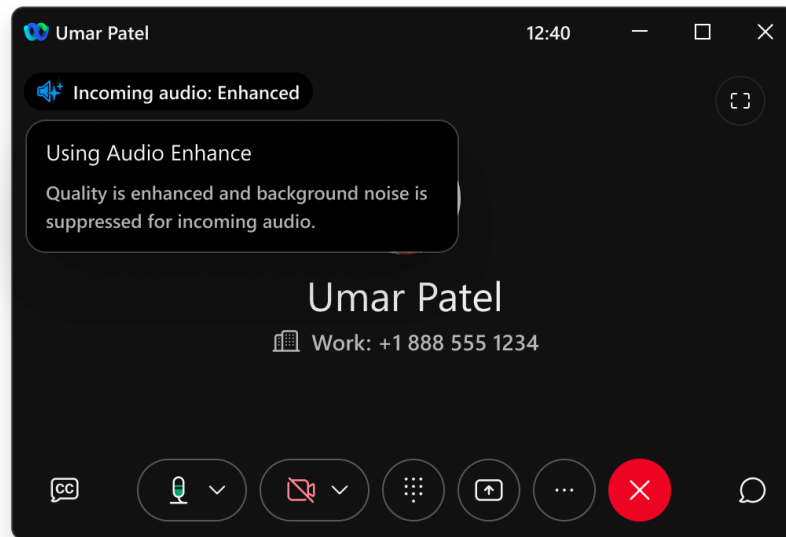
Available with UCM/DI first per Jabber migration request.



Bandwidth Extension (BWE) for PSTN

AI driven speech improvements

- AI powered audio enhancement for increased speech intelligibility and noise removal
- High fidelity audio stream for narrowband PSTN calls
- Superior speech quality decreases fatigue for calling users

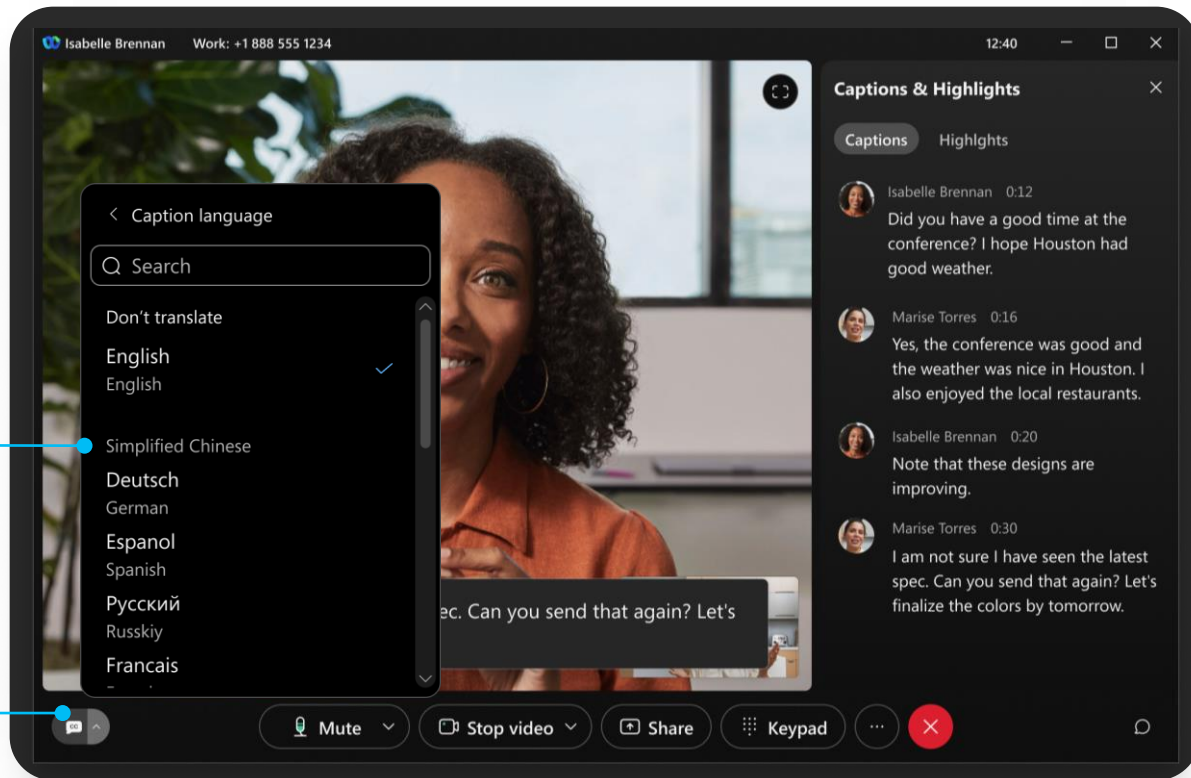


**UI Subject to change

Calling captions & translation

Select **real-time** translations from English to other languages

Turn on closed captions with **one click**



Next generation hot desking

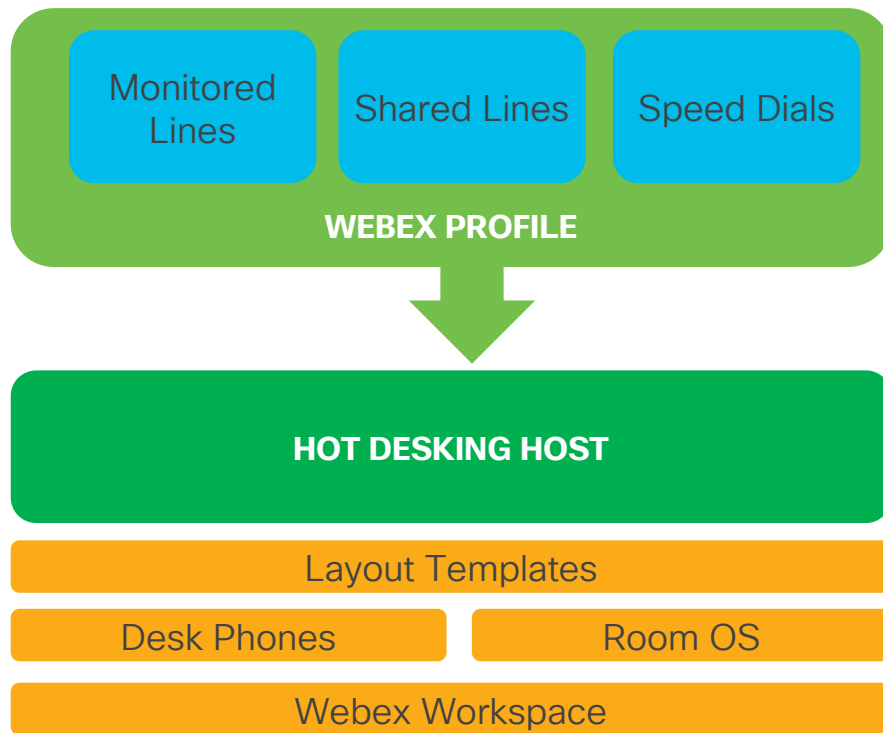
Delivering a **personalised** return-to-office experience

- Log in instantly with a QR code to reserve a Workspace (device) for up to 24 hours
- Make and receive voice and video calls from your business line
- Access call history, contacts, and voicemail
- Join scheduled meetings with a single touch
- Supported on 8875, **MPP 8800 series** and RoomOS



WEBEX PROFILES: BRING YOUR IDENTITY WITH YOU

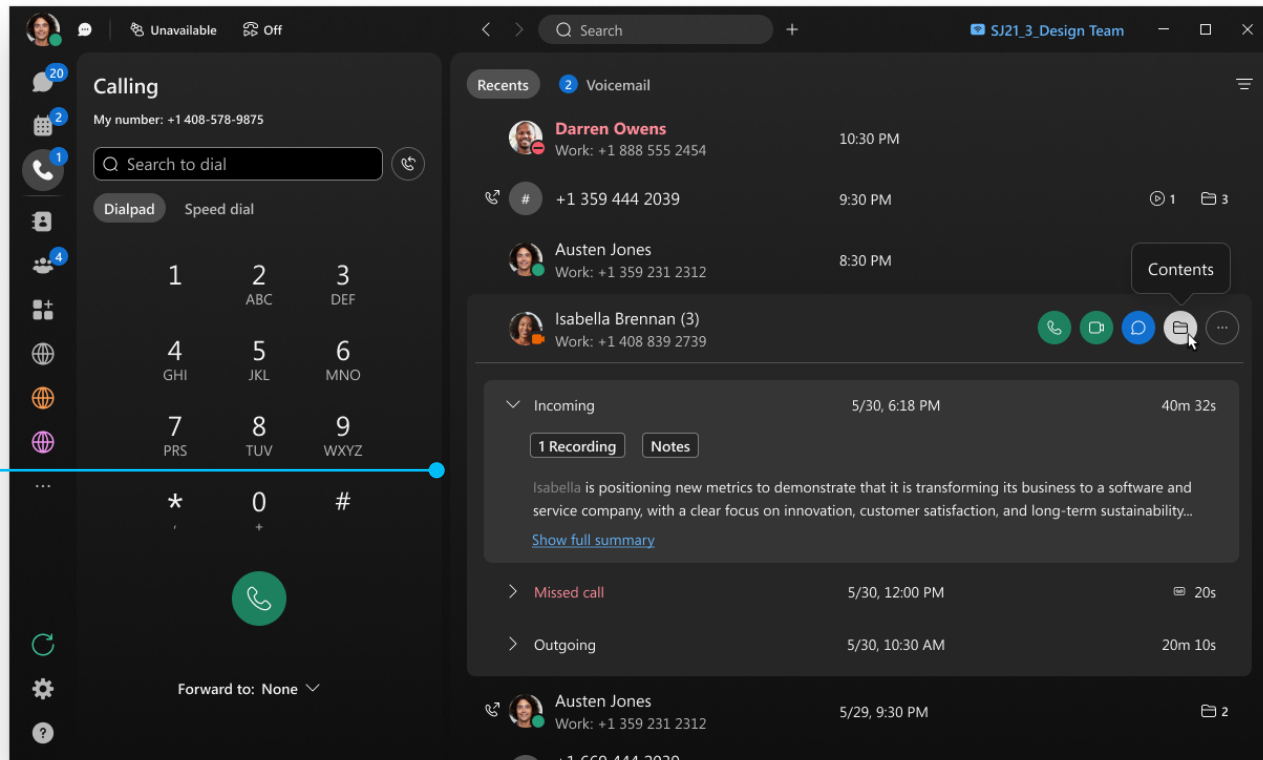
- Take your identity with you.
- Similar to extension mobility.
- Monitored Lines, Shared Lines, Speed Dials
 - Tied to the user – not the device
- Webex Profiles will apply your Webex identity
 - Applied against specific layout templates



Call Summary

Your personal AI assistant

AI generated post-call
summary with note editing
capability

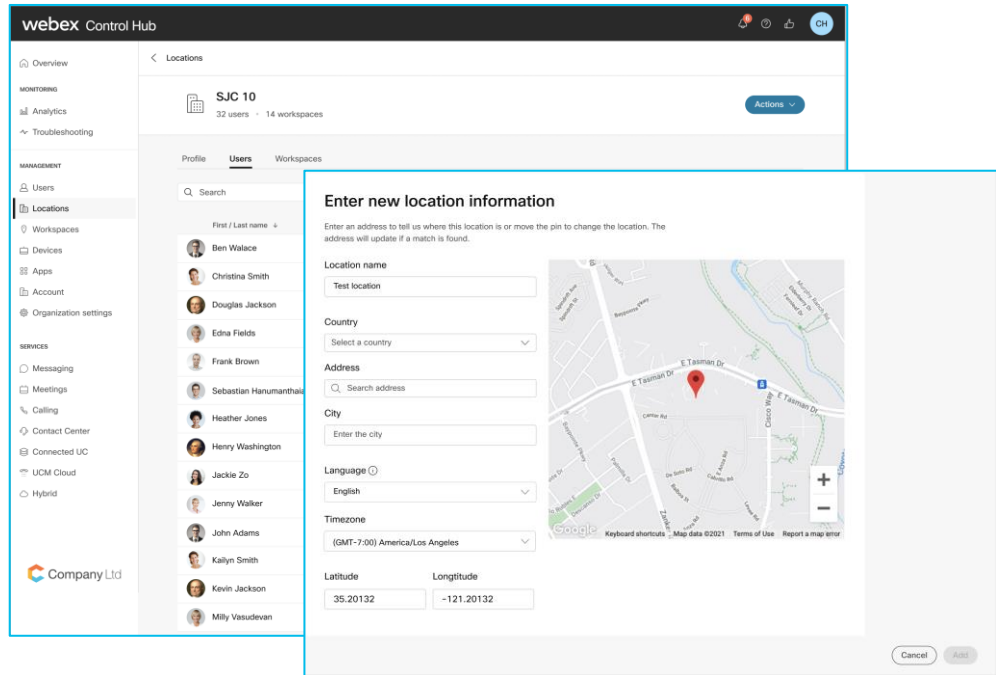


Webex Locations

Control Hub Locations

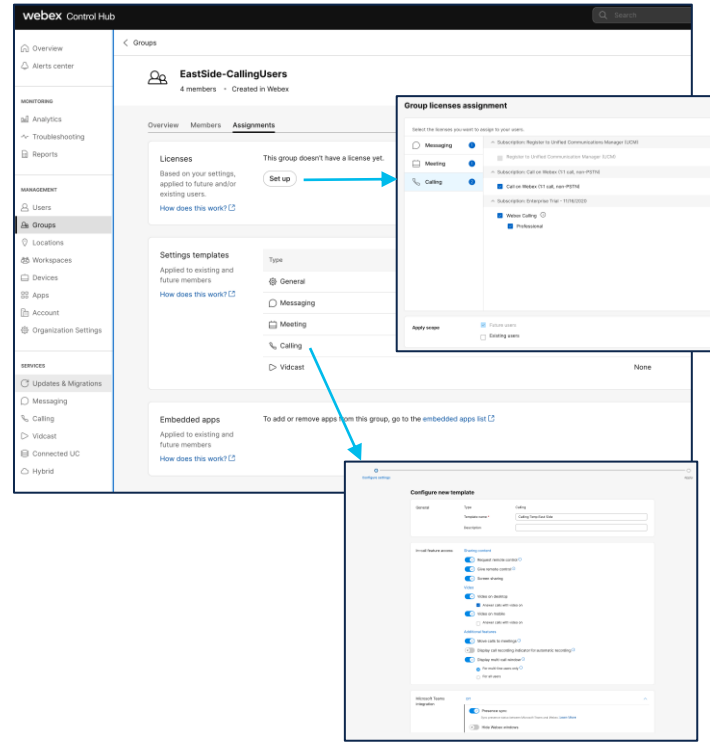
- Centralizes “locations” across Webex services.

- Faster, more granular search options
- Manage Users, Workspaces, Devices, Calling config centrally
- Location-Assigned Administrators
- Location-Assigned Webex Services
- Journey-based, more intuitive Calling Administration
- Each location can be configured with service-specific templates



CISCO *Live!*

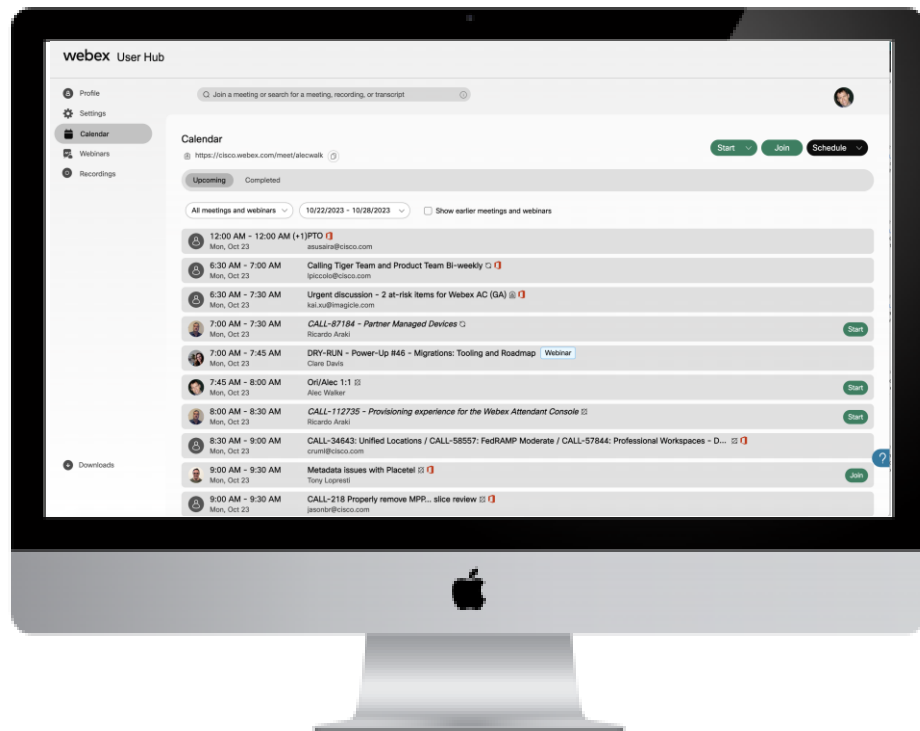
- 90



Newly Launched: End-user Portal

A new, end user experience is now GA at user.webex.com, which provides an updated experience for settings.webex.com.

This is a single end-user experience across wholesale, FLEX, and online customers.



Cisco Managed Devices

Supported 3rd Party Devices:

- Poly Devices: VVX 101, 150, 201, 250, 301, 311, 350, 401, 411, 450, 501, 601, Trio 8300 / 8500 / 8800, SoundStation IP 5000*, 6000*
- Yealink Devices : IP Desk Phones - T41S, T42S, T46S, T48S, EXP40/50, T58A / T58V, T53W, T54W, T57W, T33G, T43U, T46U, T48U, T40G, DECT* - W52B, W56B, W60B, W70B, CP920, CP960
- SingleWire Fusion Server, Grandstream Door and Paging Devices, Algo Paging Devices, 2N IP Verso Door Devices, AudioCode (MP202, MP204)*
- Others (Roadmap):
 - All SIP devices compliant with Cisco Security requirements will be supported on the Wholesale platform via Partner Managed Devices option.

* - Available H2 23



Webex Attendant Console

A modern interface for receptionists

Available Nov 15, 2023

The screenshot displays the Webex Attendant Console interface. On the left, a sidebar contains navigation options: Messaging, Teams, Contacts, Calling, Voicemail, Meetings, Personal Insights, and Attendant Console (highlighted). The main area is titled 'Webex Attendant Console' and shows 'Queues' with 3 Queues, 27 Waiting calls, and 05:22 Max waiting time. Below this, it lists 'All queues' with details for 'Eu Support' (12 calls, 11:56 Avg handling time, 02:32 Avg waiting time) and 'UK Support' (5 calls, 12:24 Avg handling time, 03:58 Avg waiting time). A 'Show more' button is visible. The 'Current Calls' section shows a list of active calls with columns for Contact, Number, and Duration. The 'Parked Calls' section shows a list of parked calls with columns for Contact and Number. The bottom section, 'Colleagues', shows a list of team members with columns for Contact, Extension, Mobile number, e-mail, and Note. The interface also includes a top bar with a search bar and a 'Connect to a device' button. On the right side, there are call controls for a specific call, including a 'Recording...' button and a 'Start, stop, or pause call recording' button.

See activity in voice queues

Launch the Attendant Console from the Webex App

Easily manage calls with call controls

Start, stop, or pause call recording

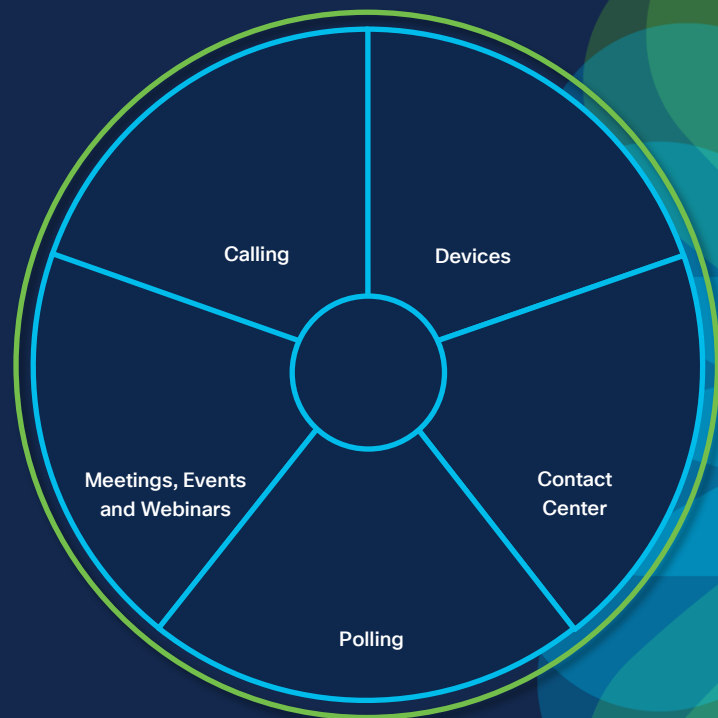
Manage current calls and park calls

See the presence and availability of key contacts



The bridge to possible

Webex and Microsoft: Better Together



A complete suite of collaboration services and devices that complement and enhance your Microsoft Teams Investments

Microsoft Interop for Calling, Meetings, and RoomOS – BRKCOL-2692

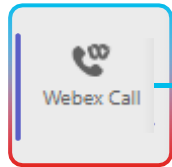
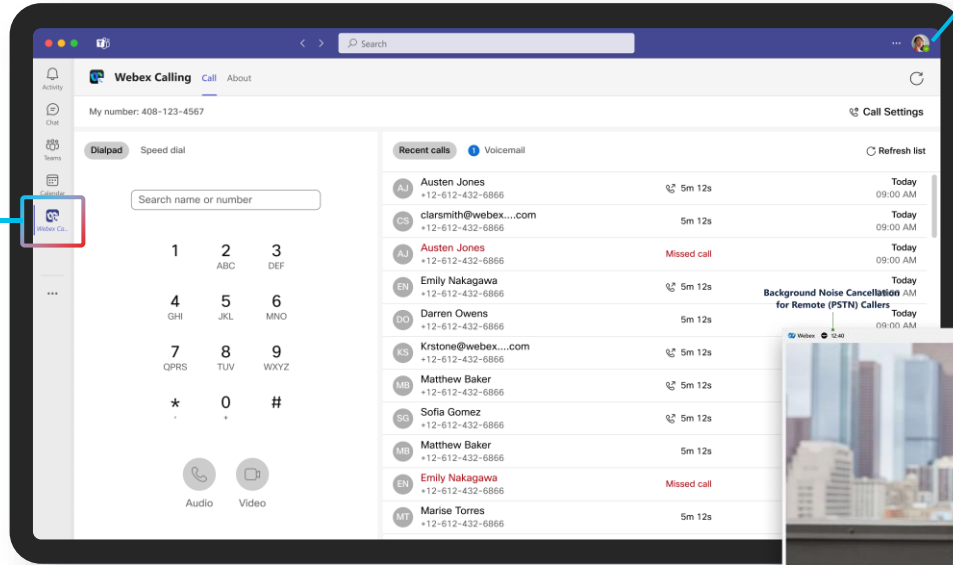
CISCO *Live!*

#CiscoLiveAPJC

Webex Calling in Microsoft Teams

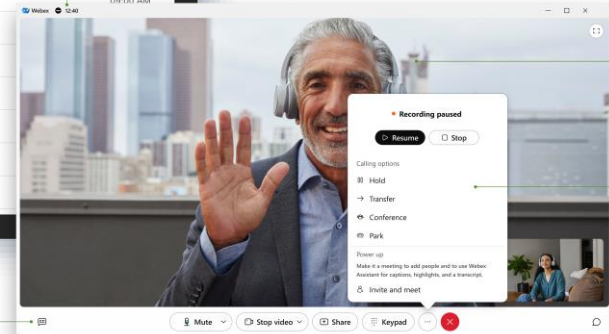
Bring the **enterprise grade** Calling experience to Microsoft Teams

Make and receive
internal/external calls



2-way presence sync

Works with Webex
Calling, Dedicated
Instance and CUCM



Audio and Video Calling

Mid Call Control and
Record Calls

Closed Captions &
Translation

Webex Calling for Microsoft Teams – Redesigned UI

Call Tab
Access dial pad, contact search and speed dials

Dialpad
Access to dialpad to key in numbers

Add Speed dial
Click to add up to 25 speed dial cards

Contact Search
Search for personal and corporate contacts

Contact Resolution
Resolves the incoming call identifier to Azure AD

Call/Search Input
Enter a number, SIP address or type a name to search for a Azure AD/Outlook contact

Voicemail
Access and play back the voicemail

Call History
See history of incoming/outgoing/missed calls

Call
Select number and call contact

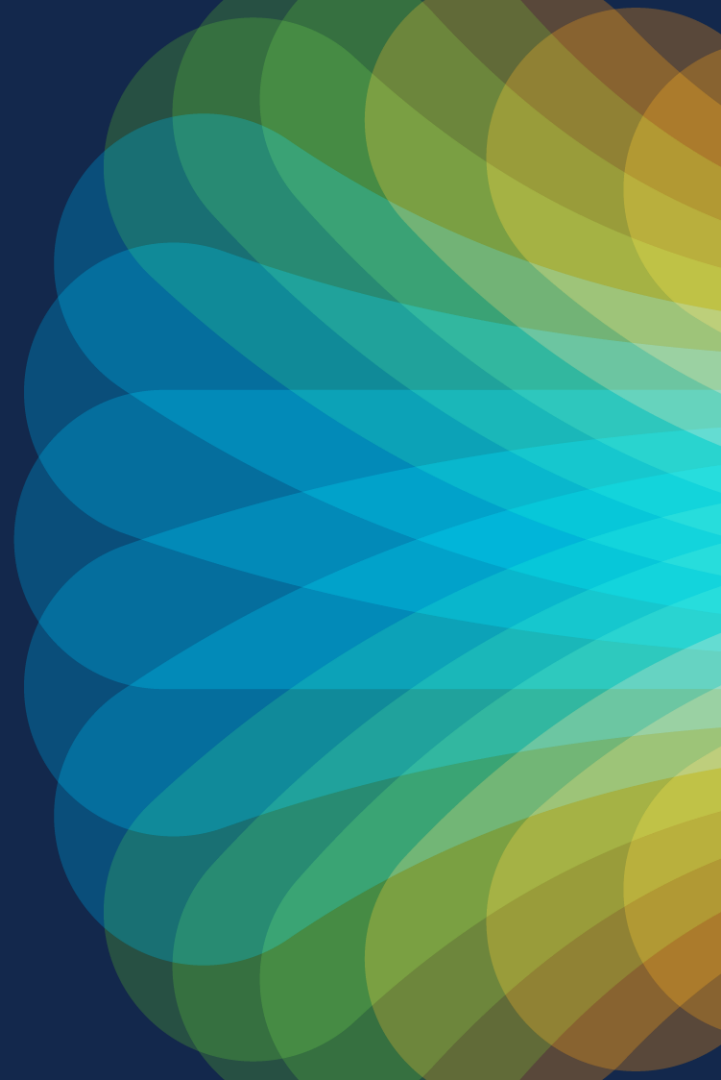
Webex Calling UI Details:
The interface shows a top navigation bar with 'Webex Calling', 'Call', 'About', and 'Settings'. Below this is a search bar and a 'My number: 408-123-4567' display. The main area is divided into a left sidebar with 'Dialpad' and 'Speed dial' buttons, a central dialpad with a search input, and a right sidebar with 'Recents' and 'Voicemail' tabs. The 'Recents' tab displays a list of calls with details like contact name, number, duration, and time.

Contact	Number	Duration	Time
Melissa Ewing	+1 408-234-5678	5m 12s	Today 12:00 PM
Calling team UX	12345678@cisco.webex.com	38m 27s	Today 10:30 AM
Jessica Jones	+1 571-204-9482	Missed call	Today 09:14 AM
Lorissa Verylongname	+1 571-764-2947	10m 36s	Yesterday 12:30 PM
Colin Ord	+1 408-204-8472	32m 50s	Nov 13 09:00 AM
Evgeny Godlevsky	+1 669-298-3745	20m 14s	Oct 27 09:00 AM
Rumy Stambolova	+1 213-109-7417	56m 46s	Oct 27 09:00 AM

UCM – Pre-Req:
UCM 12.5 SU7 or 14 SU3 (Q2CY23)
CUC – 12.5
On-premises: Webex Cloud-Connected UC (CCUC)

Customer Experience

Improving the Customer Experience



Customer experience is more important than ever

75%

Good customer service is a reason to be a repeat customer with a business – as important as price (76%)

55%

Would change brands for a better customer experience

72%

Want to choose their preferred channel to speak with a business

77%

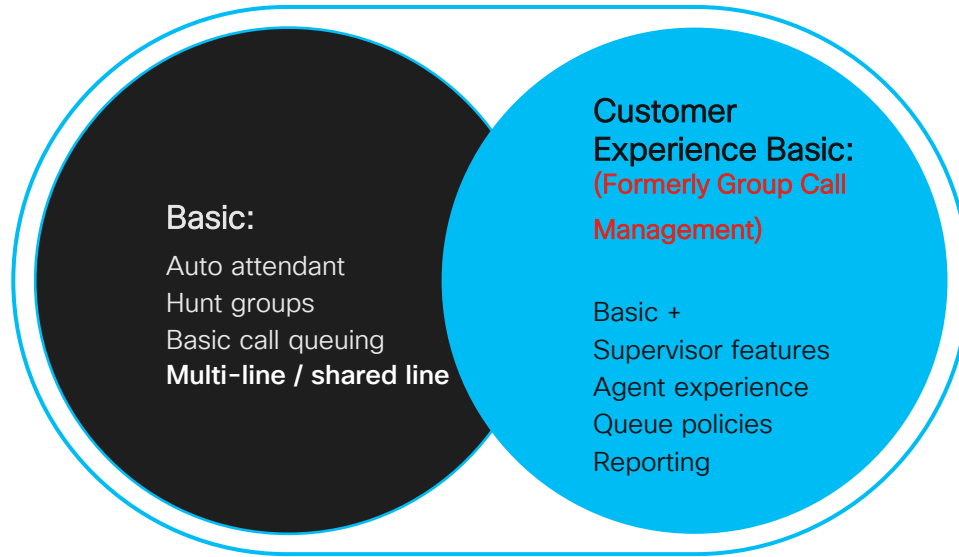
Millennials who are comfortable using social media channels to interact with a business

Source: primary research "it's time to solve the customer experience trilemma"

Webex customer experience options of any size

Serving the need for an informal call center

Webex Calling



Included with Webex Calling

Webex Contact Center



Add on to Webex Calling

<https://help.webex.com/en-us/article/z7iyz9/Group-Call-Management>

Cloud Migration

Customer Experience Basic

A complete call center included with Webex Calling

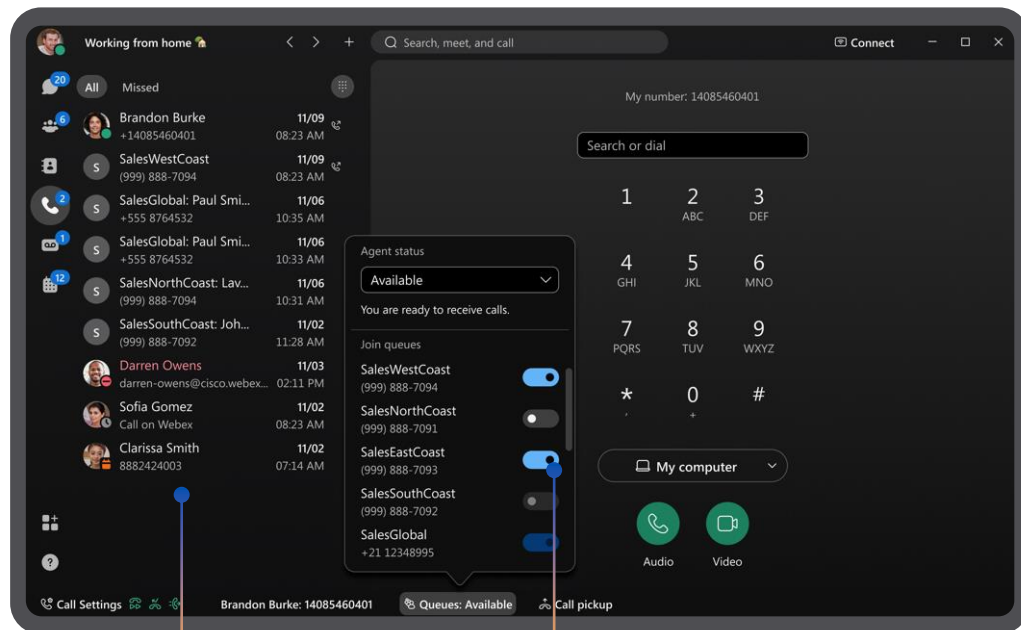
Included with Webex Calling out of the box for no additional fee

Advanced call queue capabilities (request call-back, skills-based routing)

Supervisor **monitor, coach, barge-in, and takeover**

Live and historical call queue analytics through Control Hub

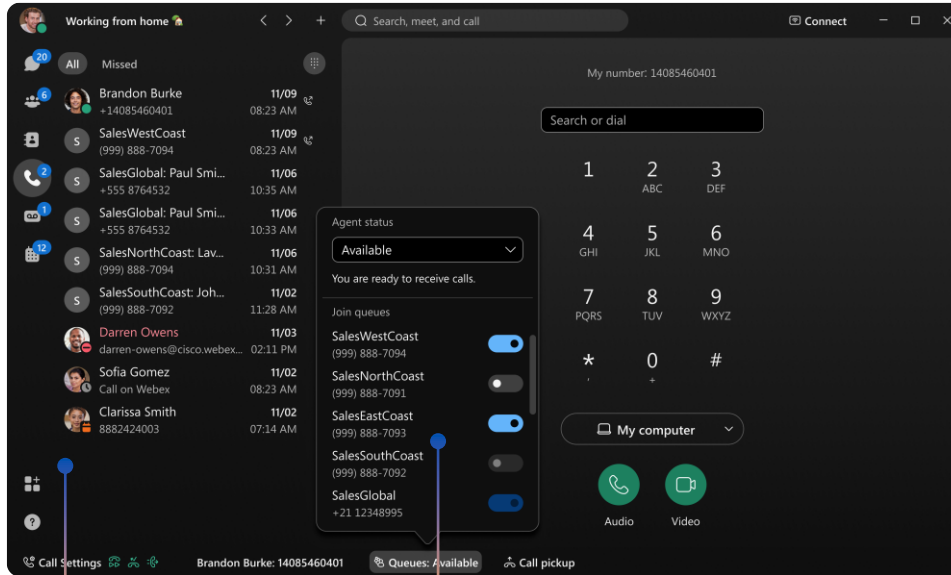
End-to-end background noise removal



Call history
across queues

Easily join /
unjoin queues

Agent Experience in the Webex app



Call history
across queues

Easily join /
unjoin queues

Queues Available icon will appear in the Webex app when the user has been added to at least one Call Queue.

Only the primary user\line is supported to provide the Queues option to be displayed on the Webex app.

Shared and Virtual lines can still ring in the app for joined call flows, but there is no way to change agent status.

A roadmap feature for 1HCY23 will provide additional line support with queue availability

Agent States in the Webex App

Agent states are always displayed when in the Webex app when the user is added to a Call Queue.

Agent Status:

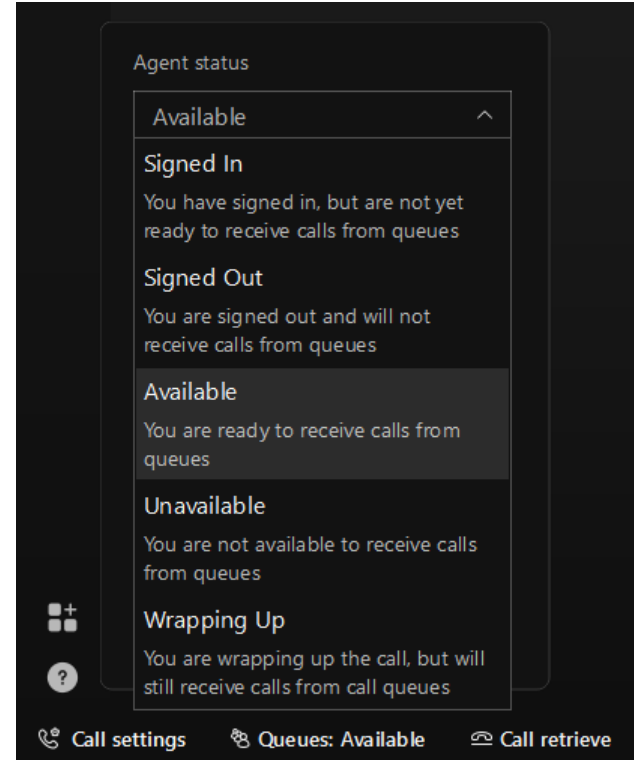
Signed In – No calls will be received

Signed Out – No calls will be received

Available – Agent will receive calls.

Unavailable – No calls will be received

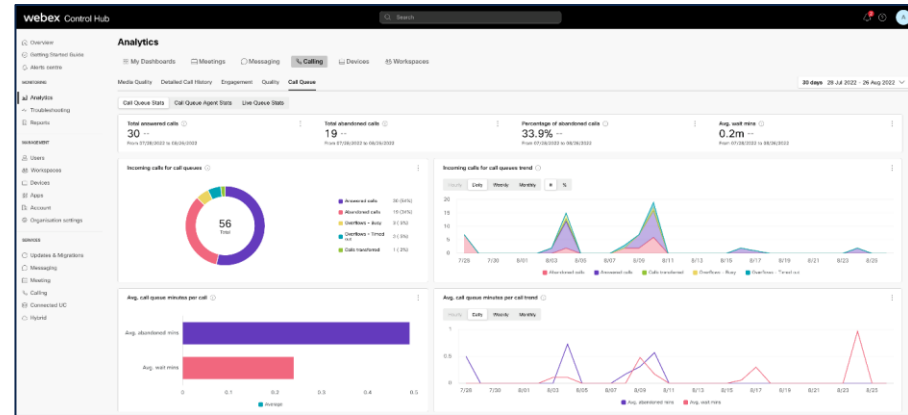
Wrapping Up – If the agent is on a call and knows that they will sign off as soon as the call completes, the agent can change their status to Wrap-up. The agent will still receive calls unless they sign-out after the call.



Analytics

Provides call queue performance reports for administrators

- Call Queue Stats
- Call Queue Agent Stats
- Live Queue Stats



Agent/Workspace name	Call queue	Location	Total answered calls	Bounced calls	Total presented calls	Total talk time	Avg. talk time	Total hold time
BWC Safe 428	BLU CC No Number	Bangalore	0	0	0	00:00:00	00:00:00	00:00:00
Agent 1	Bangalore Queue Chan...	Bangalore	0	0	0	00:00:00	00:00:00	00:00:00

Call Queue Agent Dashboard

Agent reporting across all Call Queues

- A single dashboard for agents across all Call Queues
- Filter information of agents based on Call Queues, Join/Unjoin status or location
- One click toggle of join/unjoin status of agent from Call Queues
- Export the information to CSV

webex Control Hub

Calling

Numbers Locations Call Routing Features PSTN Orders Orders Service Settings Client Settings

Auto attendant Call park extension Call park group Call pickup **Call queue** DECT network Hunt group Single number reach Paging Group Rec

Call queues Supervisors Agents

Filters

Agents

Agents are users assigned to a Call Queue. Calls from Call Queue is routed to agents based on the configuration. An agent can be assigned to one or more Call Queues and can be managed by Supervisors.

Q Search All call queues All locations Join / Unjoin 5 Agents

Agent	Call queue	Location	Primary number	Extension	Join / Unjoin
> Aarta Benjamin	4	2	+9180406353	1234	Join (3) / Unjoin (1)
> Adam Grant	3	2	+1234567890	1004	Join (1) / Unjoin (2)
	Sales	Mumbai	+1234567876	1021	☒
	Booking	Bangalore	+1234567898	1024	☒
	Booking	Bangalore	+1234567890	1004	☐
> Anil Kapse	5	3	+1234567882	1121	Join (1) / Unjoin (4)
> Lisa Martell	299	17	+9180406383	1239	Join (231) / Unjoin (68)
> Martin Watson	102	5	+9180406301	1204	Join (4) / Unjoin (98)

All the agent details

Easy toggle for join/unjoin

Export to CSV

Export CSV

Company Ltd

A customer experience solution for any need

Basic

Voice queues
Skill-based routing
Multi call window
Multi Call Window
Audio Intelligence
Call queue analytics

Included in Webex Suite via A-FLEX-3

Essentials

Customer Experience Basic +
Supervisor experience
Agent Screen pops
Operational reports
Voice at launch
Omnichannel (H2 CY24)
Webex Calling Professional License

Coming Soon

 **webex** Contact Center

 **webex** Connect

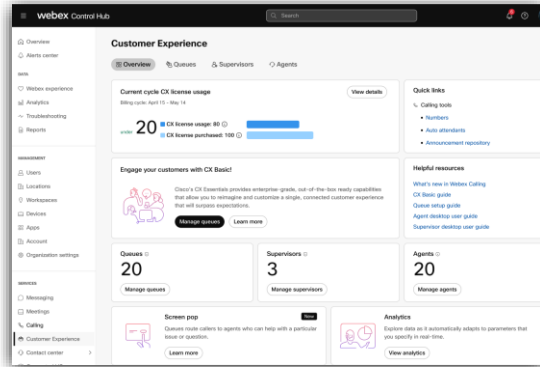
Omni-channel
Agent & supervisor desktop app
AI Capabilities
Automation & Virtual agents
Customer Journey Data
Robust Reporting and Analytics

Available now via A-FLEX-3-CC

Webex Platform

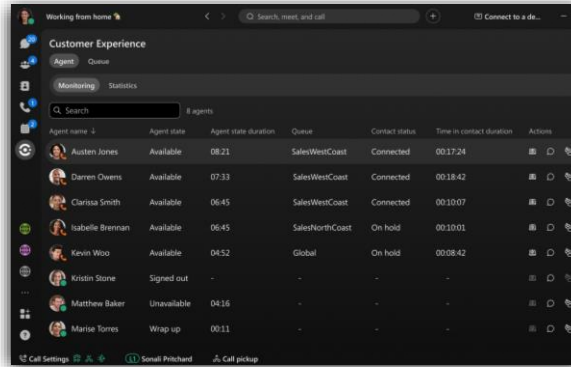
Security, AI, Manageability, Sustainability

CX ESSENTIALS: FEATURE HIGHLIGHTS



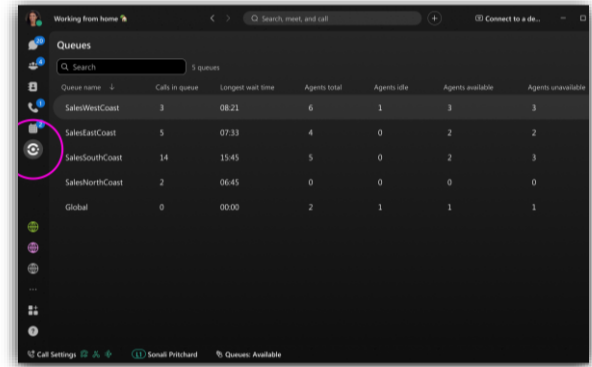
Administration

- New Customer Engagement menu in Webex Control Hub with an overview
- Licensing CX Essentials users
- Easy configuration of call queues and associated resources
- Screen Pop configuration
- Access to call queue and agent analytics



Supervisor Desktop

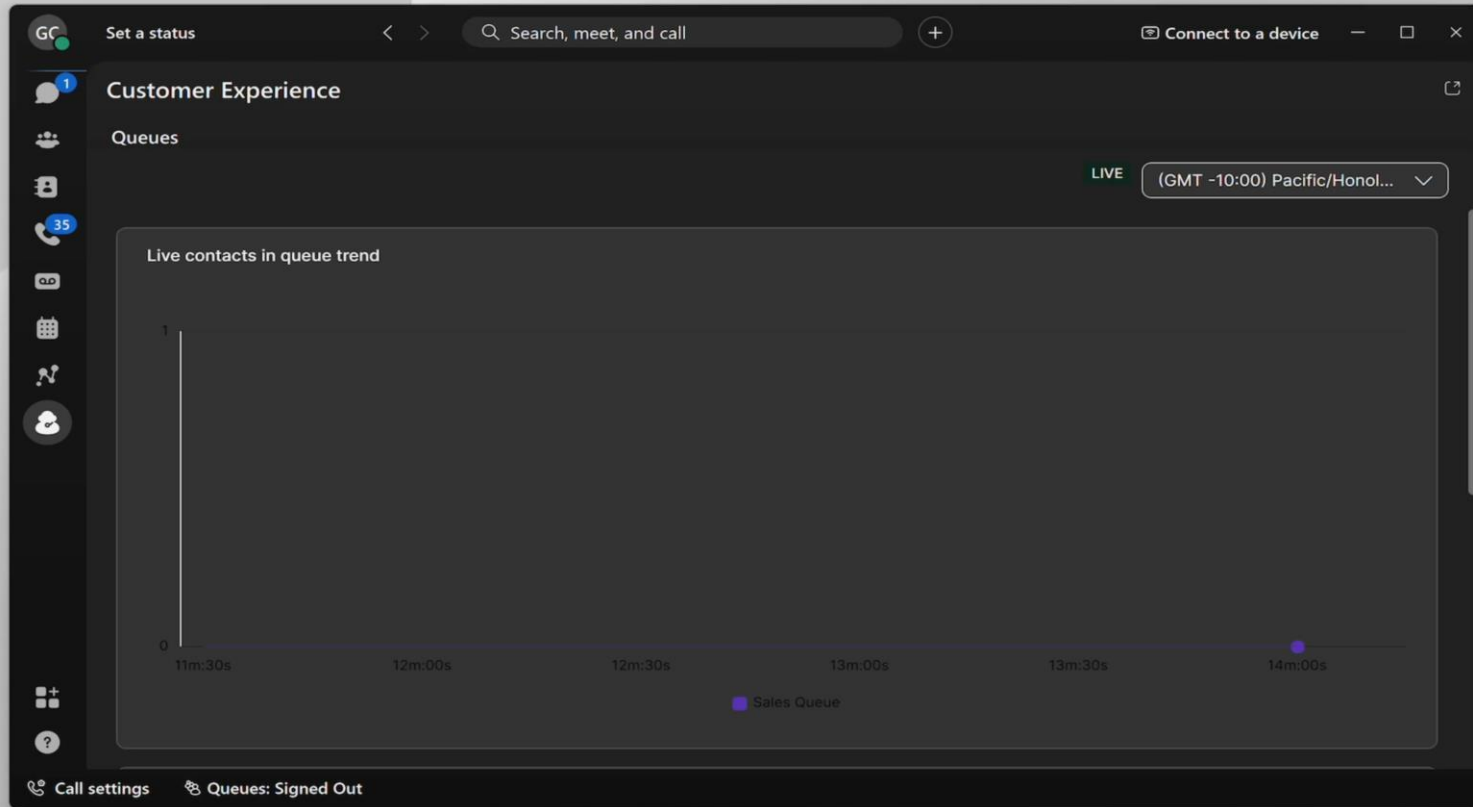
- Familiar Webex App
- Realtime agents and queue view
- Ability to Monitoring agents
- Historical agents and queues analytics
- Set availability status for agents and change join/unjoin

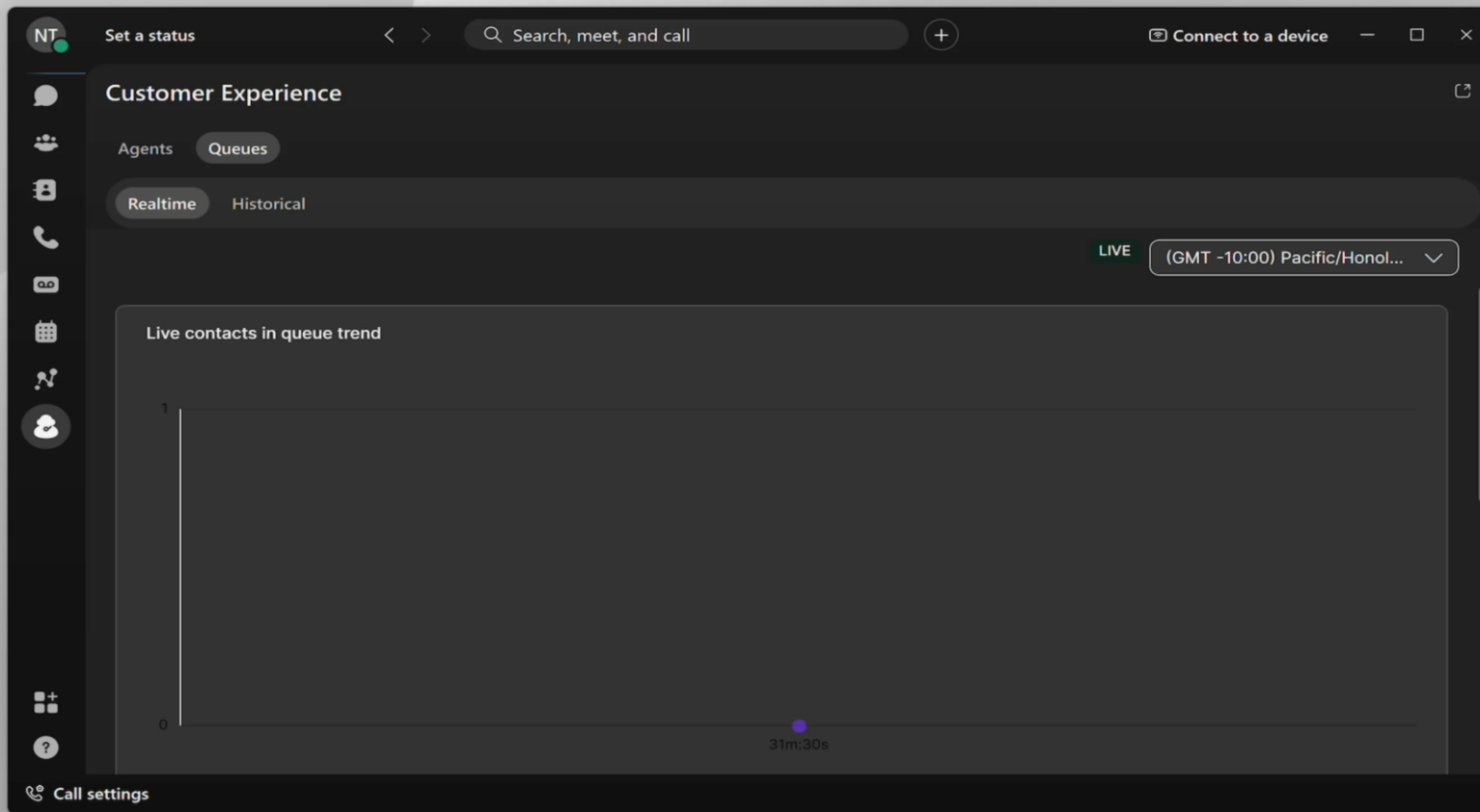


Agent

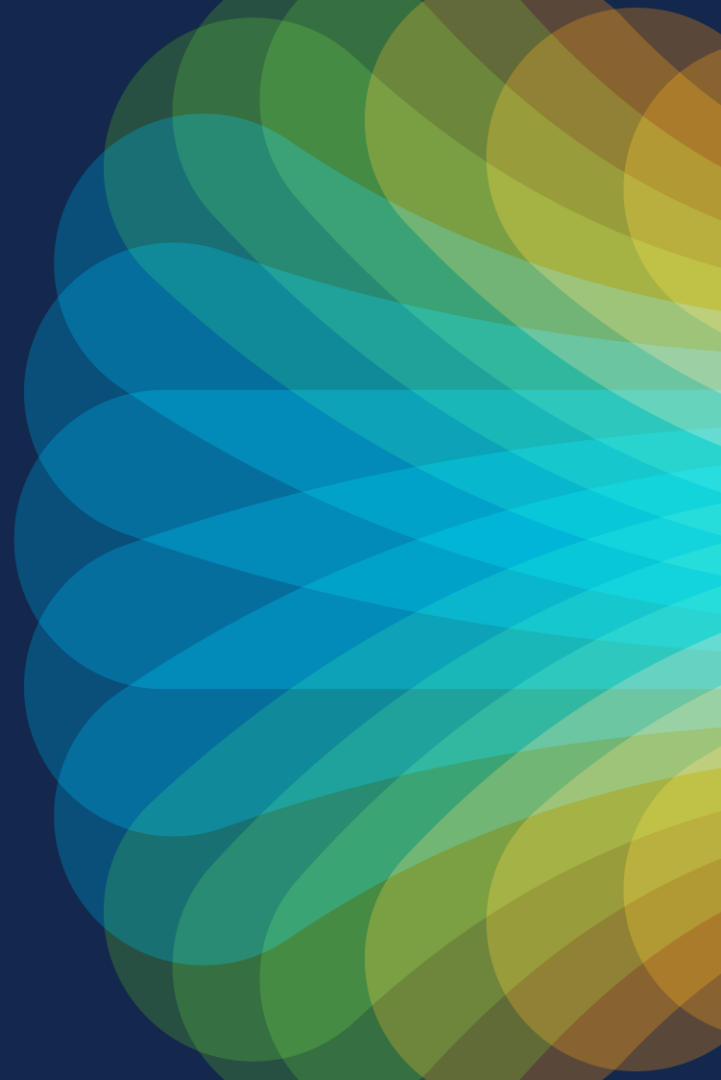
- Manage availability and join/unjoin
- Select outbound Caller ID
- Screen Pop
- Queue visibility

[90 Second Demo](#)

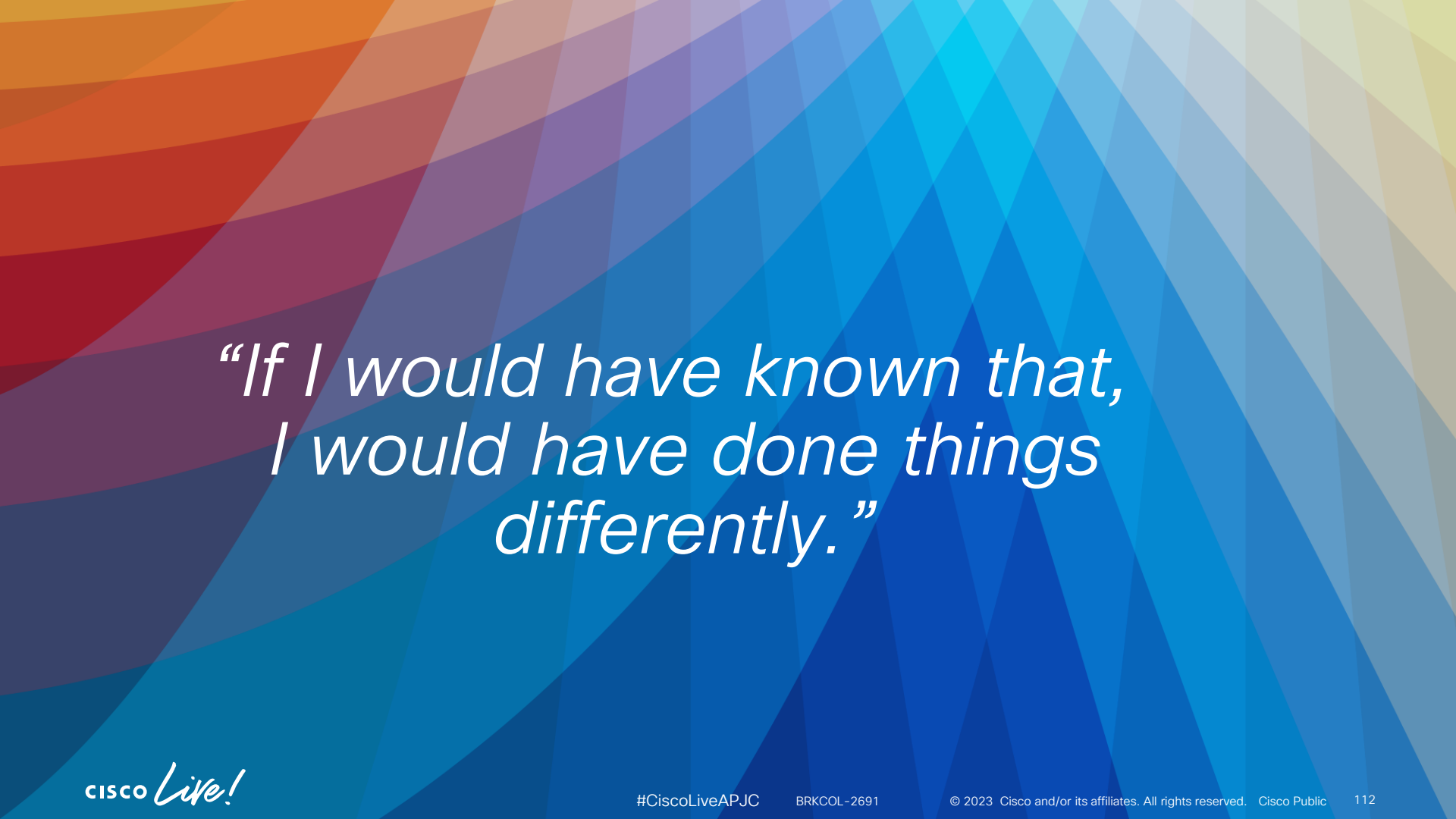




Migration Considerations



Decisions, Decisions



*“If I would have known that,
I would have done things
differently.”*

Discover, Decide, Design, Deploy



Call Recording: yes, but which one do you need?



CDRs: got it, but what information do you need in them?



Call Center: what use case are you looking for?



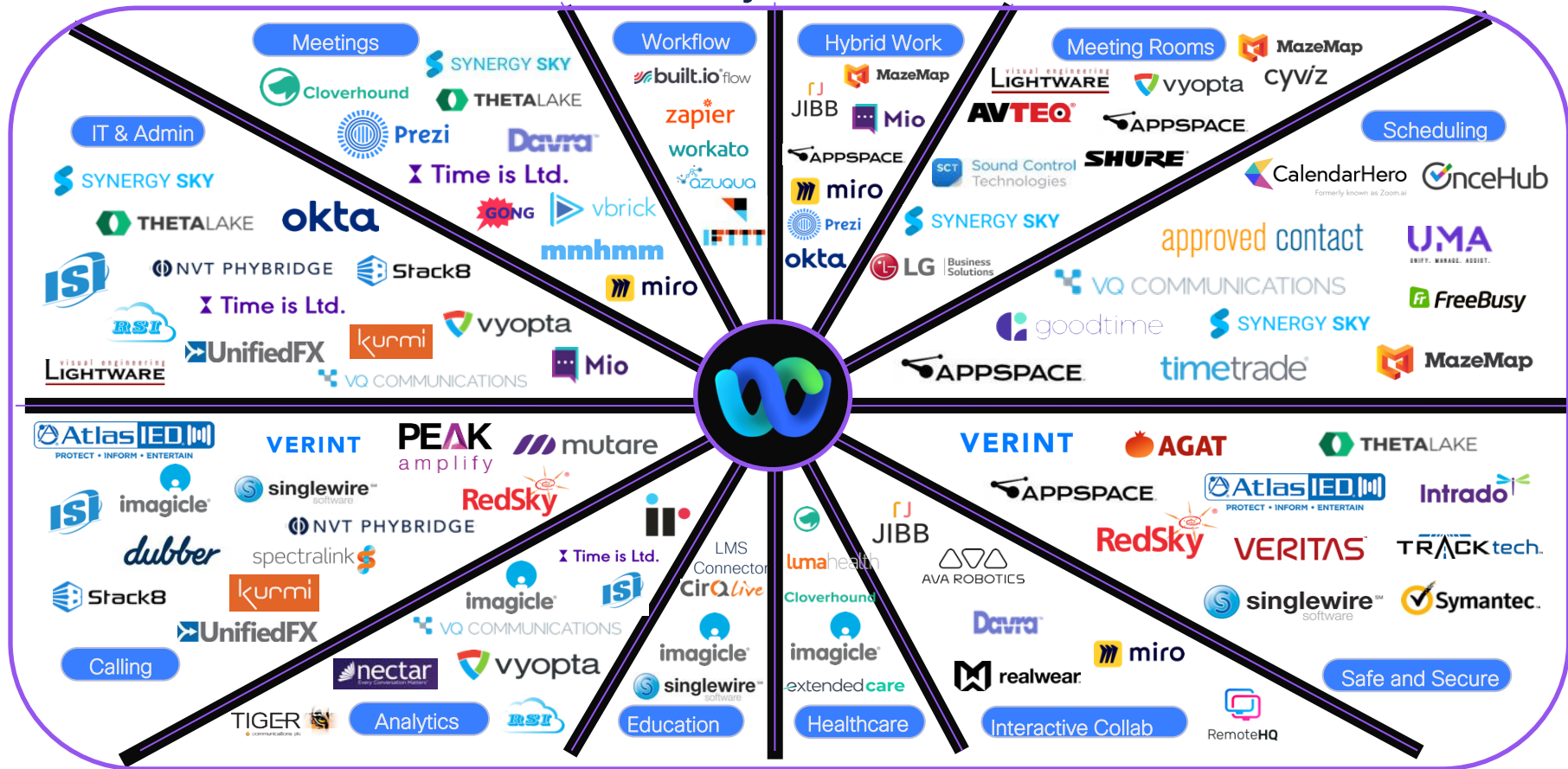
Analog: what legacy or 3rd party SIP devices do you still support?

Analog Voice Gateway Comparison



Voice Gateway	VG400	VG310	VG320	VG410	VG420	VG450
Software Image	IOS XE	IOS	IOS	IOS XE	IOS XE	IOS XE
Webex calling	Yes	No	No	Yes	Yes	No
FXS-E	Yes	First 8 Ports	First 4 Ports	Yes, 24 ports	108/84*	16(mode1)/ 56(mode 2)
Analog SIP Line Support	No	No	No	Yes	Yes	Yes
Native Media Recording (FXS/FXO)	Yes	No	No	No	No	Yes
FXO Failover Bypass	Built-In	No	No	Yes	SM-X Module	SM-X Module
Voice Module Support	No	VIC/VWIC	VIC/VWIC	No	NIM / SM-X	NIM / SM-X
SCCP Auto-Registration & Self provisioning	Yes	No	No	Yes	Yes	Yes

Cisco Collaboration ISV Ecosystem Outcomes



Webex App Hub for Calling

- Core ecosystem apps are available
- More coming every month!

The screenshot displays the Webex App Hub interface. At the top, there's a header with the 'webex App Hub' logo, a search bar, and links for 'Build Apps', 'Log in', and 'Sign up'. Below the header, a sidebar lists categories: Analytics, Calendar & Scheduling, Collaboration Management, Customer Relations, Customer Support, Developer Tools, Doc Management, Education, Finance, Healthcare, Human Resources, Internet of Things, Marketing & Sales, Platform, Productivity, Project Management, and Recording & Transcriptions. The main area is titled 'All Webex Calling Apps' and shows a grid of application cards. Each card includes an icon, the app name, and a brief description. The apps listed include: Atmos by CallCabinet, Nevotek VipConnect, Shadow All In One Analytics, Kurmi Software Suite, VipConnect Healthcare, Imagicle UC Suite, Tenfold CRM Connector, Peak Analytics, Infotel Select, Microcall CDR Reporting, Plenom Busylight, Zluri, Samwin Presence, CoreyHealth™ Workflow App for Providers, CoreyPatient™ Patient Engagement App, PlaceOS VirtualCare, iCall Suite Analytics, Call Control, Akixi Reporting and Analytics, InformaCast, Unified Messaging with Google Workspace, Dubber Unified Conversational Recording, IR Collaborate - Experience Management, Go Integrator, Horizon Mobility® For SP/VAR/Enterprise, and Peak Wallboard.

Hybrid

(Phased Migrations)

Successfully Migrating to and deploying Webex Calling

Simplifying the transition to the cloud

Hybrid and advanced calling features
maximize ROI and flexibility – no 80/20 rule

Centralized enterprise dial plans

- Configure advanced Enterprise dial plans to optimize on-network call routing

Trunks and route groups

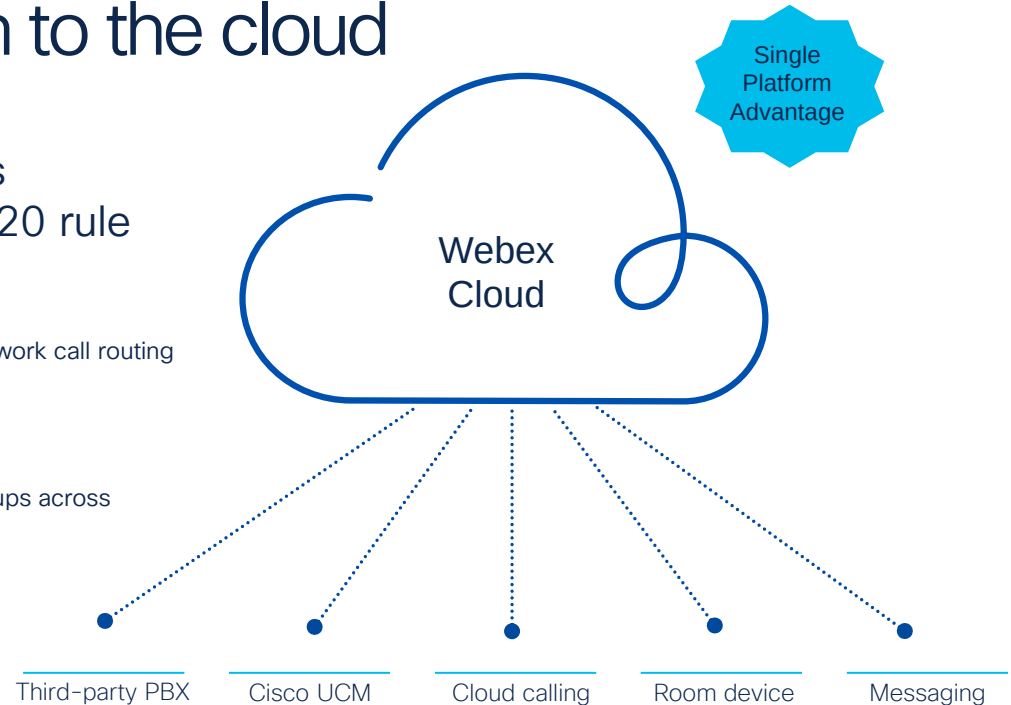
- Geo-redundant routing policies for enterprise trunks
- Scale call traffic to the PSTN using geo-redundant trunk groups across enterprise sites

Media optimization

- ICE for calling media
- Regional media for cloud connected PSTN

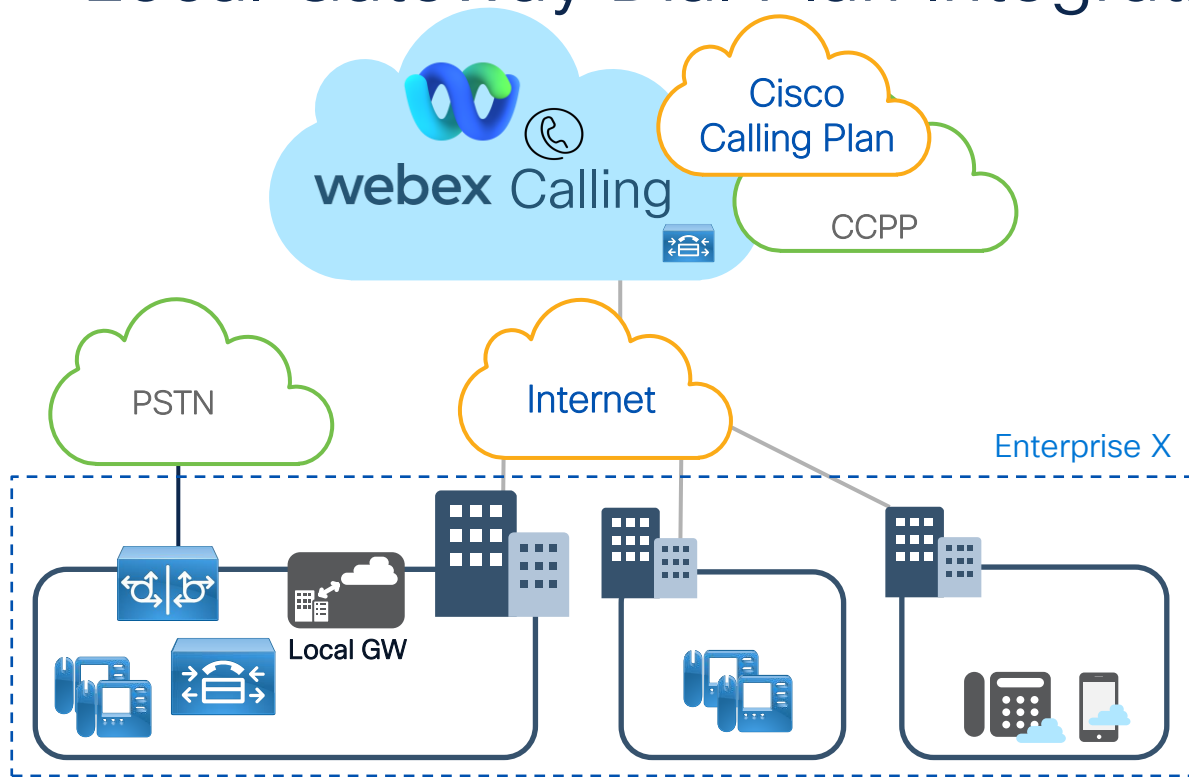
Centralized calling analytics

- Usage, call quality*



Hybrid-migration journeys from on-prem PBX to native cloud
site by site, or user by user with full collaboration suite

Local Gateway Dial Plan Integration

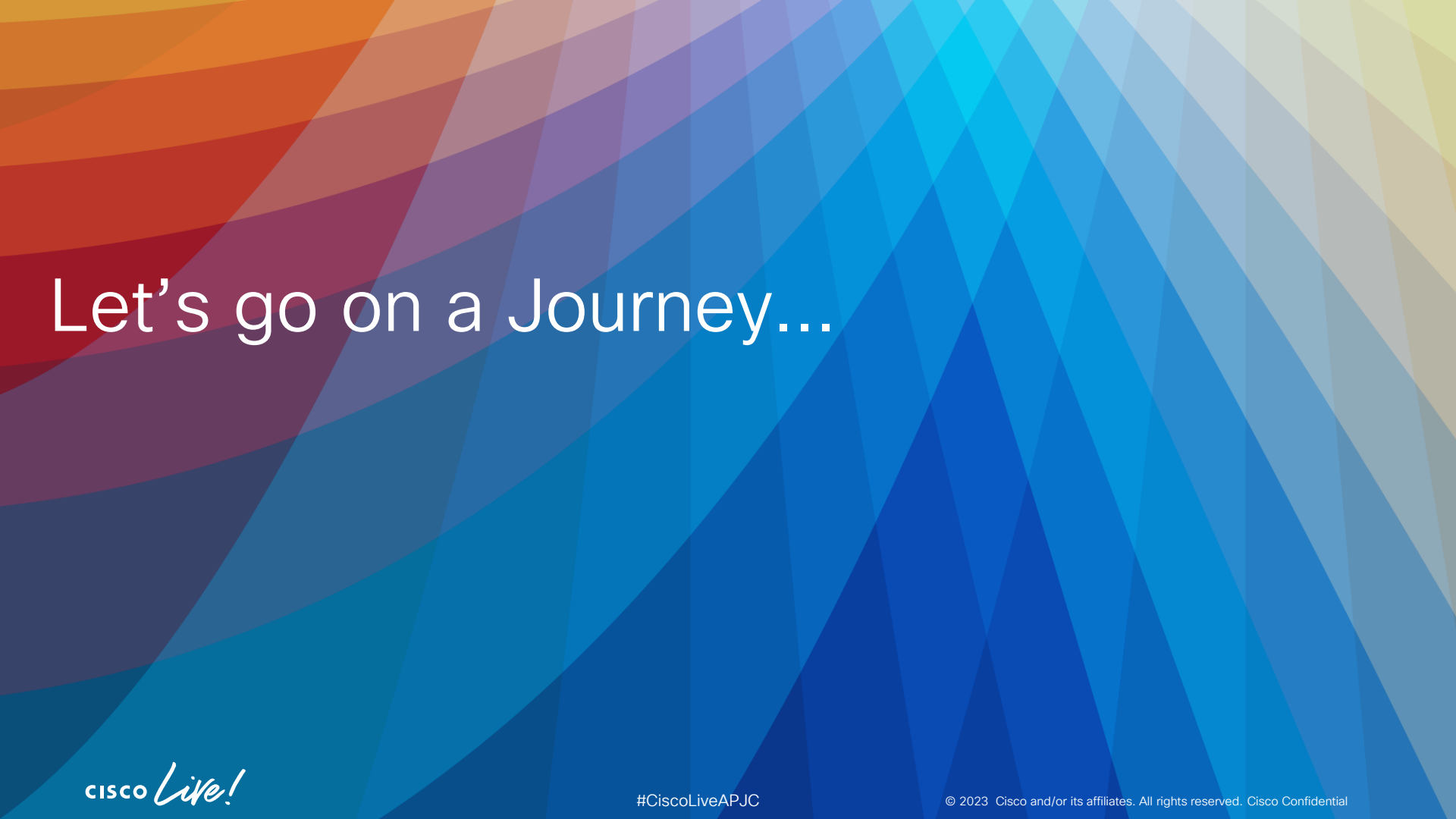


- Enterprise dial plan on Unified CM needs to deterministically send Webex Calling destinations to Webex Calling via Local Gateway
- Dial plan has to support “typical” dialing habits to reach Webex Calling destinations
- Webex Calling destinations need to be regularly updated during transition period as users move to Webex Calling

Interworking: Unified CM On-Premises, Webex Calling and Dedicated Instance

- Interworking w/ on-premises Unified CM required during transition period
- Connect Unified CM to dedicated instance or multi-tenant?
- Considerations
 - Dedicated instance not meant to act as tandem (session manager)
 - Where does the majority of the users live?
 - Capabilities: SIP/SIMPLE presence, CCNR/CCBS, ...
 - PSTN: (ab)use CCPP for prem users using DI as transit? Use prem PSTN for both, Webex Calling and Di?
- Multi-tenant can route between users on dedicated instance and on-premises Unified CM using Webex Calling dial plans





Let's go on a Journey...

The migration journey

①

Gain insights into your user base and identify its cloud readiness using Cloud Connected UC



②

Modernize the user experience with the Webex app or plugin into other apps



③

Subscribe to Webex Calling and plan the move



④

Start moving cloud ready users and devices leveraging built-in migration tools



⑤

Migrate remaining users at your own pace



CONNECT TO CLOUD

MOVE AT YOUR PACE



WebexGo for ultimate mobile experience



Growth-ready without friction



Cloud managed local survivability



Sustainability



PSTN consolidation



Workloads consolidation



Continued innovation with Cloud integrations



Modern devices



Operational efficiency with Webex APIs

THEN KEEP ADDING VALUE

Migration Support

Methods Supporting Migrations and Beyond

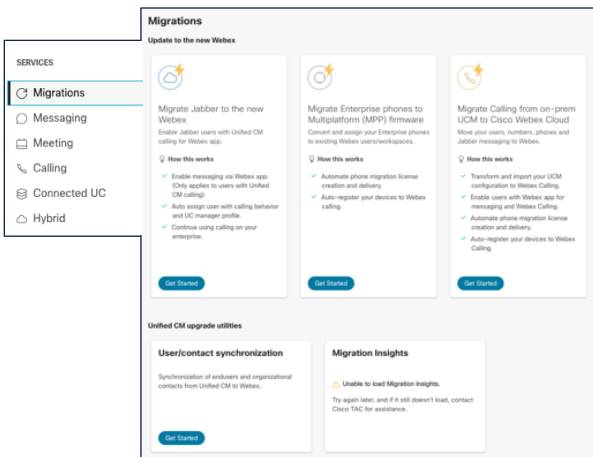
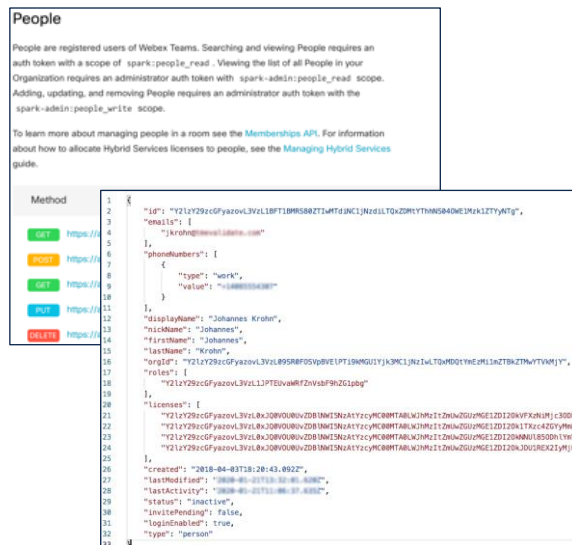
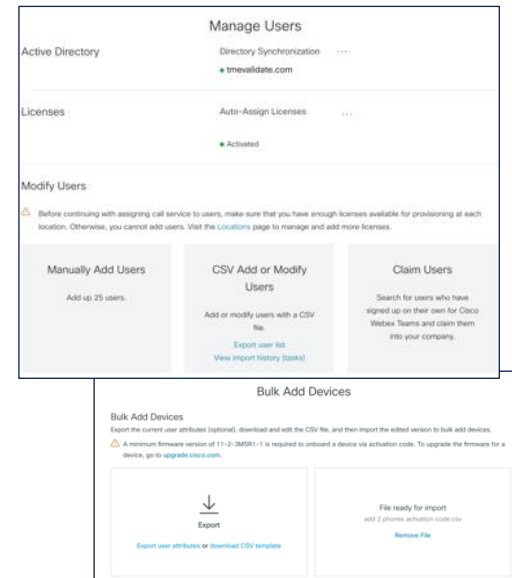


MOVE AT YOUR PACE

Control Hub Tools

Webex APIs

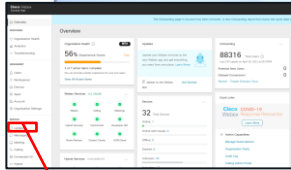
Control Hub Manual / Batch





Control Hub migration tools

MOVE AT YOUR PACE



SERVICES

Updates & Migrations

- Messaging
- Meeting
- ☎ Calling
- ▶ Vidcast
- ☒ Connected UC
- Hybrid

Migration Insights

1

- Plan your move to cloud effectively
- Gain insight into the on-premises features

View

Run pre-migrate checks on my on-premises.

User/contact synchronization

2

Synchronization of endusers and organizational contacts from Unified CM to Webex.

Get started

Migrate or sync my Users & Org/Personal Contacts.



3

Migrate Jabber to the new Webex

Enable Jabber users with Unified CM calling for Webex app.

How this works

- ✓ Enable messaging via Webex app. (Only applies to users with Unified CM calling)
- ✓ Auto assign user with calling behavior and UC manager profile.
- ✓ Continue using calling on your enterprise.

Get Started

Change softclients & messaging to Webex (calling stays UCM).



4

Migrate Calling from on-prem UCM to Cisco Webex Cloud

Move your users, numbers, phones and Jabber messaging to Webex.

How this works

- ✓ Transform and import your UCM configuration to Webex Calling.
- ✓ Enable users with Webex app for messaging and Webex Calling.
- ✓ Automate phone migration license creation and delivery.
- ✓ Auto-register your devices to Webex Calling.

Get Started

Change calling, messaging and softclients to Webex. Migrate UCM users, devices, locations, numbers.



5

Migrate Enterprise phones to Multiplatform (MPP) firmware

Convert and assign your Enterprise phones to existing Webex users/workspaces.

How this works

- ✓ Automate phone migration license creation and delivery.
- ✓ Auto-register your devices to Webex calling.

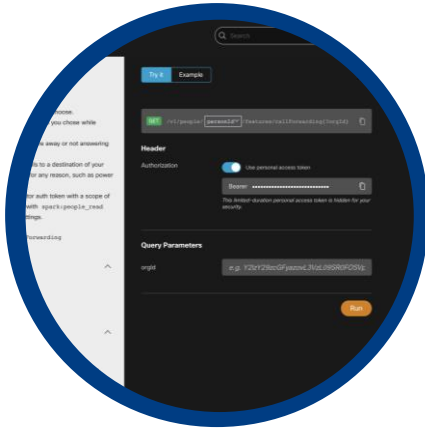
Get Started

Change phone firmware to Webex with less screens, clicks & time.



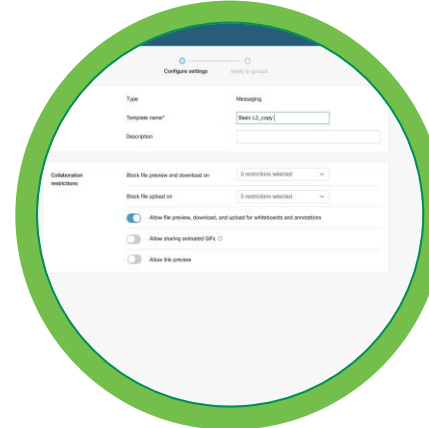
APIs, CSV and Bulk

MOVE AT YOUR PACE



- API access
- CSV access
- Control Hub updates

Bulk Provisioning Tools



- Active Directory Integration
- Licensing Templates
- Calling Services Templates

Calling Capabilities with Groups

Webex Setup Assist Migration Phases

Discovery & Assessment

- Project Kick-off Call with Customer & Partner
- Determine project milestones and timelines
- Network and firewall requirements
- Assess out-of-scope elements
- Data Gathering Workbook review
- SIP endpoint and CPE compatibility

Planning Phase

- Define migration strategy
- Confirm location priority and scheduling
- Migration window plan confirmed
- Validate network changes
- Confirm new equipment readiness
- Verify onsite resources are engaged

Go Live

- Deploy onsite equipment
- Perform device upgrades and reconfigurations
- Port the telephone numbers
- Perform test plan to validate configuration
- Customer confirms project is complete
- Transition to long-term support 5 business days after Go Live
- Operations hand-off to partner/Customer

Solution Design Phase

- Review Data Gathering Workbook for feature gaps
- Workshop to finalize feature configuration
- Network requirements per location
- Develop test plan
- Consolidate, normalize, optimize lift and shift or a combination
- Define DI deployment: dial plan, PSTN routing, system feature configs, 3rd-party and external component connectivity, etc

Implementation Phase

- Gain admin access to Control Hub or Console
- Configure Cloud Calling services
- Receive number porting confirmation
- Confirm test phone to validate network configuration
- Execute migration and test plans to validate
- Adjust configurations as necessary
- Customer acceptance test plan

Pre-Assessment and Migration Partner ecosystem



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You can have a
one-on-one session with
a technical expert!

Visit Meet the Expert in The HUB
to meet, greet, whiteboard & gain
insights about your unique questions
with the best of the best.



Meet the Expert Opening Hours:

Tuesday	3:00pm – 7:00pm
Wednesday	11:15am – 7:00pm
Thursday	9:30am – 4:00pm
Friday	10:30am – 1:30pm

Session Surveys

We would love to know your feedback on this session!

- Complete a minimum of four session surveys and the overall event surveys to claim a Cisco Live T-Shirt



Continue your education



- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Expert meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



The bridge to possible

Thank you

CISCO *Live!*

#CiscoLiveAPJC

The background is a vibrant, abstract graphic. On the left, there are overlapping, wavy shapes in shades of red, orange, and yellow, resembling a stylized cloud or a series of overlapping circles. On the right, a bright white light source emits a series of colorful rays in shades of blue, green, and yellow, creating a sunburst effect. The overall color palette is a rainbow spectrum.

cisco *Live!*

Let's go

#CiscoLiveAPJC