

CISCO *Live!*



#CiscoLive



The bridge to possible

Journey to Cloud

Webex Edge for Devices

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@Webex_se

BRKCOL-2029



#CiscoLive

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 June 17, 2022.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKCOL-2029>

Agenda

- Introduction.
- Reference Architecture.
- Journey to Cloud.
- Considerations and Caveats.
- Webex Edge for Devices.
- What does this all mean?
- Conclusion.

Reference Architecture

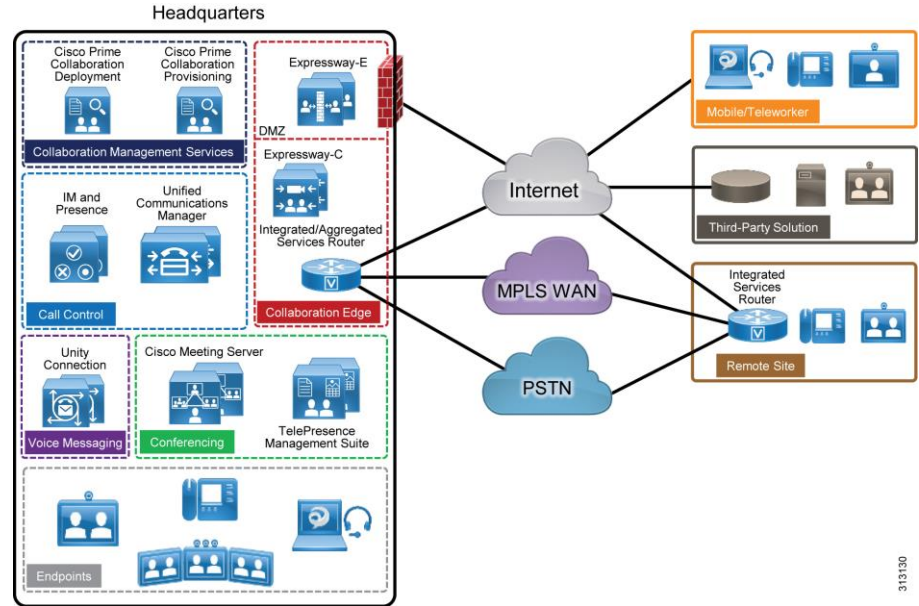
Reference Architecture

Cisco Collaboration for on-premises deployments

The Cisco Collaboration on-premises Preferred Architecture (PA) provided end-to-end collaboration targeted for a wide range of customers.

For the purpose of this session, the PA design shown to the right has been the starting point.

This particular PA is from the CVDG for Cisco Collaboration 12.x On-Premises deployments.



<https://www.cisco.com/c/en/us/td/docs/solutions/PA/overview/12x/clbpa12x.html>

Reference Architecture

Webex devices

For the purpose of this session, features, capabilities, services and user experiences that can be realized through a journey to cloud have been based on the most recent series of devices.

This includes:

- Webex Desk Series
- Webex Board Series
- Webex Room and Kit Series



Reference Architecture

Webex devices

The journey to cloud is also possible with the older generation of Webex devices.

Please note that the capabilities and features available with the older generation of Webex devices will differ to the recent generation.

This includes:

- DX70 and DX80
- MX200 G2, MX300 G2, MX700 & MX800
- SX10N, SX20 & SX80



Reference architecture

Webex device software requirements

Linking a Webex device to Control Hub for Webex Edge for Devices

- CE 9.15 or later
- Device must have encryption key

Migrating a Webex device from on-premises registration to cloud.

- CE 9.0 – pre CE 9.8
 - Device needs to be factory reset but will upgrade to minimum version needed to start registration
- Post CE 9.8 – introduction of xCommand for registration
- BoardOS – Webex Board will convert to CE prior to registration
- Device must have encryption key

Journey to Cloud





‘Why should I look at moving to the cloud?’



‘What is being connected to the cloud going to give me over what I already have today?’

A word cloud centered around the theme of Cisco Live! The words are arranged in a circular pattern, with the largest words being 'Control Hub', 'Workspaces', 'Integrations', 'Optimized Experience', 'Hybrid Calendar', and 'Troubleshooting'. Other words include 'Locations', 'Webex Assistant', 'Webex API's', 'Sensors', 'Bulk Configuration', 'Analytics', 'Intelligence', 'Device Alerts', 'Personal Mode', 'Webex Calling', 'Templates', 'Macro deployment', 'Status views', 'Hotdesking', 'Insights', 'Features', 'Software Upgrades', and 'Reporting'. The words are color-coded: blue for 'Control Hub', 'Workspaces', and 'Locations'; red for 'Hybrid Calendar', 'Troubleshooting', and 'Webex Calling'; green for 'Integrations', 'Optimized Experience', 'Analytics', and 'Bulk Configuration'; orange for 'Webex Assistant', 'Software Upgrades', and 'Insights'; and light blue for 'Webex API's', 'Sensors', 'Intelligence', 'Personal Mode', 'Templates', 'Macro deployment', 'Status views', 'Hotdesking', 'Features', 'Reporting', and 'Device Alerts'.

Control Hub

Locations

Webex Assistant

Webex API's

Hybrid Calendar

Analytics

Intelligence

Sensors

Bulk Configuration

Device Alerts

Personal Mode

Workspaces

Webex Calling

Templates

Macro deployment

Integrations

Troubleshooting

Features

Status views

Hotdesking

Insights

Simplicity

Software Upgrades

Optimized Experience

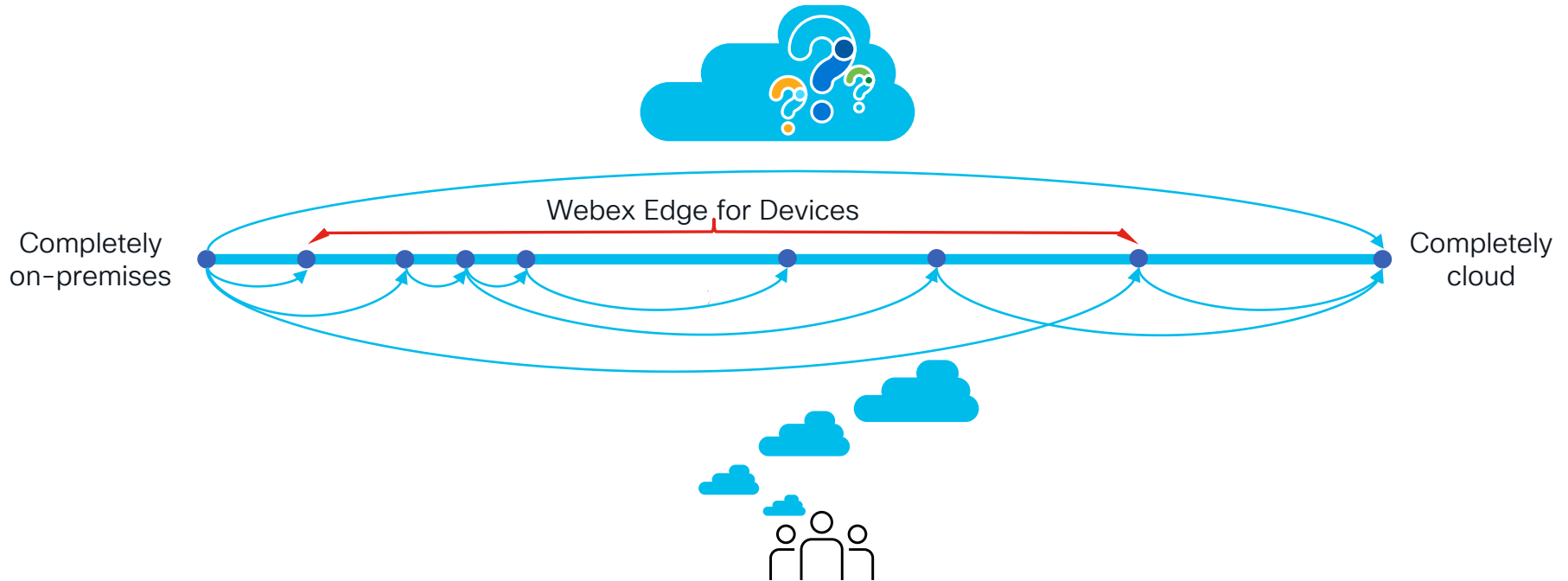
Reporting



‘How far do I need to go?’

Journey to Cloud

How far do I *or* can I go?





‘How do I get started on this journey and what does it even look like?’

Journey to Cloud for Webex devices



Calling strategy

- On-premises
- Hybrid
- Cloud
 - Calling in Webex (free)
 - Webex Calling
- Directory



Meeting strategy

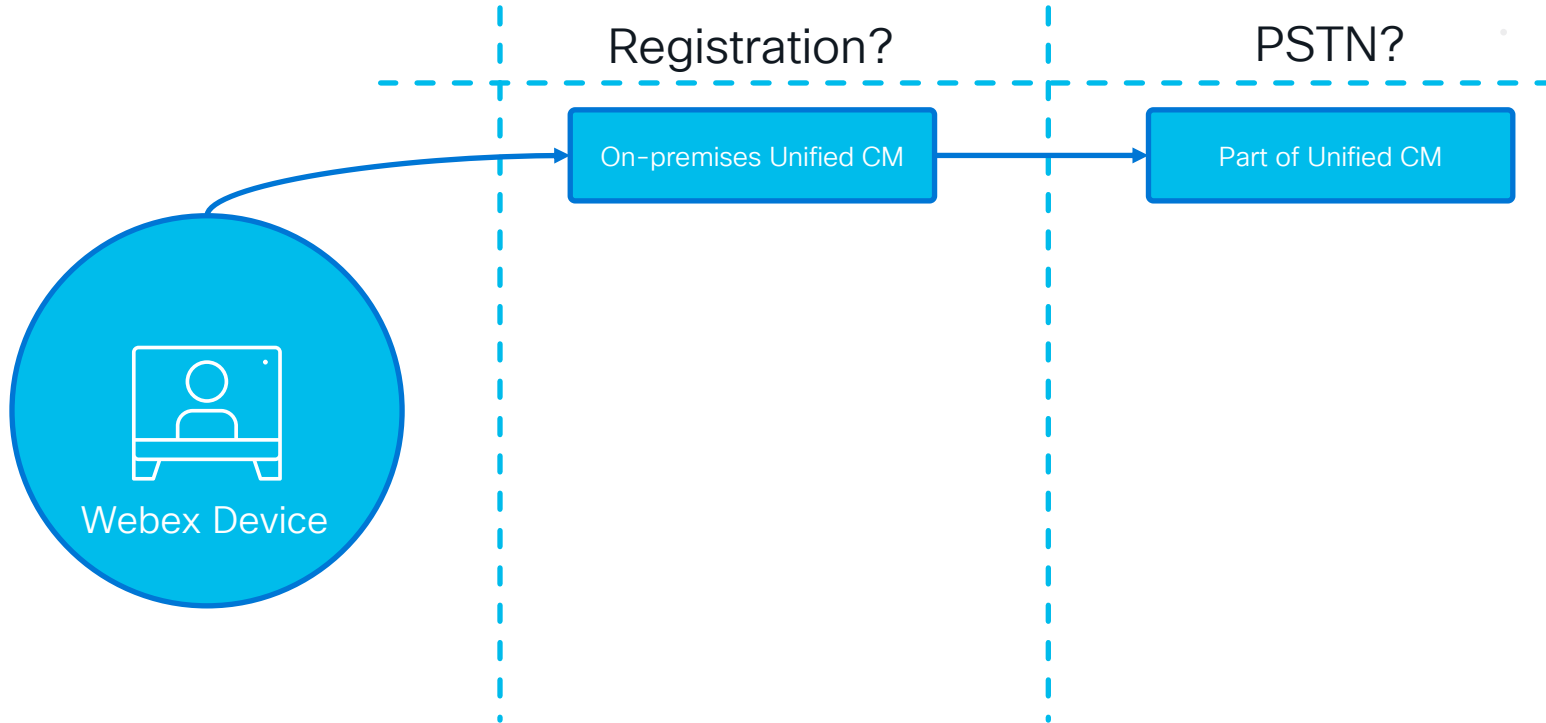
- Webex
- 3rd Party
 - Microsoft
 - Google
 - Zoom
- On-premises (CMS)
- Scheduled meetings



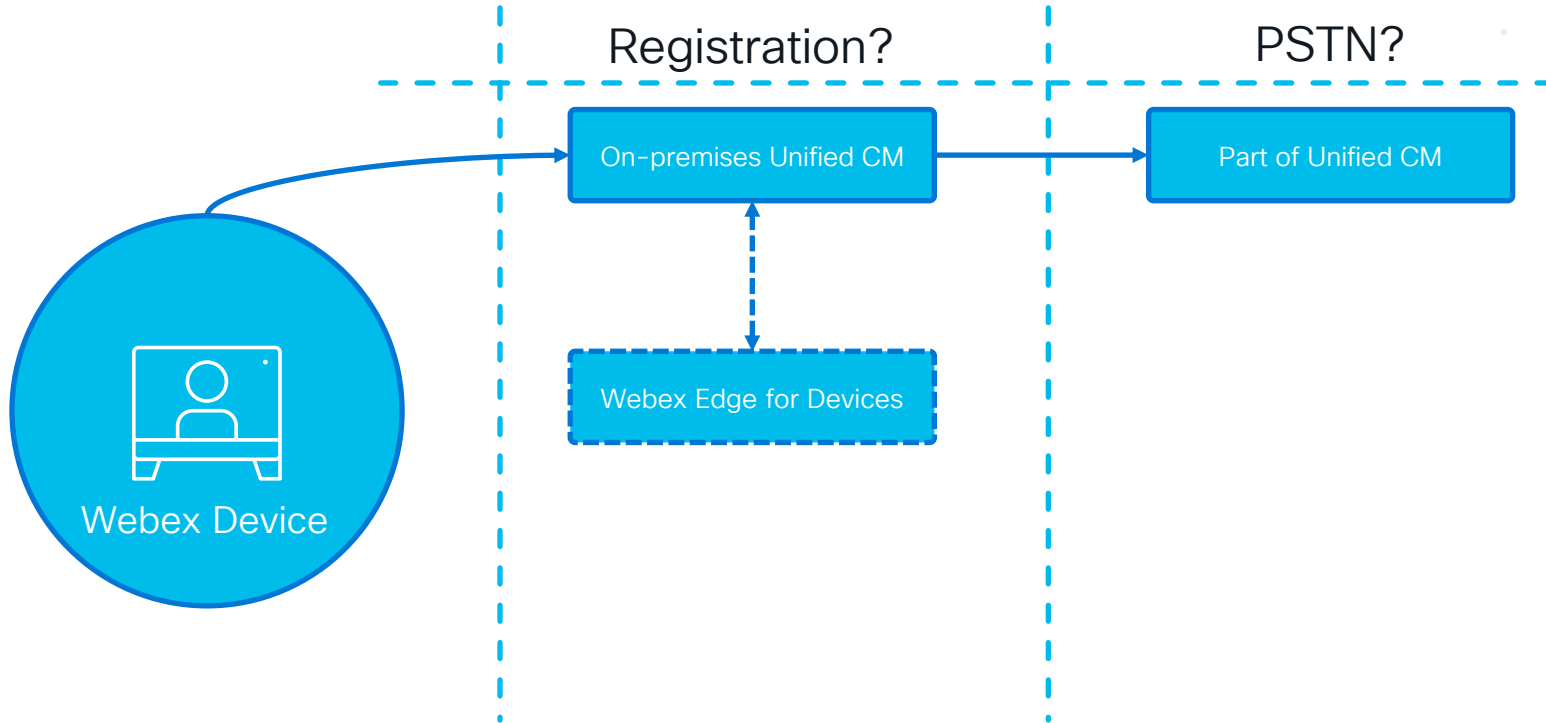
Management strategy

- Control Hub
- Programmatically (scripts/API)
- On-premises

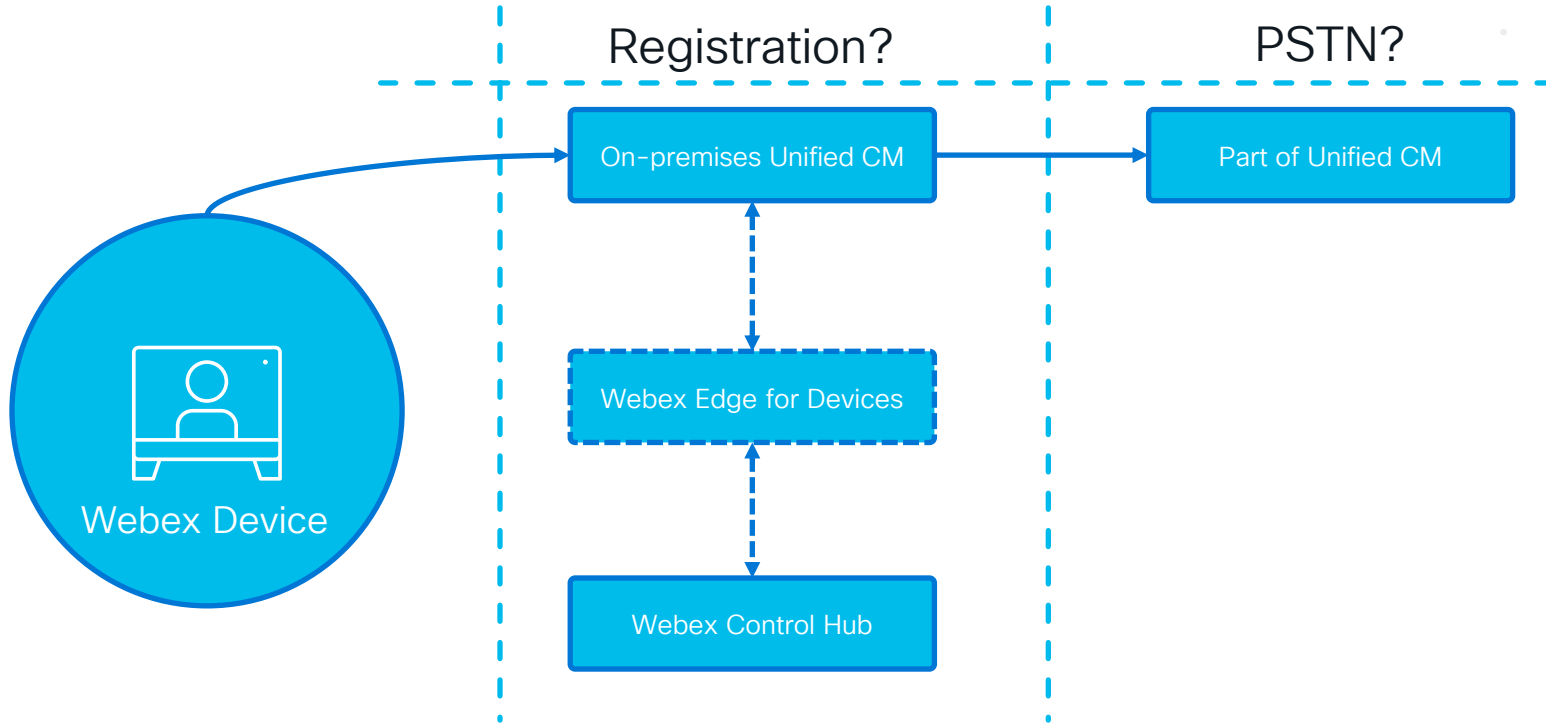
Decision time – dial tone



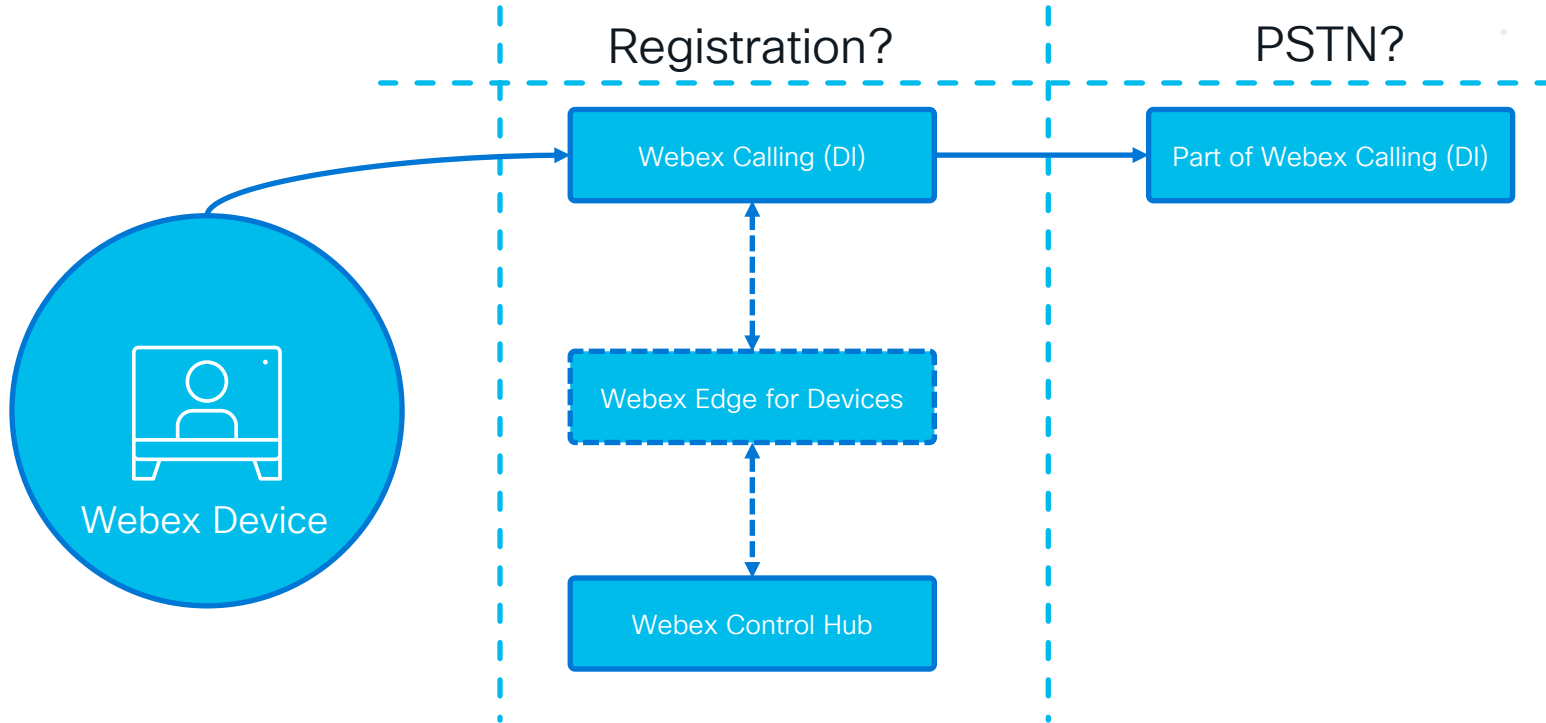
Decision time – dial tone



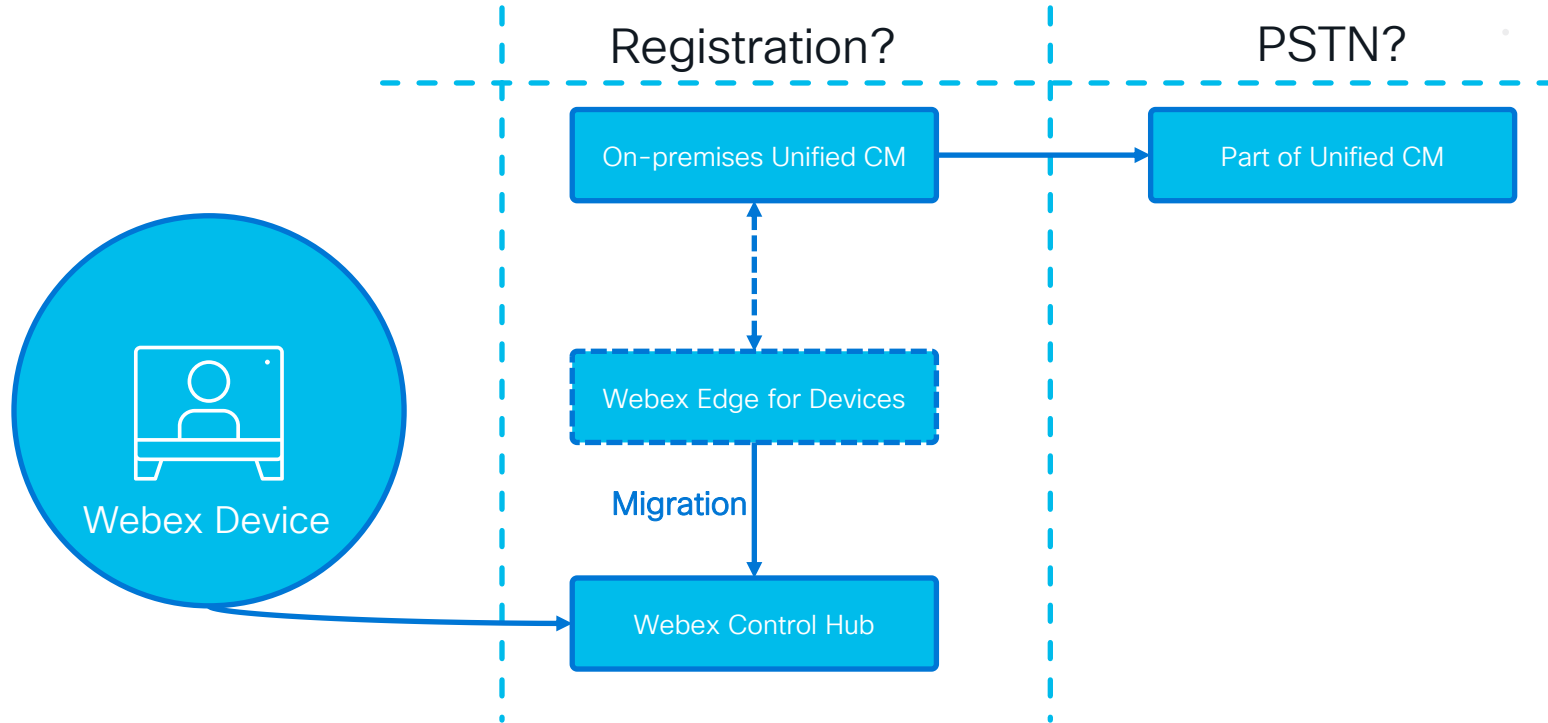
Decision time – dial tone



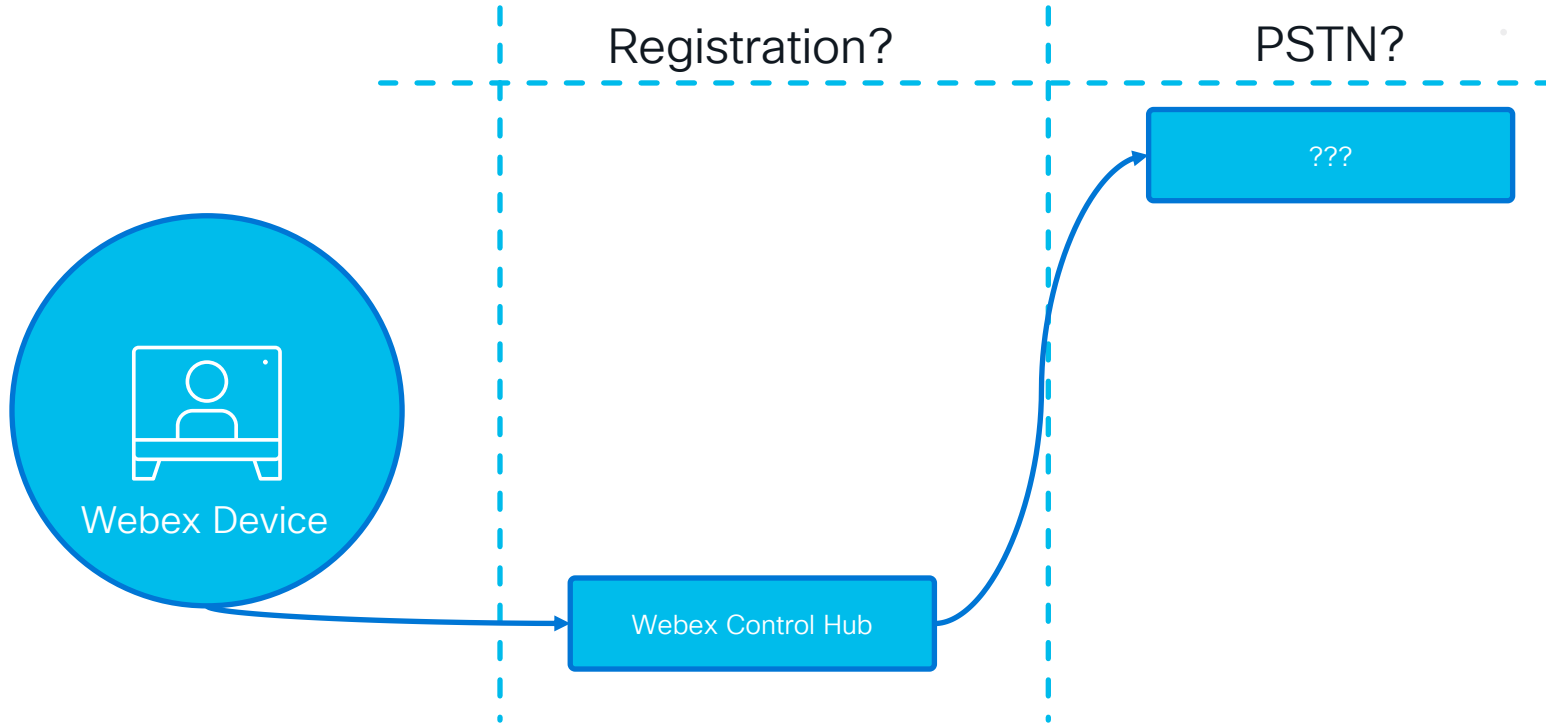
Decision time – dial tone



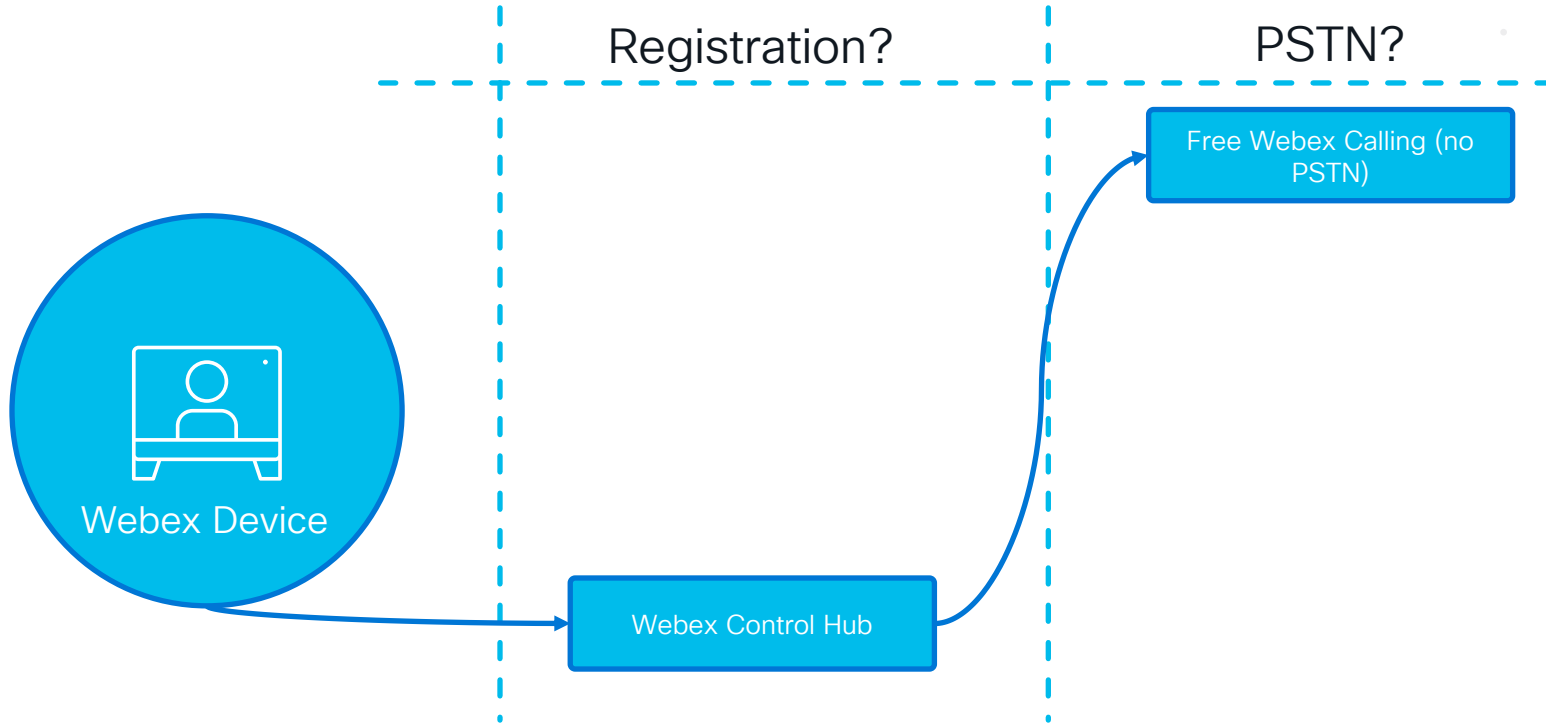
Decision time – dial tone



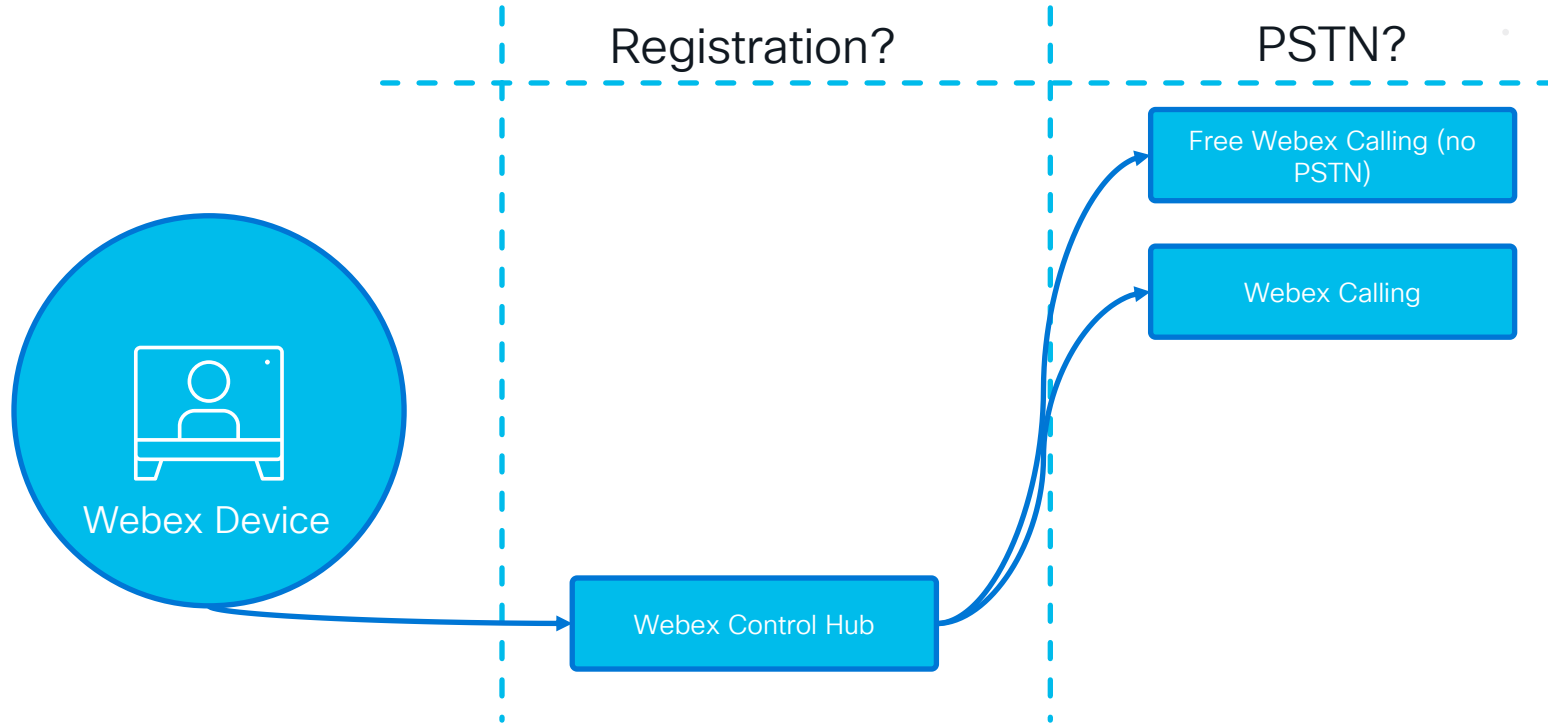
Decision time – dial tone



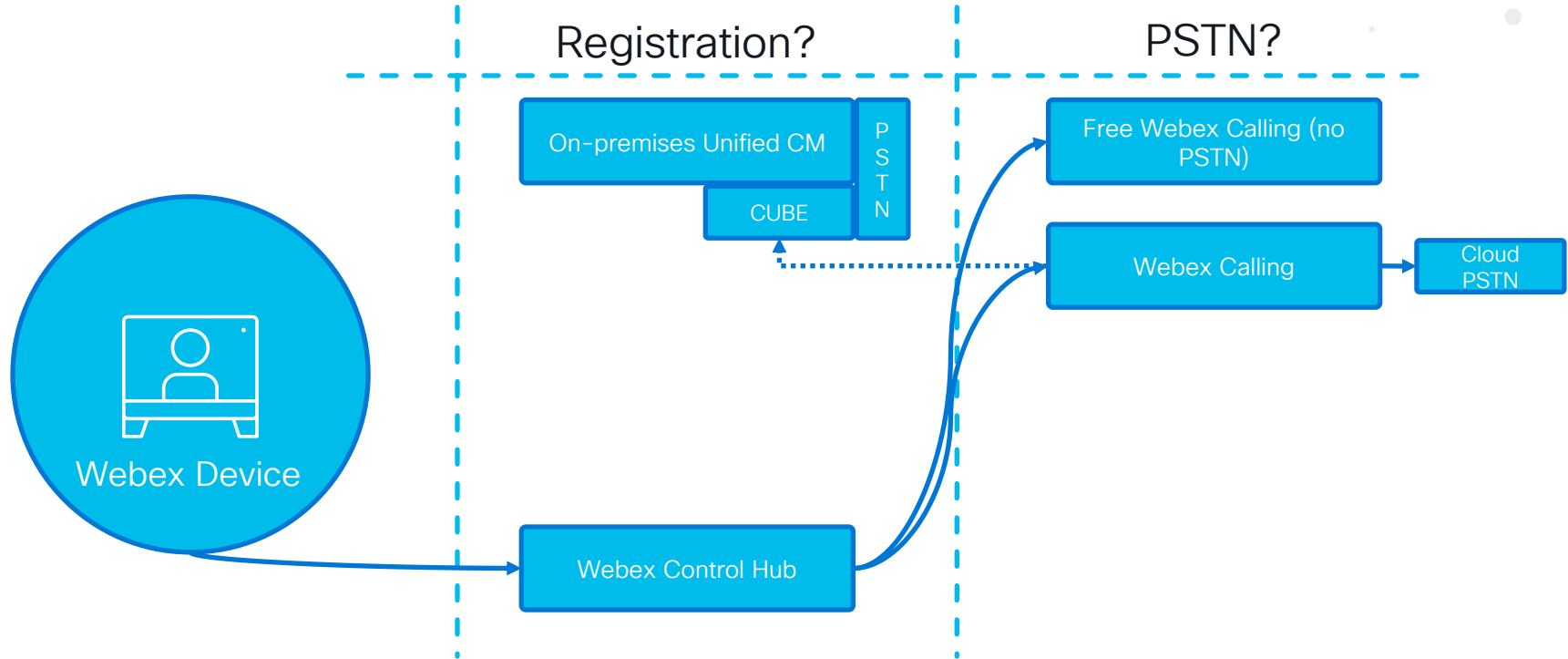
Decision time – dial tone



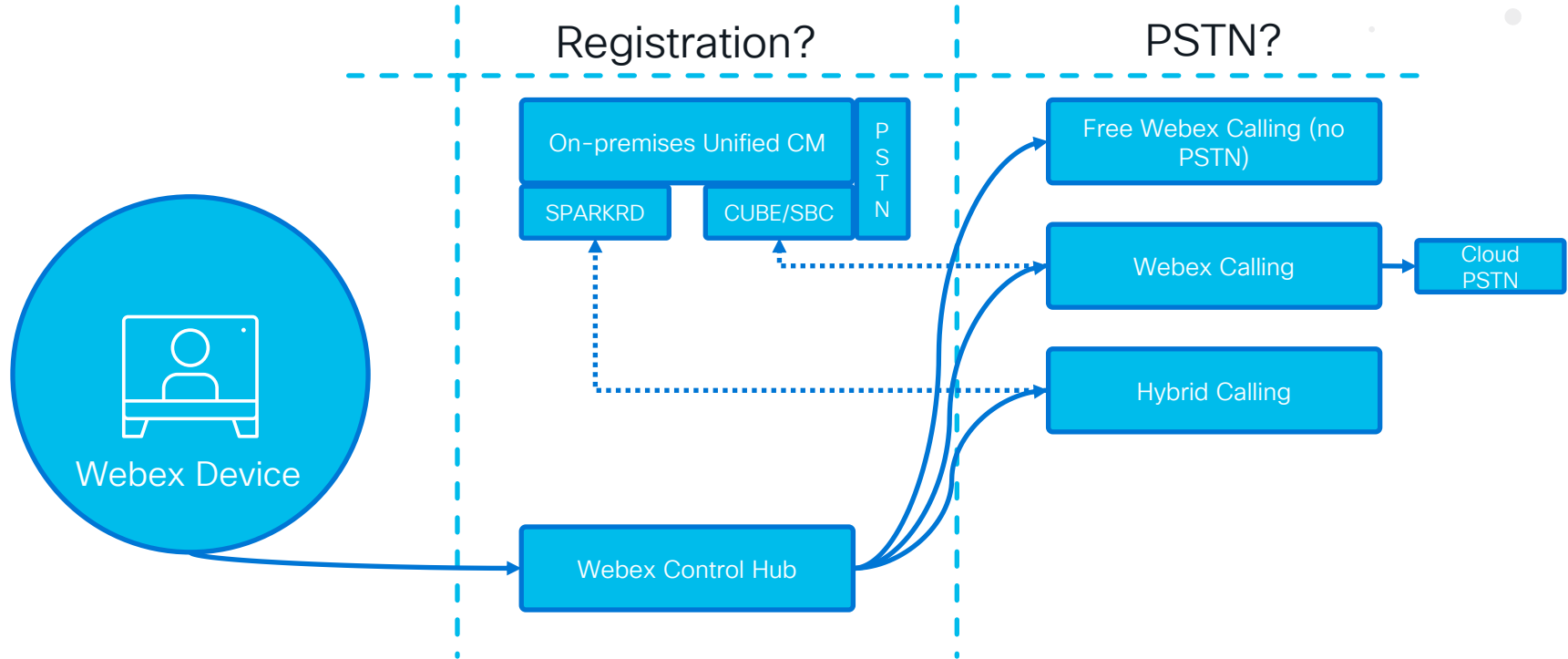
Decision time – dial tone



Decision time – dial tone



Decision time – dial tone



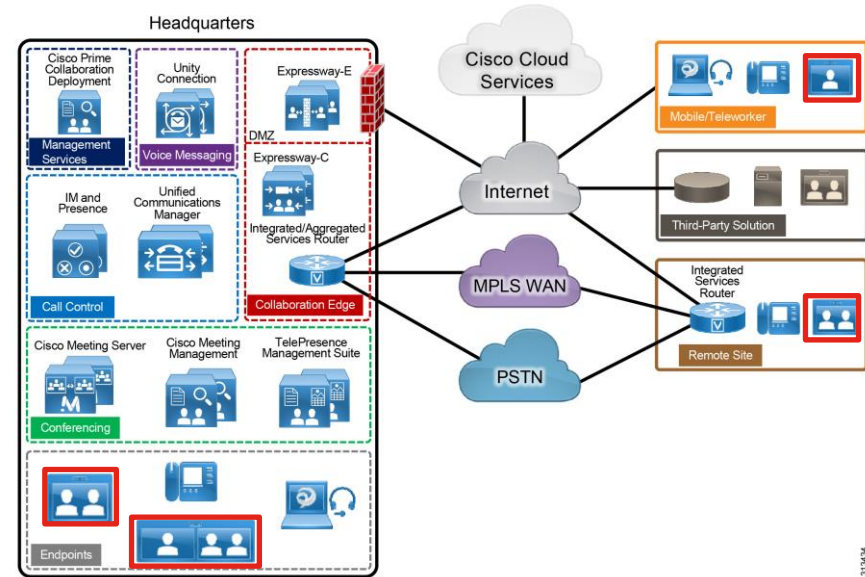
Considerations and caveats



Network considerations

On-premises deployment

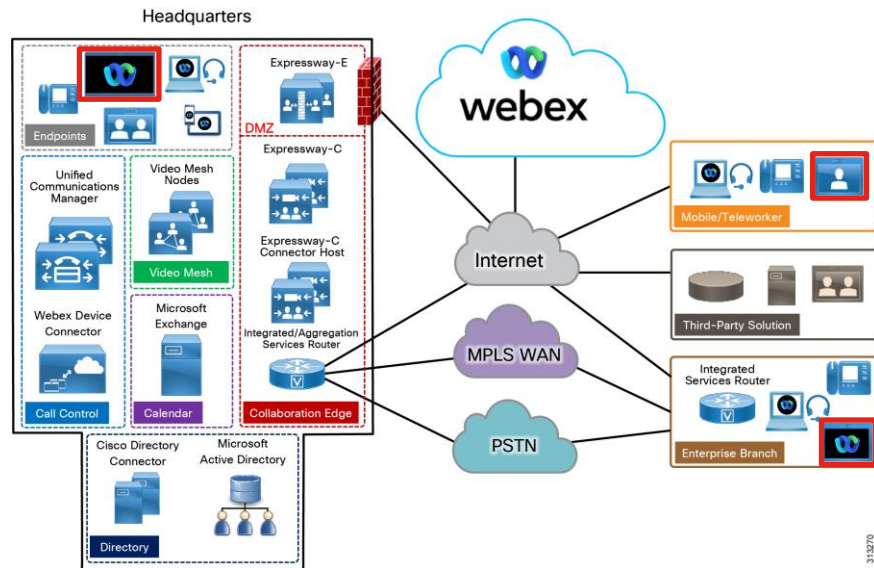
- Webex devices registered to
 - Unified CM
 - Expressway/VCS
- B2B calls via
 - Expressway
 - VCS
- Remote locations
 - Unified CM via MRA



Network considerations

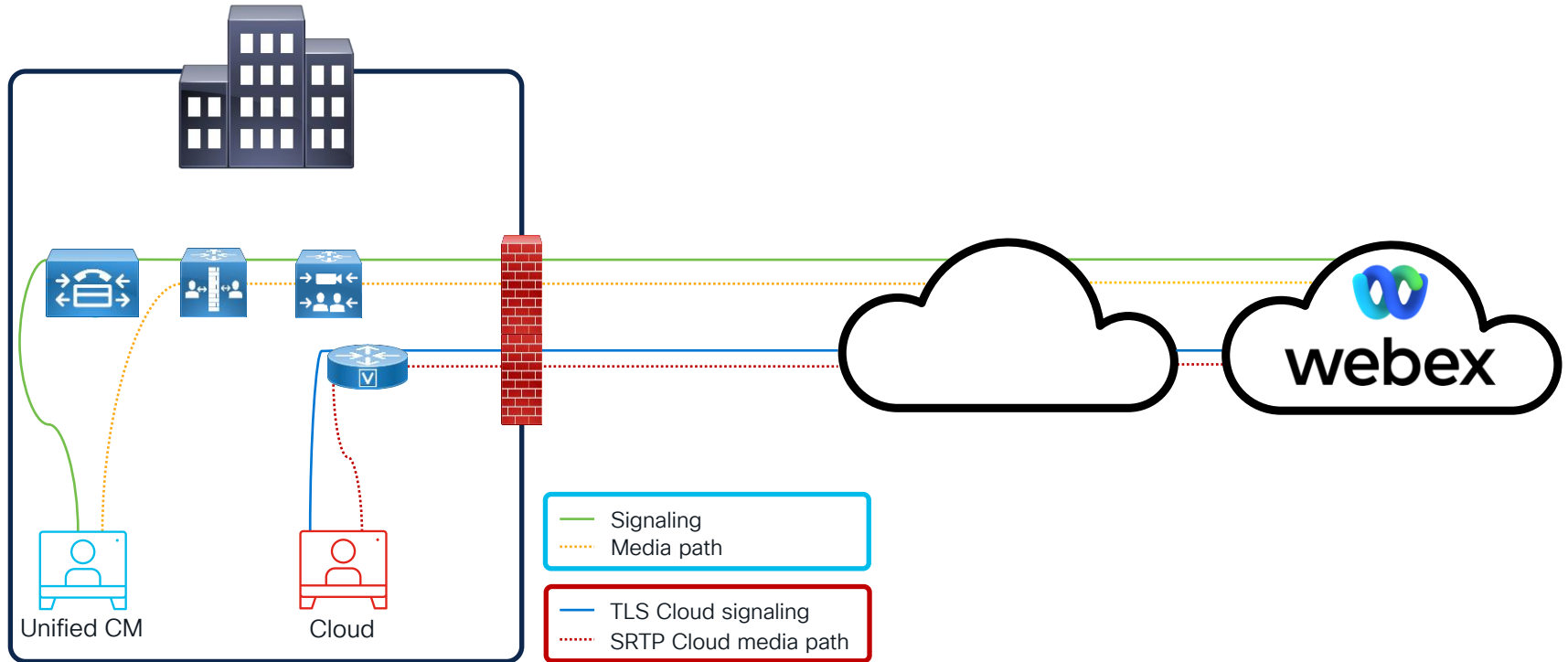
Cloud deployment

- Webex device registered to:
 - On-premises with Webex Edge for Devices
 - Unified CM/Expressway/VCS
 - Control Hub



Network considerations

On-premises vs Cloud



Network considerations

Cloud signaling – required component

Webex Services – Port numbers and Protocols – Signaling

Destination Port	Protocol	Description
443	TLS	Webex HTTPS signaling – session establishment to Webex services is based on defined URL's rather than IP addresses
123*	UDP	Network Time Protocol (NTP)
53*	UDP TCP	Domain Name System (DNS)

* If the enterprise network is providing these services, these ports do not need to be opened through the firewall.



Always check the Network Requirements for Webex Services help article for the most up to date information.
<https://help.webex.com/en-US/article/WBX000028782/Network-Requirements-for-Webex-Services>

Network considerations

Cloud media – required component

Webex Services – Port numbers and Protocols – Media

Destination Port	Protocol	Description
5004 and 9000	SRTP over UDP	Encrypted audio, video and content sharing from Webex devices.
5004	SRTP over TCP	Encrypted content sharing from Webex devices. TCP also serves as a fallback transport for encrypted audio and video if UDP cannot be used.
443	SRTP over TLS	Used as a fallback transport protocol for encrypted audio, video and content sharing if UDP and TCP cannot be used. Media over TLS is not recommended in production environments.

For a list of destination IP subnets refer to the section *"IP subnets for Webex media services"* in the URL below



Always check the Network Requirements for Webex Services help article for the most up to date information.
<https://help.webex.com/en-US/article/WBX000028782/Network-Requirements-for-Webex-Services>

Network considerations

Cloud service URL's – required component

Core Webex service URL's

Domain/URL	Description
*.wbx2.com *.ciscospark.com	Webex microservices – for example: Software upgrade service, Key management, Hybrid Calendar service.
*.webex.com *.cisco.com	Webex meeting service, Webex device onboarding services, authentication services.
*.webexcontent.com	Whiteboard content, device log files, branding logos.



Always check the Network Requirements for Webex Services help article for the most up to date information.
<https://help.webex.com/en-US/article/WBX000028782/Network-Requirements-for-Webex-Services>

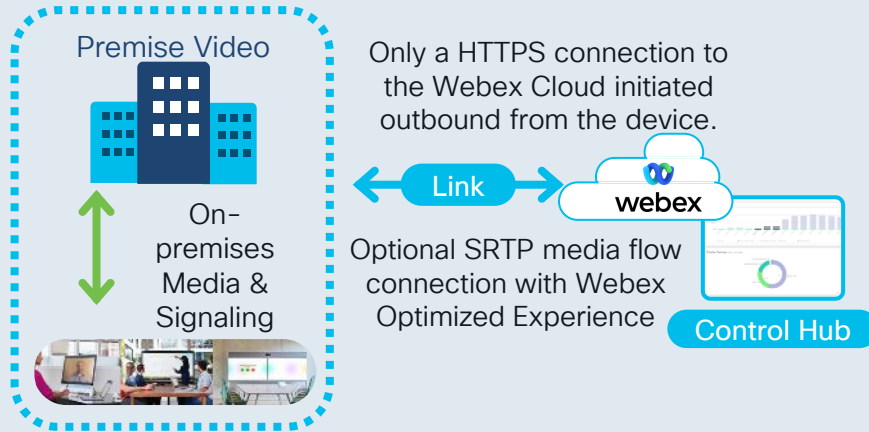
Webex Edge for Devices



Webex Edge for Devices

High level overview

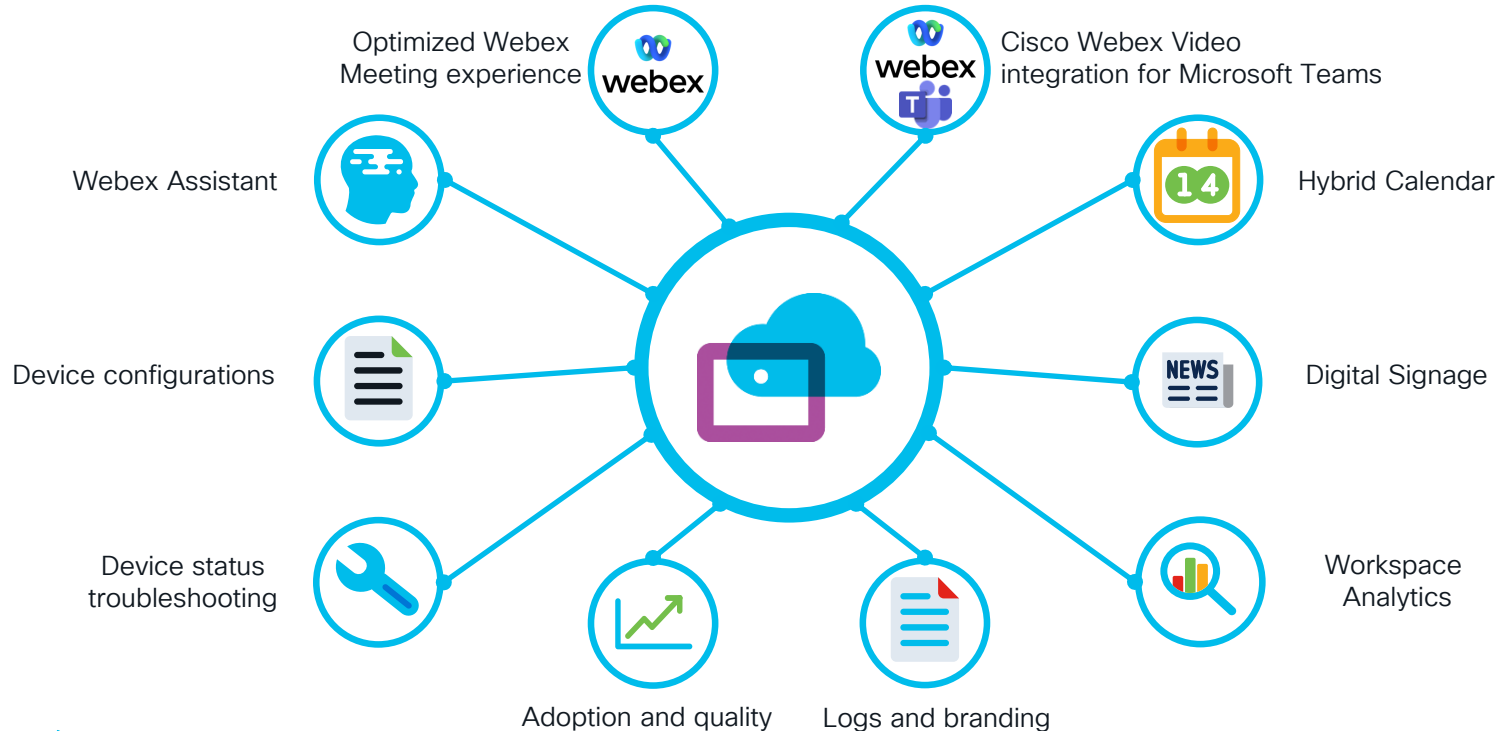
Deliver insights and diagnostics for on-premises Webex devices by linking them to the Webex cloud.



- Business-critical calling and media stays on-premises.
- Hybrid deployment and customer migration at their pace.
- Simplified single pane of glass with insights through Control Hub.
- This feature will enable more cloud services with time in phases.
- Optional Webex Optimized experience

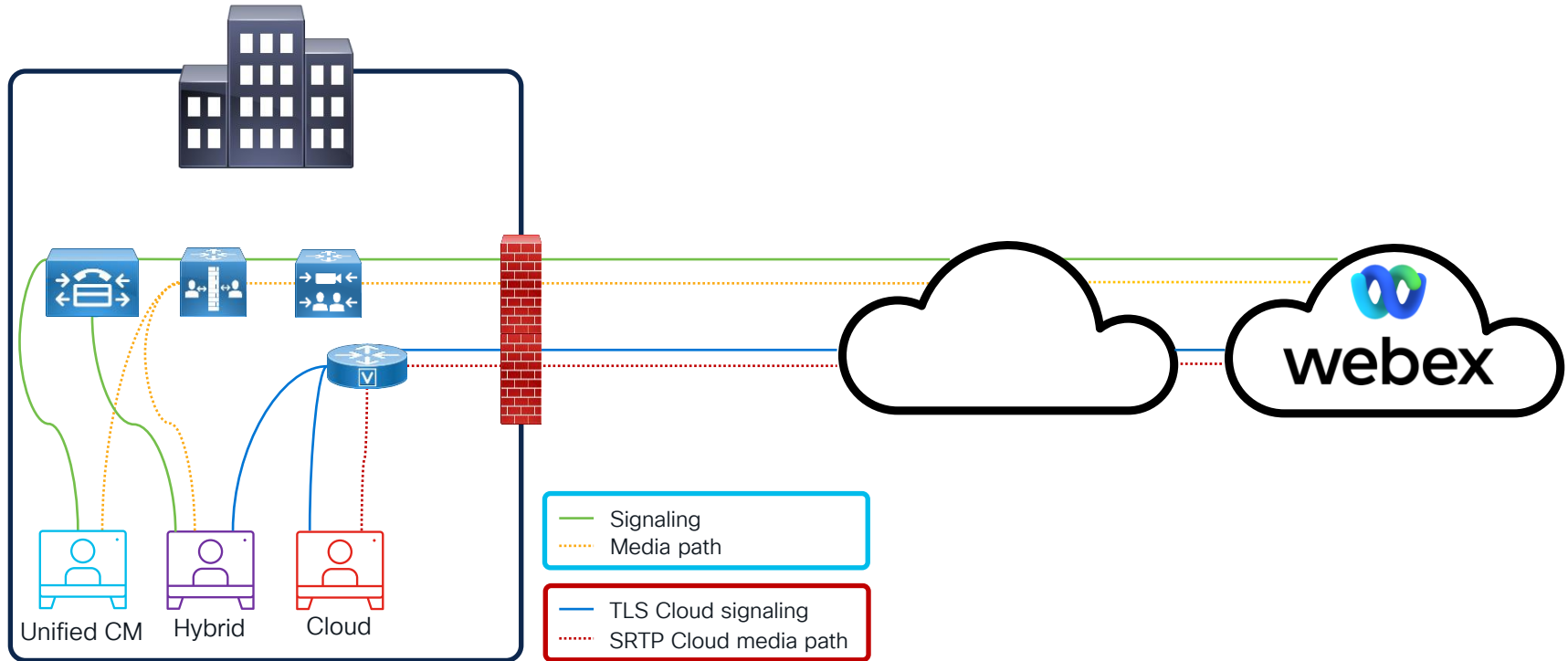
Webex Edge for Devices

High level feature overview



Network considerations

Webex Edge for Devices



Network considerations

Webex Edge for Devices

- Network requirements are 95% the same as if the device is fully cloud registered
- Mandatory cloud signaling ports and protocols
- Mandatory Cloud service URL's
- No media requirements to the cloud

The Webex apps, devices, and services covered in this table include:

The Webex app, Webex Room devices, Video Mesh Node, Hybrid Data Security node, Directory Connector, Calendar Connector, Management Connector, Serviceability Connector.

For guidance on ports and protocols for devices and Webex services using SIP can be found in the section "Network requirements for SIP based Webex services".

Webex Services - Port Numbers and Protocols			
Destination Port	Protocol	Description	Devices using this rule
443	TLS	Webex HTTPS signaling. Session establishment to Webex services is based on defined URLs, rather than IP addresses. If you are using a proxy server, or your firewall supports DNS resolution; refer to the section "Domains and URLs that need to be accessed for Webex Services" to allow signaling access to Webex services.	All

*.quovadisglobal.com *.digicert.com *.godaddy.com *.identrust.com *.lenicr.org	Used to request Certificate Revocation Lists from these Certificate Authorities Note - Webex supports both CRL and OCSP stapling to determine the revocation status of certificates. With OCSP stapling, Webex apps and devices do not need to contact these Certificate Authorities	All
*.intel.com	Used to request Certificate Revocation Lists and check the certificate status with Intel's OCSP service, for certificates sent with background images used by Webex apps and devices	All

Domains and URLs that need to be accessed for Webex Services

Cisco Webex Services URLs		
Domain / URL	Description	Webex Apps and devices using these domains / URLs
*.webx2.com *.ciscospark.com	Webex micro-services. For example : Messaging service File management service Key management service Software upgrade service Profile picture service Whiteboarding service Proximity service Presence service Registration service Calendar service Search service	All
*.webex.com *.cisco.com	Webex Meetings services Identity provisioning Identity storage Authentication OAuth services Device onboarding Cloud Connected UC	All
	Webex messaging service - general file storage including:	All

Webex Optimized Meeting experience

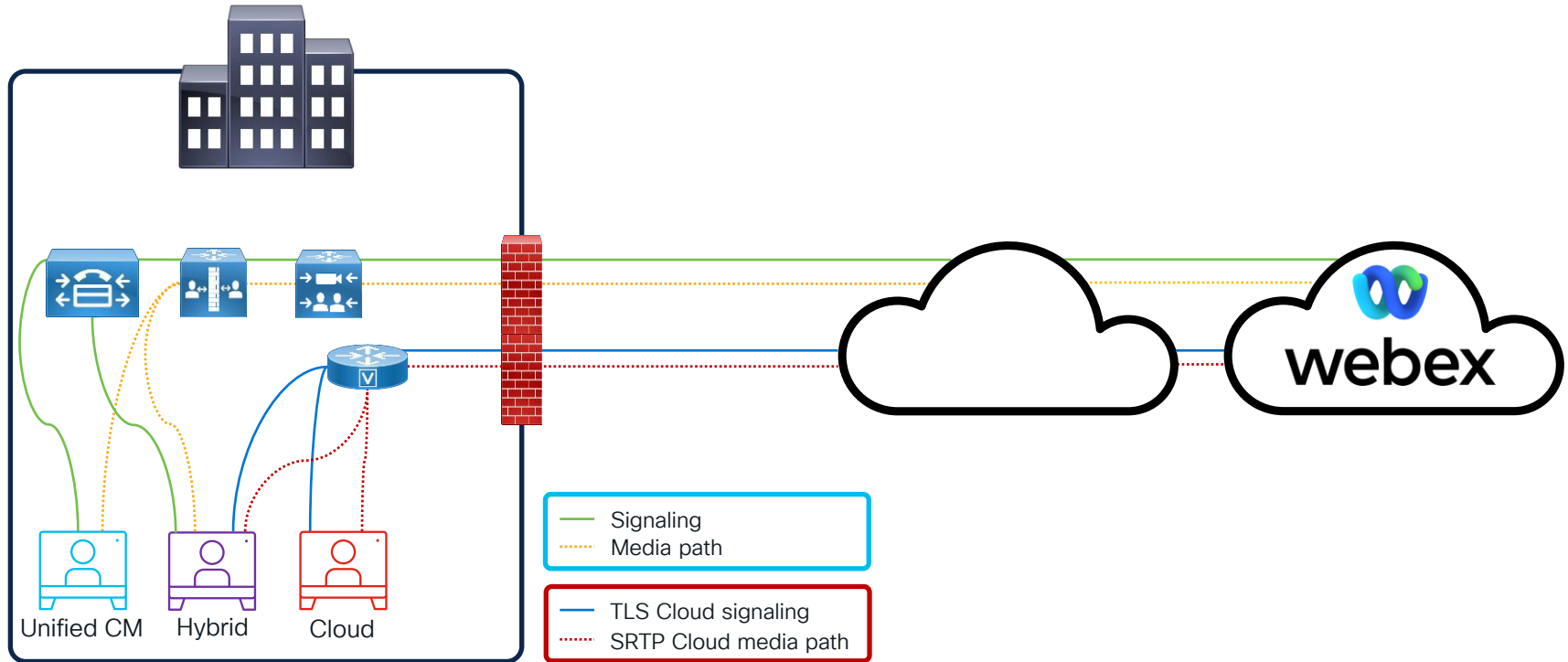
Webex Edge for Devices

Webex Optimized Meeting experience

- Enriched user experience when calling into a Webex meeting
 - Advanced host controls for meeting management
 - Advanced in-meeting experience
- Cloud managed software
 - Cloud Upgrade mode is mandatory.
 - Advanced Software Management is optional
- Pairing and Sharing
 - Cloud Proximity
 - Guest Share

Network considerations

Webex Edge for Devices – Webex Optimized Meeting experience



What does this
all mean?

Core Webex Meeting Features

Host Meeting Control from Webex device

	Unified CM only	Webex Edge for Devices	Webex Edge for Devices with Optimized Experience	Cloud registration
Search for a users Webex PR	No	Yes	Yes	Yes
Start meeting from device	Yes, video IVR for meeting entry	Yes, video IVR for meeting entry	Yes – meeting number/PIN challenge interaction	Yes – meeting number/PIN challenge interaction
Lock/unlock meeting	Yes – DTMF or lock/unlock of ActiveControl is configured	Yes – DTMF or lock/unlock of ActiveControl is configured	Yes	Yes
Admit from lobby	Yes, unlock meeting and all waiting are admitted	Yes, unlock meeting and all waiting are admitted	Yes – admit one/all via participant list (Admit all only on RoomOS 10 and above devices)	Yes – admit one/all via participant list (Admit all only on RoomOS 10 and above devices)
Record	Yes – DTMF or record button if ActiveControl configured	Yes – DTMF or record button if ActiveControl configured	Yes	Yes
Webex Assistant (if configured) on/off	No	No	Yes	Yes
Change role	No	No	Yes	Yes
Drop participant	No	No	Yes	Yes

Core Webex Meeting Features

In-meeting experience

	Unified CM only	Webex Edge for Devices	Webex Edge for Devices with Optimized Experience	Cloud registration
Raise/Lower hand	Yes – DTMF or raise/lower hand button if ActiveControl configured	Yes – DTMF or raise/lower hand button if ActiveControl configured	Yes	Yes
Reactions in meeting	No	No	Yes	Yes
Webex Device Assistant	No	Yes	Yes	Yes
Mute participants on entry	Yes – via DTMF	Yes, via DTMF	Yes – via participants list	Yes – via participants list
Moderated Mute	No – DTMF only allows for all to unmute	No – DTMF only allows for all to unmute	Yes – mute all, allow/deny attendee unmuting, request to unmute	Yes – mute all, allow/deny attendee unmuting, request to unmute
Webex Assistant (if configured)	No	No	Yes	Yes
Change role	No	No	Yes	Yes
Drop participant	No	No	Yes	Yes

Core Admin Features

Device management

	Unified CM only	Webex Edge for Devices	Webex Edge for Devices with Optimized Experience	Cloud registration
Inventory management	Yes – requires TMS	Yes – Control Hub	Yes – Control Hub	Yes – Control Hub
Device diagnostics	Limited – 3 rd party	Yes – Control Hub	Yes – Control Hub	Yes – Control Hub
Device proactive alerts	Limited – 3 rd party	Yes – configurable for one, some or all	Yes – configurable for one, some or all	Yes – configurable for one, some or all
Automatic crash log and reporting	No	Admin controlled – opt in per device	Admin controlled – opt in per device	Yes
Configuration management	Yes – Unified CM or TMS	Yes – Optional/Mandatory depending upon features configured – global setting	Yes – Mandatory global setting	Yes – Global setting
Automated Cloud software upgrade	No	Yes – Optional/Mandatory depending upon features configured – per device setting	Yes –Mandatory	Yes
Advanced Cloud software control	No	Yes (providing automated cloud upgrade is enabled)	Yes	Yes

OK, I'm all in. What's next?



Device onboarding: On-premises to cloud

Webex Device Connector

- Simple conversion process
 - CSV file import of devices to be converted
- Device Connector will:
 - Create workspace in Control Hub
 - Request and receive a 16-digit registration token which will be sent to device
- PC running the Device Connector app **requires network access** to the device being onboarded

Webex API/xAPI

- Programmatically
 - Create workspace in Control Hub
 - Define capabilities:
 - Type, capacity, location, calendar
 - Create device registration token
 - Provide registration token to device to be onboarded
 - xCommand Webex Registration Start

Manually

- Control Hub
 - Create workspace
 - Define capabilities
 - Type, capacity, location, calendar, software channel
 - Create device registration token
- Device
 - Onboard with token via:
 - xAPI
 - xCommand Webex Registration Start

Or

- Factory reset of device
 - Enter token during registration process

Webex API onboarding

Create a workspace - example

- `Workspace = displayName - CL Demo`
- `OrgID` = available from `developer.webex.com` or in Control Hub
- `Bearer Token` = available from `developer.webex.com`
- `workspaceLocationId` and `floorId` - location and floor details already created in Control Hub (optional).
- `capacity` - defined for Workspace analytics (optional)
- `type` - defined for Workspace analytics (optional)
- `calling` - `freeCalling` (this will be the default)
- `calendar` and `type` - both optional but defined to create workspace with Hybrid Calendar service activated (requires Hybrid Calendar integration to have taken place in Control Hub and also resource mailbox configured in Exchange on-premises/Exchange on-line or Google environments)
- `notes` - again optional but will populate notes field in the workspace

Webex API onboarding

Create a workspace

Teams / Create workspace

POST https://webexapis.com/v1/workspaces Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "displayName": "CL Demo",
3   "orgId": "Y2lzY29zcGFyazov",
4   "workspaceLocationId": "Y2lzY29zcGFyazov",
5   "floorId": "Y2lzY29",
6   "capacity": 2,
7   "type": "desk",
8   "calling": {
9     "type": "freeCalling"
10  },
11  "calendar": {
12    "type": "microsoft",
13    "emailAddress": "sytme.desk@tmedemo.com"
14  },
15  "notes": "this is a demo for Cisco Live"
16 }
```

This is the only mandatory field

Response

Webex API onboarding

Create a workspace - results

Body Cookies Headers (12) Test Results Status: 201 Created Time: 1769 ms Size: 1.31 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "Y2lzY29zcG",
3   "orgId": "Y2lzY2",
4   "workspaceLocationId":
5     "Y2lzY29zcGFyazovL",
6   "floorId": "Y2lzY29zcG",
7   "displayName": "Cl Demo",
8   "capacity": 2,
9   "type": "desk",
10  "sipAddress": "cl_demo@tmedemo.rooms.webex.com",
11  "created": "2022-05-26T14:13:46.401Z",
12  "calling": {
13    "type": "freeCalling"
14  },
15  "calendar": {
16    "type": "microsoft",
17    "emailAddress": "sytime.desk@tmedemo.com"
18  },
19  "notes": "this is a demo for Cisco Live"
```

Copy this to notes
(only data between “”)

Webex API

Workspace created

Workspaces

CL Demo

Desk • Capacity: 2 people • No devices

Actions

Overview

Configurations

Devices

Add a RoomOS device to collaborate in this workspace.

Software Upgrade ChannelStable (Default)

Lock Settings on Touch DevicesOff

Edit API AccessAdd Device

Calling

Call on Webex (1:1 call, non-PSTN)

Cisco Webex SIP Addresscl_demo@tmedemo.rooms.webex.com

Scheduling

Office 365

Activated - since today at 15:13

See history

Email Addresssytime.desk@tmedemo.com

Real-Time Utilisation Metrics

Add a Room, Board or Desk series device and gain insight for how this workspace is used.


Real-Time Environmental Metrics


Add a Room, Board or Desk series device and gain insight on the workspace environment.

Location

Charlie Lab

Shrewsbury, UK
United Kingdom
Ground Floor





Webex API

Device activation token creation

Teams / Create Device Activation Code

POST `https://webexapis.com/v1/devices/activationCode` Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON**

```
1 {
2   "workspaceId": "Y2lzyY29"
3 }
```

Paste data that was captured when the workspace was created (id) as the workspaceId

Body Cookies Headers (12) Test Results Status: 200 OK Time: 1160 ms Size: 552 B Save Response

Pretty Raw Preview Visualize **JSON**

```
1 {
2   "code": "4716273336389215",
3   "expiryTime": "2022-06-02T14:19:12.046Z"
4 }
```

Copy data between “

Webex xAPI

Migrating device

The screenshot displays the Cisco Webex Local Device Controls interface. The left sidebar contains navigation options: Home, Call, SETUP (Settings, Users, Security), CUSTOMIZATION (Personalization, UI Extensions Editor, Macro Editor, Developer API), and SYSTEM MAINTENANCE (Software). The main content area is titled 'System Information' and is divided into several sections:

- General:** Displays network information including IPv4 (10.60.114.190), IPv6 (-), and MAC Address (F0:4A:02:89:7C:6E).
- Provisioning:** A section highlighted with a blue border, showing 'Cisco UCM' as the Provisioning Model and '10.50.55.21' as the SIP Proxy.
- Calendar:** Indicates 'No calendar integration found.'
- Software:** Shows the device is on 'RoomOS 10.8.4.l4t-0 dc63a82915b' (Stable Software Channel).
- Issues:** A green checkmark indicates 'Everything is looking fine.'

Additional details include a 'Normal Temperature' status and a 'SIP URI' of '8247@tmedemo.com' highlighted with a blue border.

Webex xAPI onboarding

Migrating Webex device

```
Last login: Thu May 26 12:38:49 on ttys000
CHTHORPE-M-D9LJ:~ chthorpe$ ssh chthorpe@10.60.114.190
(chthorpe@10.60.114.190) Password:
```

```
Welcome to CL Demo
Cisco Codec Release RoomOS 10.8.4.14t-0 dc63a82915b
SW Release Date: 2022-04-23
*r Login successful
OK
```

```
xcommand Webex Registration Start ActivationCode: 4716273336389215 SecurityAction: NoAction
```

```
OK
*r RegistrationStartResult (status=OK):
*r RegistrationStartResult DisplayName: "CL Demo"
** end
```

Paste device activation token (code)

SecurityAction: NoAction

- Retains local accounts
- Retains UI Extensions
- Retains Macros

Webex xAPI

Migrated device

The screenshot displays the Cisco Webex Local Device Controls interface for a migrated device. The interface is divided into a left sidebar, a main content area, and a right sidebar.

Left Sidebar:

- CL Demo Desk
- Home
- Call
- SETUP
 - Settings
 - Users
 - Security
- CUSTOMIZATION
 - Personalization
 - UI Extensions Editor
 - Macro Editor
 - Developer API
- SYSTEM MAINTENANCE
 - Software

Main Content Area:

System Information

General	
10.60.114.190 IPv4	F0:4A:02:89:7C:6E MAC Address
-	
IPv6	
FOC2527P0K2 Serial Number	Ethernet Active Interface
Normal Temperature	
cl_demo@tmedemo.rooms.webex.com Cloud SIP Address	

Software	
Stable Software Channel	RoomOS 10.8.4.14t-0 dc63a82915b Software Version

Right Sidebar:

Issues

Everything is looking fine

Provisioning

Webex	Workspace
Registered	Device Mode

[Details](#)

Calendar

Cisco Webex Hybrid Calendar Service

Activated

[View Scheduled Meetings](#)

Webex xAPI

Migrated device

The screenshot displays the Cisco Webex xAPI interface for a migrated device. The top header shows 'CL Demo' with a status bar indicating 'Desk - Capacity: 2 people - Device idle - No occupancy data available'. An 'Actions' button is in the top right. The main content area is divided into several sections:

- Overview** (selected) and **Configurations** tabs.
- Devices** section (highlighted with a blue border):
 - Device: Cisco Webex Desk
 - Status: Online Today at 15:48
 - Software Upgrade Channel: Stable (Default)
 - Lock Settings on Touch Devices: Off
 - Buttons: Edit API Access, + Add Device
- Calling** section:
 - Call on Webex (1:1 call, non-PSTN)
 - Cisco Webex SIP Address: cl_demo@tmedemo.rooms.webex.com
- Scheduling** section:
 - Office 365: Activated - since today at 15:13
 - See history
 - Email Address: sytme.desk@tmedemo.com
 - In-room booking: Off
- Real-Time Utilisation Metrics** section:

Devices	Idle	Booked	No
Occupied	Off	Paired apps	0
Occupants	Off		

The device needs to be configured to show all metrics. [How do I enable metrics?](#)

[View Details](#)
- Real-Time Environmental Metrics** section:

Sound Level	Off	Temperature	19/67 °C/°F
Ambient Noise	Off	Relative Humidity	55%
		Air quality (TVOC)	Not available

The device needs to be configured to show all metrics. [How do I enable metrics?](#)

[View Details](#)
- Location** section: Shows a camera feed of the device's location.

Device onboarding: Webex Edge for Devices

Webex Device Connector

- Simple linking process to provide on-premises devices with access to cloud services and Control Hub.
 - Integration with Unified CM (AXL Application User) to identify devices for linking to the cloud
 - Alternative option is to use CSV file import
- Device Connector will:
 - Create workspace in Control Hub
 - Calling type in the workspace will be 'Premises Calling'
 - Retrieve 16-digit registration token and pass on to device to begin onboarding process

Webex API/xAPI

- Programmatically
 - Create workspace – POST command
 - Define capabilities:
 - Type, capacity, location, calendar
 - Calling type needs to be defined as **webexEdgeForDevices**
 - Create device registration token – POST command
 - Provide registration token to the device to be onboarded
 - xCommand Webex Registration Start

Webex API onboarding

Create a workspace

Teams / Create workspace

POST https://webexapis.com/v1/workspaces

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "displayName": "CL Demo WE4D",
3   "orgId": "Y2l2Y29zcGFyYXZ",
4   "workspaceLocationId": "TY3MjE=",
5   "floorId": "Y2l2Y29zcGFyYXZvL3Vyb",
6   "capacity": 2,
7   "type": "desk",
8   "calling": {
9     "type": "webexEdgeForDevices"
```

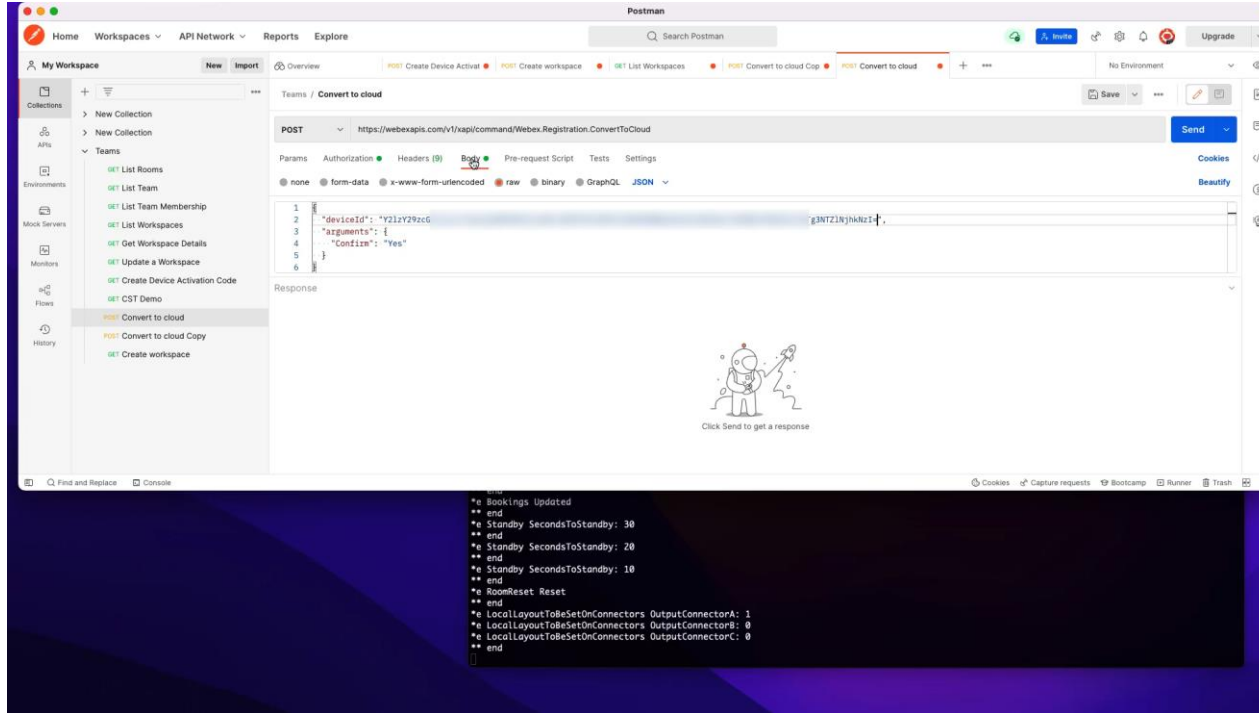
Body Cookies Headers (12) Test Results

Status: 201 Created Time: 1523 ms Size: 1.28 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "Y2l2Y29zcGFyYXZvL3Vyb",
3   "orgId": "Y2l2Y29zcGFyYXZ",
4   "workspaceLocationId": "TY3MjE=",
5   "floorId": "Y2l2Y29zcGFyYXZvL3Vyb",
6   "displayName": "CL Demo WE4D",
7   "capacity": 2,
8   "type": "desk",
9   "created": "2022-05-26T17:23:17.362Z",
10  "calling": {
11    "type": "webexEdgeForDevices"
12  },
13  "calendar": {
14    "type": "microsoft",
15    "emailAddress": "sytime.desk@tmedemo.com"
16  },
17  "notes": "this is a demo for Cisco Live"
18 }
```

Webex API – Convert to Cloud



Newly released (or soon to be released) features

- Hot desking
 - Turns shared mode Webex Desk Series into a Personal Mode device for a specified amount of time.
 - NFC (Desk Hub), USB-C (Desk Hub, Desk Mini, Desk, Desk Pro).
 - QR code to go into Beta very soon.
 - Supported with Cloud registration, Webex Edge for Devices in Cloud Upgrade Mode and with the release of RoomOS 10.15 Webex Edge for Devices **not** in Cloud Upgrade mode.
 - Requires RoomOS11 UI to be enabled on the device.
 - Assigned DN (if applicable) does not currently change when logged in. This is a future enhancement

Newly released (or soon to be released) features

- Webex Calling with Webex Devices (Target Q3CY22 availability)
 - Single activation code that will on-board the devices to both Webex as well as Webex Calling.
 - Native registration to call control with basic calling features:
 - Answer, hold/resume, transfer, conference and voicemail.
 - Support for Directories (contacts), presence and unified call history.
 - Supported with shared mode (workspace) and personal mode.
 - Supported with current RoomOS portfolio.
 - Webex Room series, Kit series, Desk series and Board series.
 - Cloud registration only
 - Device in hot desk mode, when logged in does not change assigned number. This is a planned (road mapped) item.

Conclusion

- Journey to Cloud can be taken at a pace that suits you. Whether that is:
 - Big bang and going straight to cloud
 - Gradual where you might ‘test the water’ to see what it means in your environment.
 - The current place you are stopped at might or might not be your final destination
 - For example, stopping at device configurations, logs and alerts might be enough for now. But a couple of months down the line you might choose to step back on the journey and continue further.
- Webex Edge for Devices is the key enabler for hybrid work.
 - Understanding the user experience in the given workspace is key (noise/temperature/air quality/humidity)
 - Deployment of new services (such as room capacity reached), Webex Assistant

Technical Session Surveys

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