



You make **possible**



Technical introduction to cloud-aware video endpoints

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@DavGrandis

BRKCOL-2241

CISCO *Live!*

Barcelona | January 27-31, 2020



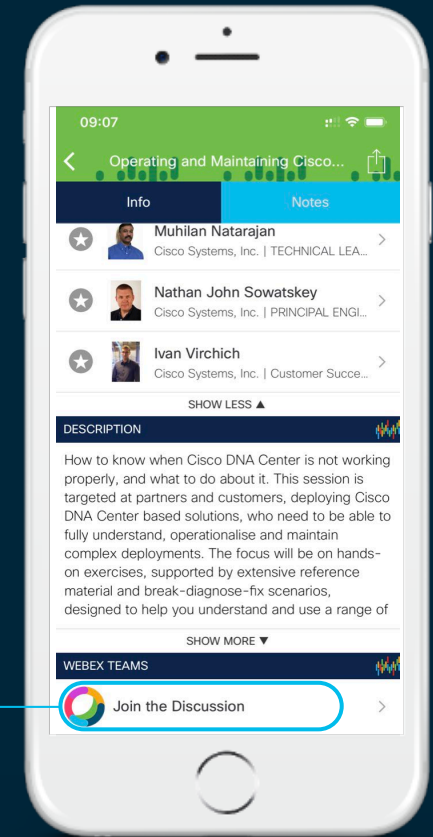
Cisco Webex Teams

Questions?

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

How

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



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Agenda

- Introduction to Webex Edge for Devices
- Features of linked Webex devices
- Cisco Webex Device Connector
- Demo
- Licensing requirements
- Additional functionality of the Device Connector
- Conclusion

Introduction

Introduction to Cloud Aware/Edge for Devices

Cloud registration of video endpoints is great but what if...

- I want to keep call-control signaling and media for my endpoints on premises...
- I want to keep full control on the critical calling capabilities of video endpoints on my premises...
- still, I wish I could enhance the user experience for my users with new and smart cloud capabilities
- but, at the same time, I want to simplify the architecture
- also, I'd like to converge to a single pane of glass (Control Hub) to manage all my video devices?



Webex Edge for Devices Launch (January 2020)



Fabian 13/01/2020, 12:55

Webex Edge for Devices - General Availability

Partly Cloudy, with a high probability of amazing! Now all Cisco Video Device customers can take advantage of innovative features powered by the Webex Cloud, regardless of whether the device is registered cloud or prem. ⚡⚡

Webex Edge for Devices allows premise registered Video Devices customers to add:

- ⚡ Webex Assistant with Proactive Meeting Join
- ⚡ Calendar Connector for OBTP meetings
- ⚡ Management and Diagnostics via Webex Control Hub

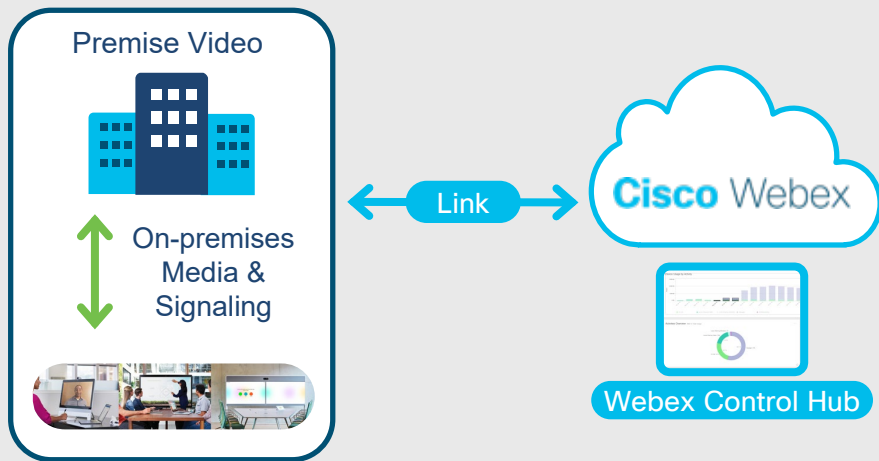
Get advanced features only available from the Webex Cloud, without changing the way Video Devices are deployed and registered! 💪

Learn more here: <https://help.webex.com/cy2l2z/>.

Webex Edge for on-premises Webex Devices

High Level Overview

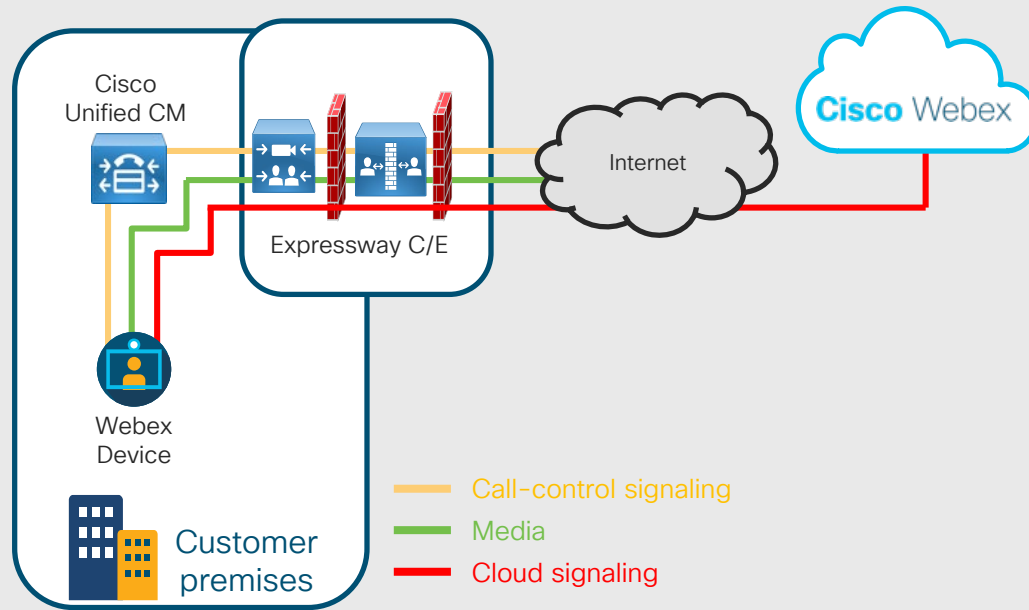
Link on-premises Webex Devices to the Webex cloud platform: **best of both!**



- Business-critical calling and media stays on-premises
- Access to cloud services (in phases)
- Hybrid deployment and customer migration at your own pace
- Simplified single pane of glass with insights through Control Hub
- “One-click migration” – one button to Cloud Link – it's also EASY!

How does it work?

Direct connection from the Webex video endpoints to the Webex Cloud



- Webex devices running CE 9.10 or later
- Outbound Secure Web Socket (WSS) on port 443
- Proxy not supported (yet)
- Done via the Cisco Webex Device Connector
- CUCM 12.5.X or 11.5.X*
- Expressway call-control also supported (any release) – requires HTTPS on devices

* with latest device packs

Webex devices that can be cloud linked

Webex CE Devices running CE9.10+



Webex
Share



DX70



DX80



Desk Pro



MX200 G2



MX300 G2



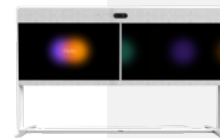
Room 55



MX700



Room 55 Dual



Webex Boards:

55, 55S, 70, 70S, and 85



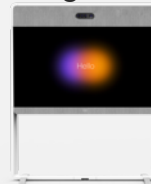
MX800 Single



MX800 Dual



Room 70
Single G2



Room 70 Dual G2



SX10N



SX20



SX80



SpeakerTrack 60

Room Kit Mini



Room Kit



Room Kit Plus



Room Kit Pro



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What are the Cloud features?

On-premises registration retained plus selected cloud features

Phase 1 features:

- Online/offline connection status and alerts
- Historical Analytics
- Device Diagnostics (troubleshooting utilization data, phase 1)
- Cloud xAPI access
- Hybrid Calendar service
- Webex Assistant (pro-active join meeting)

More to come in the next phases (three months release cycle)

Connection status in Control Hub

Cisco Webex Control Hub

Overview

Users

Places

Services

Devices

Analytics

Troubleshooting

Settings

Devices

Search: cucm

Anything containing cucm (4)

Belongs to containing cucm

4

DEVICES FOUND



Online, With Issues	1
Expired	0
Offline	0
Online	3
Status Unavailable	0

Add Device

0 devices selected

Export as CSV

Delete Devices

<input type="checkbox"/>	Type	Status	Belongs to
<input type="checkbox"/>	Cisco TelePresence SX10	● Online	SX10N
<input type="checkbox"/>	Cisco TelePresence SX20	● Online, With Issues	SX20S
<input type="checkbox"/>	Cisco TelePresence SX20	● Online	SX20T
<input type="checkbox"/>	Cisco Webex DX70	● Online	DX70

Connection status in Control Hub

Cisco Webex
Control Hub

Overview

Users

Places

Services

Devices

Analytics

Troubleshooting

Settings

EMEA Tech

Devices

Q cucm

4

DEVICES FOUND

0 devices selected

Export as CSV

Delete Devices

	Type	Status	Belongs to
<input type="checkbox"/>	Cisco TelePresence SX10	Online	SX10N
<input type="checkbox"/>	Cisco TelePresence SX20	Online, With Issues	SX20S
<input type="checkbox"/>	Cisco TelePresence SX20	Online	SX20T
<input type="checkbox"/>	Cisco Webex DX70	Online	DX70

Cisco TelePresence SX20

Online, With Issues

Device

Belongs to

SX20S

Tags

Add tag

On-Premises Management

This device is linked via Webex Edge. All non-cloud configurations are managed by Unified CM.
[Go to Unified CM](#)

Issues

Audio pairing - Audio pairing - Low signal to noise ratio. To resolve, try turning off the ultrasound on interfering devices.

Device alerts in Control Hub

- Per admin alerts on Webex Teams
- Configurable per device or for all
- Polling frequency between 1 and 5 mins

Alerts Beta

Alerts for all devices

Get informed of issues as they happen for all the devices in your organization.

Control Hub Alerts ← Space name

Control Hub Alerts (@webex.bot) Yesterday, 23:50

DX70 (Cisco Webex DX70) has new issues
2020-01-27 22:48 UTC [View](#) ↗

New Issues

- Time Server Not Reachable

Today

Control Hub Alerts (@webex.bot) 04:30

Issues with DX70 (Cisco Webex DX70) are resolved
2020-01-28 03:28 UTC [View](#) ↗

Resolved Issues

- Time Server Not Reachable

Control Hub Alerts (@webex.bot) 05:58

SX10N (Cisco TelePresence SX10) has new issues
2020-01-28 04:57 UTC [View](#) ↗

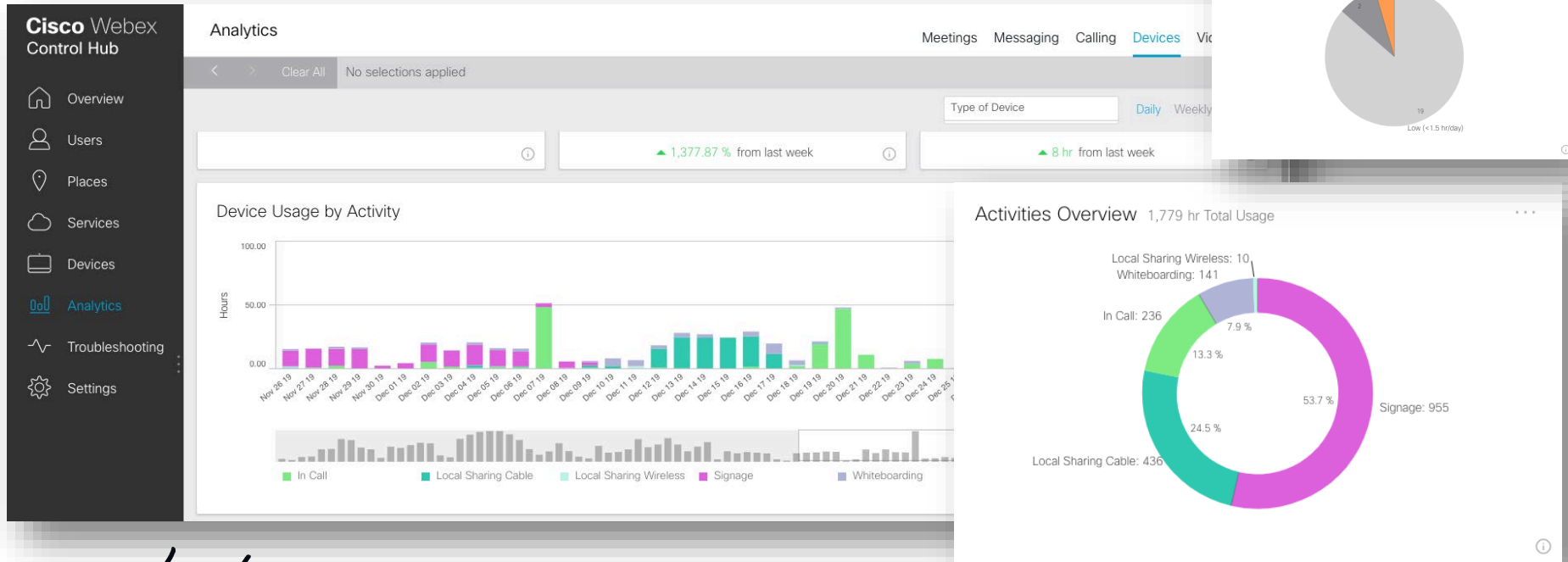
New Issues

- Main Display Not Detected

Direct link to the device info tab in Webex Control Hub

Analytics

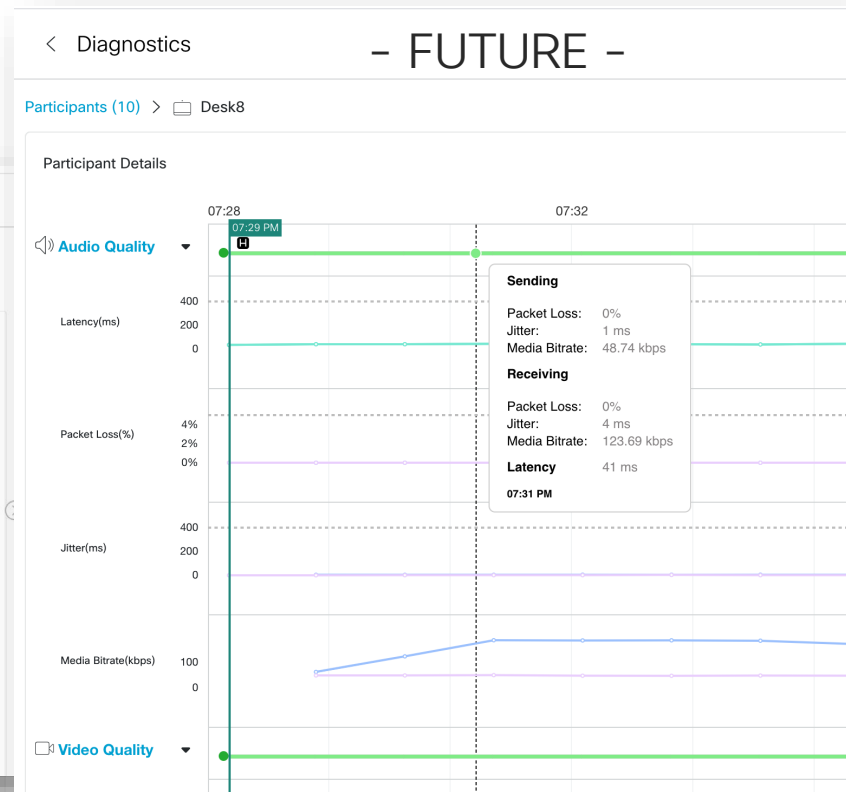
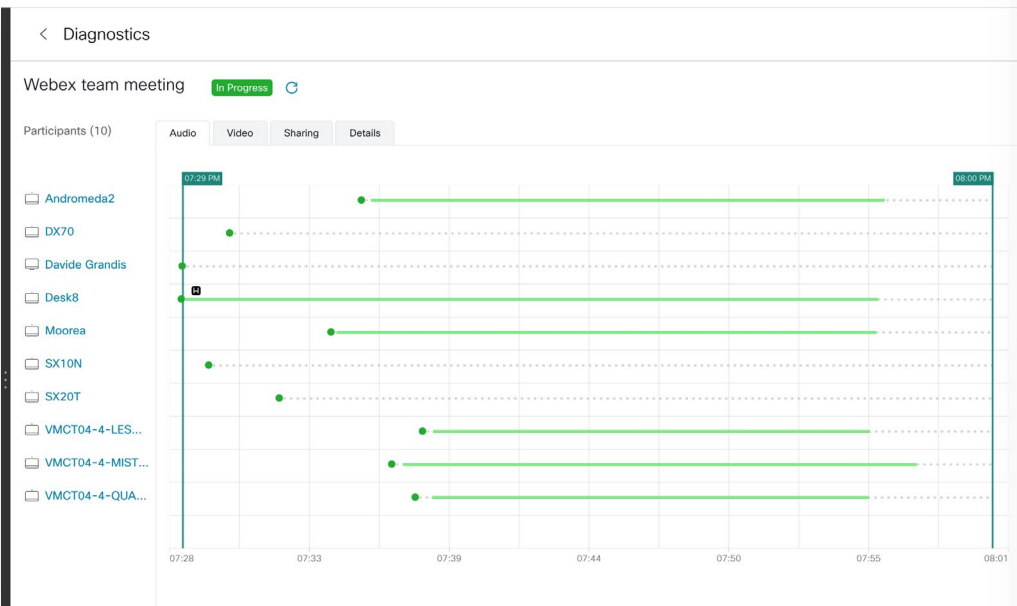
- Includes all types of utilization: in call, local sharing, whiteboarding
- Shows complete list of devices and key details with drill down and interactivity
- Grouping of low, medium and high utilized devices to facilitate decisions to add or move devices or train end users to leverage



Diagnostics

Provides a detailed view of what's happening in the meeting:

- participants/quality of service indicators (G/Y/R)
- Advanced Diagnostics drill down per user (future)



Cloud API access

Same as with Webex registered devices, linked devices are exposed via APIs:

- Devices API (device details)
- xAPI (status and command)

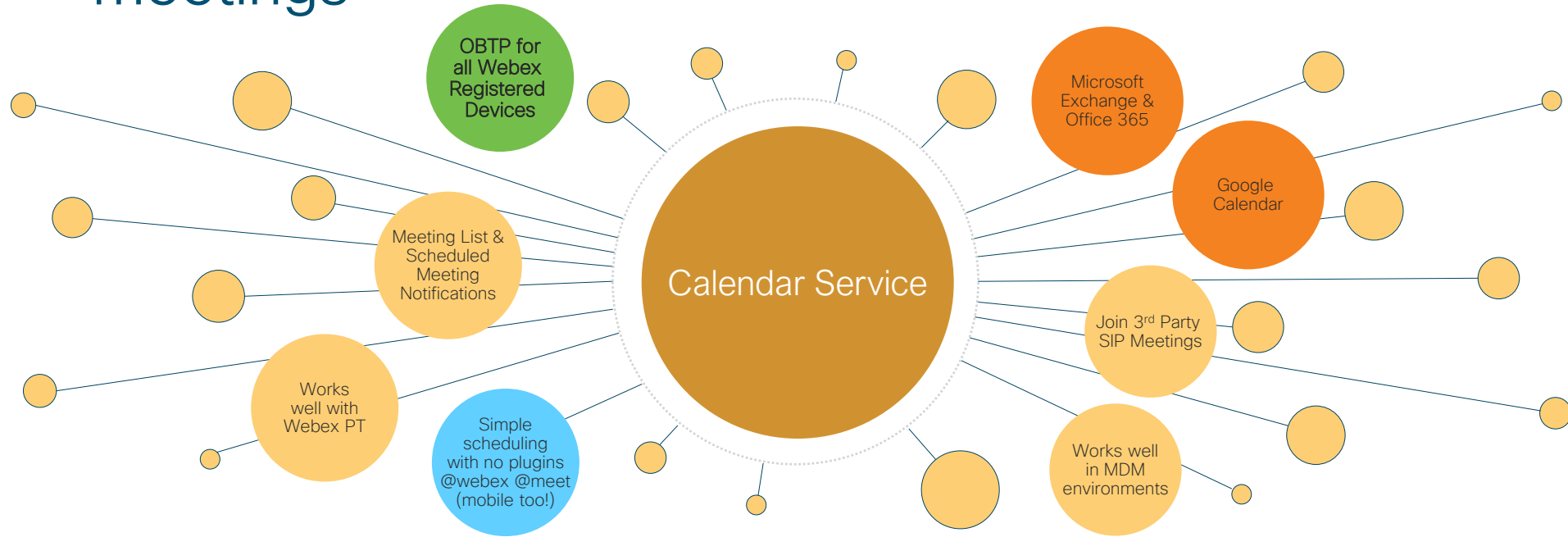
Method		Description
GET	https://api.ciscospark.com/v1/xapi/status	Query Status
POST	https://api.ciscospark.com/v1/xapi/command/{commandName}	Execute Command

Benefit: access to the device APIs via the Webex cloud; direct access to the device is not required

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```
200 / OK
{
  "id": "Y21zY29zcGFyazovL3VzL0RFVklDRS9mNTAwMzQwZC1mZDkxLTQ2M",
  "displayName": "8039103",
  "placeId": "Y21zY29zcGFyazovL3VzL1BMQUNFL2I4NWUzMTAyLTIxNzYt",
  "orgId": "Y21zY29zcGFyazovL3VzL09SR0FOSVpBVElPTi9iODVlMzEwMi",
  "capabilities": [],
  "permissions": [],
  "product": "Cisco TelePresence SX20",
  "tags": [],
  "ip": "10.0.0.108",
  "mac": "F8:7B:20:51:87:BC",
  "serial": "FTT21350035",
  "activeInterface": "LAN",
  "software": "ce 9.10.0 a4934b09e53 2019-11-28",
  "primarySipUrl": "8039103@cucm.itaspark.com",
  "sipuris": [
    "8039103@cucm.itaspark.com"
  ],
  "errorCodes": [],
  "connectionStatus": "connected"
}
```

Calendar Service: powering intuitive, intelligent meetings



Easy to Deploy, Schedule, and Join Securely from Webex Teams App and Devices

Calendar Service for Webex Edge for Devices

- OBTP for on-premises linked Webex devices without TMS and TMS-XE
 - external devices (MRA): no need to VPN to reach TMS for OBTP
- Support of Microsoft Office 365 and Google Calendar (cloud Connector)
- Support of Microsoft Exchange (cloud-managed on-prem Calendar Connector)
- Support of Hybrid Exchange (both cloud and on-prem Calendar Connectors)
- Currently no migration of previously scheduled meetings (roadmap)

For more details on the Calendar Service see:
BRKCOL-2607 "Understanding Cloud and Hybrid Collaboration Integrations"

How to enable the Calendar Service

From the
Device
select the
Place
where it
belongs to

Devices

Search: 4 DEVICES FOUND

0 devices selected [Export as CSV](#) [Delete Devices](#)

<input type="checkbox"/>	Type	Status
<input type="checkbox"/>	Cisco TelePresence SX10	Online
<input type="checkbox"/>	Cisco TelePresence SX20	Online, With Issues
<input type="checkbox"/>	Cisco TelePresence SX20	Online, With Issues
<input type="checkbox"/>	Cisco Webex DX70	Online

Device Details: Cisco Webex DX70

Device: Online

Belongs to: [DX70](#)

Tags: [Add tag +](#)

On-Premises Management

This device is linked via Webex Edge. All non-cloud configurations are managed by Unified CM. [Go to Unified CM](#)

Prerequisite: Hybrid Calendar must be enabled in Cisco Webex Control Hub.

How to enable the Calendar Service

- Click on the Place's name and then on Services/Edit
- Enable the Calendar Service

Devices

Manage My Alerts

Edit services

Which service is needed in this place?

Calling

- ☐ Free Calling (default)
Calls to and from this place, paired with the Cisco Webex Teams app or through SIP addresses.
- ☐ Cisco Webex Calling
App pairing, SIP dialling and additional PSTN service.
- ☒ Premises Calling
Calling services from existing premises.

Calendar

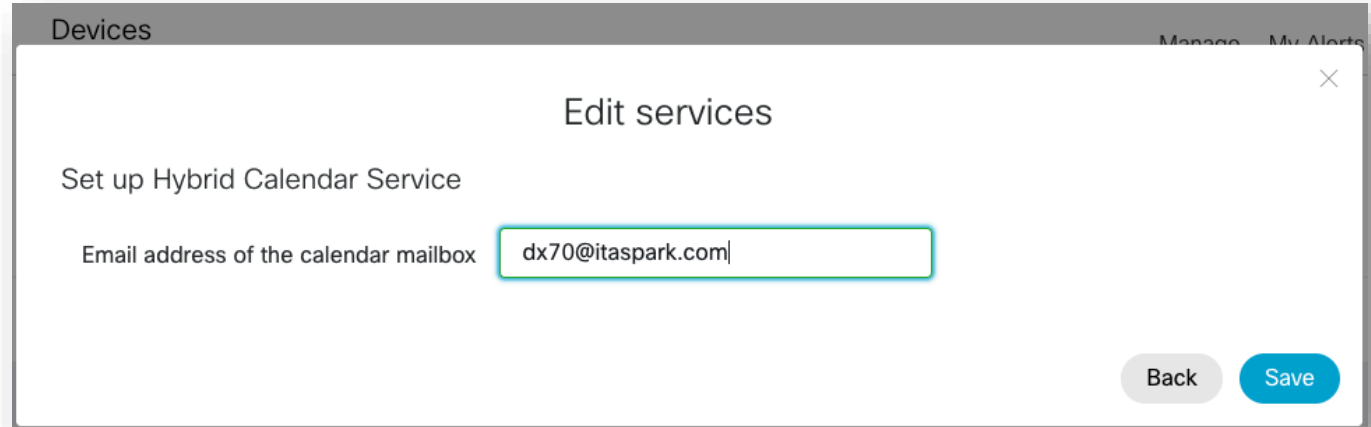
☐

Calendar service enables One Button To Push for this place.

Cancel Save

How to enable the Calendar Service

Input the
device's
mailbox and
save



Devices

Manage My Alerts

✕

Edit services

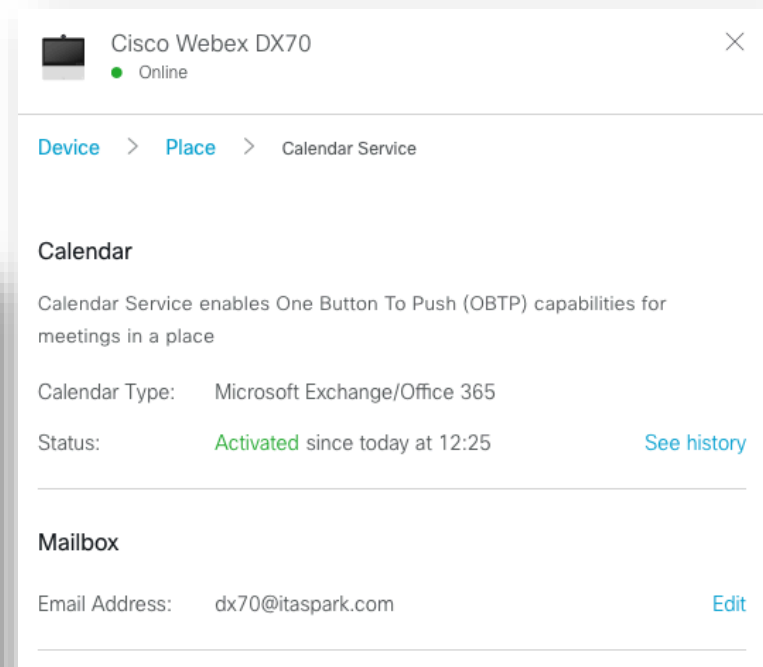
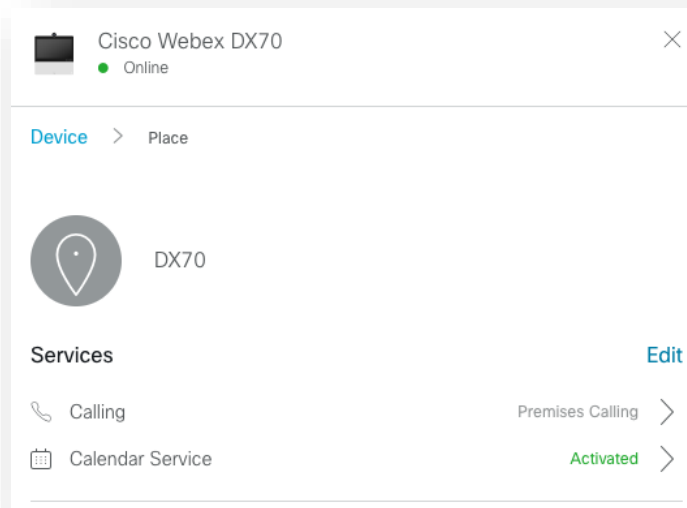
Set up Hybrid Calendar Service

Email address of the calendar mailbox

Back Save

How to enable the Calendar Service

- After a little while the status will show "Activated"
- Can check the history and change the mailbox
- At this stage the admin should delete the device from TMS/TMS-XE



One Button to Push on Linked Devices

The screenshot shows the 'Organiser Meeting' interface in Cisco Webex Teams. It includes fields for 'From' (Calendar - Itaspark), 'To' (Davide Grandis, Moorea, sx20t, dx70), 'Subject' (Chat on OBTP for linked devices), and 'Location' (@meet). The duration is set to 30 minutes, starting at 12:15 and ending at 12:45 on 22/1/2020. A green 'Join' button is at the bottom.

Organiser Meeting **Format Text**

Send Update Cancel Appointment Scheduling New Email Reply All Cisco Webex Reminder: Show as:

From: Calendar – Itaspark

To: Davide Grandis (dgrandis) Moorea sx20t dx70

Subject: Chat on OBTP for linked devices

Location: @meet

Duration: 30 Minutes ☐ All-day event

Starts: 22/ 1/2020 12:15

Ends: 22/ 1/2020 12:45

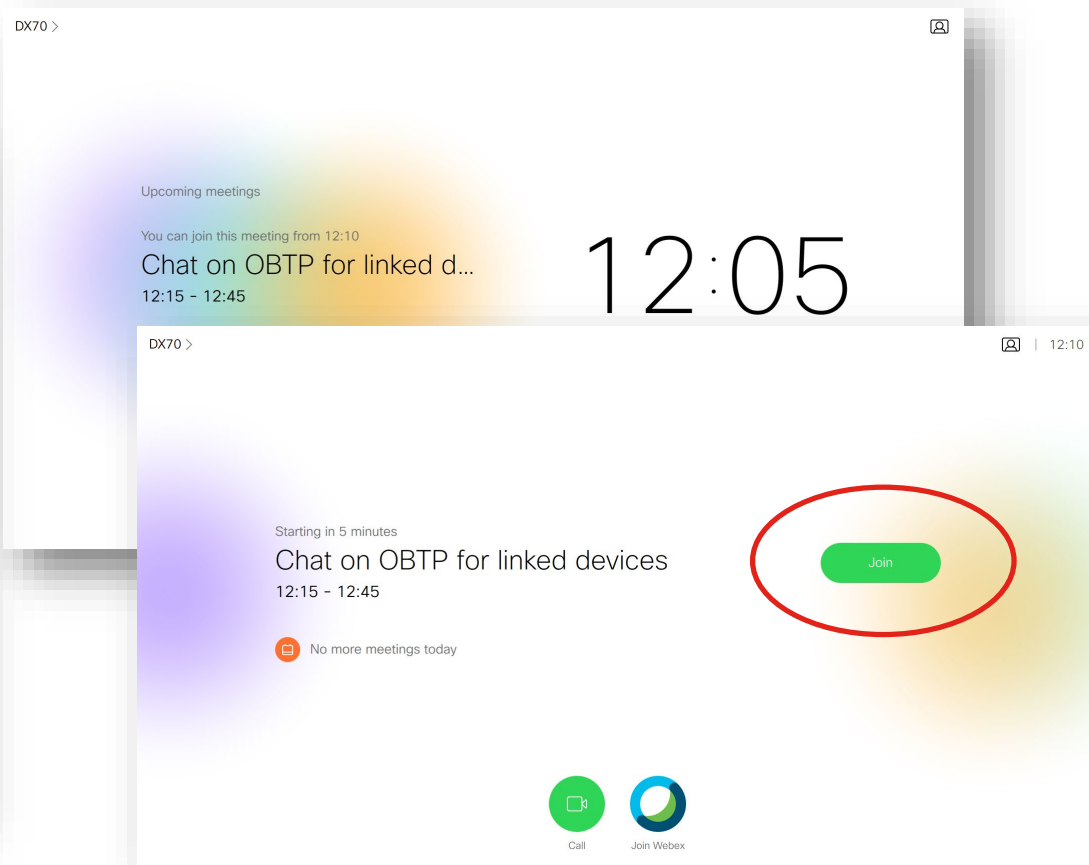
This invitation has been sent.

- Do not delete or change any of the following text. -

When it's time, join the Webex Teams meeting here.

Meeting number (access code): 849 399 452

Join



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Webex Assistant for on-premises linked devices

"Ok Webex, join the meeting"

- Supported on Webex Desk Pro, Webex Board series and Webex Room series.
- Enabled through Webex Control Hub (admin controlled)

Cisco Webex Assistant

Enable Cisco Webex Assistant

- ✓ With Cisco Webex Assistant, users can use their voice to interact with room devices. Users can simply ask Cisco Webex Assistant to start a meeting, join a colleague's personal meeting room, call anyone in the organisation, and much more.

[View our Webex Assistant adoption toolkit](#)

Direction of development (future)

- Proxy support for endpoints (planned for CE9.12)
 - Real-time Advanced Analytics of Meetings in Webex Control Hub
 - On-premises software management
 - Ability to push software to the devices from the cloud
 - Device configuration management in Webex Control Hub
-
- Shared directory across premises linked & cloud devices
 - Name labels in calls (Face Recognition)
 - People Insights

BACKLOG

Cisco Webex Device Connector

Cisco Webex Device Connector Tool

Overview

The Cisco Webex Device Connector tool is available for download from Control Hub under Devices → Resources

The screenshot displays the Cisco Webex Control Hub interface. On the left is a dark sidebar with navigation options: Overview, Users, Places, Services, **Devices** (highlighted with a red box and a green circle with the number 1), Analytics, Troubleshooting, and Settings. The main content area is titled 'Devices' and includes a top navigation bar with 'Manage', 'My Alerts', 'Software', and 'Resources' (highlighted with a red box and a green circle with the number 2). The 'Device Resources' section contains an illustration of a dog and text explaining the purpose of the resources. Below this is the 'Knowledge Base' with two cards: 'Cloud Onboarding' and 'Webex Edge for Devices', each with a 'View Documentation' link. The 'Tools' section features a card for the 'Cisco Webex Device Connector' with a description and a 'Download' button (highlighted with a red box and a green circle with the number 3). The bottom of the sidebar shows the user's name 'Davide Admin' and role 'Full Admin, User, We...'. The EMEA Tech logo is also visible in the bottom left of the sidebar.

Cisco Webex Device Connector Tool

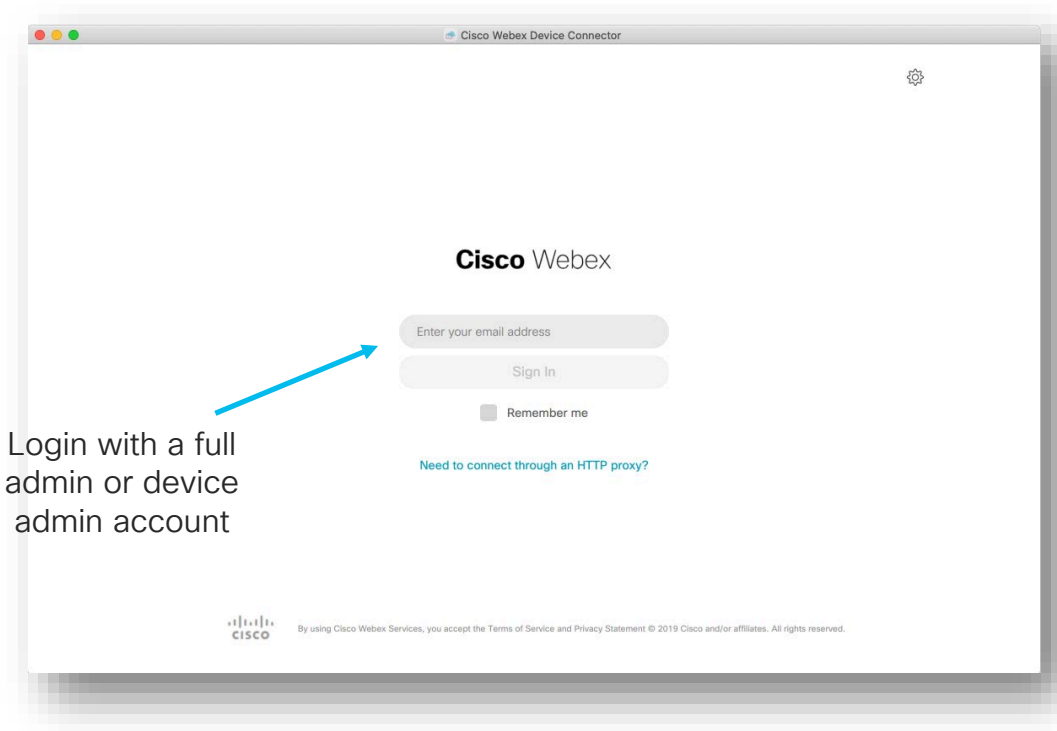
Overview

Must run on the enterprise network where it can reach the Collaboration infrastructure and the video endpoints and the Webex Cloud

Supported on:

- Microsoft Windows 10
- MacOS High Sierra (10.13) and above

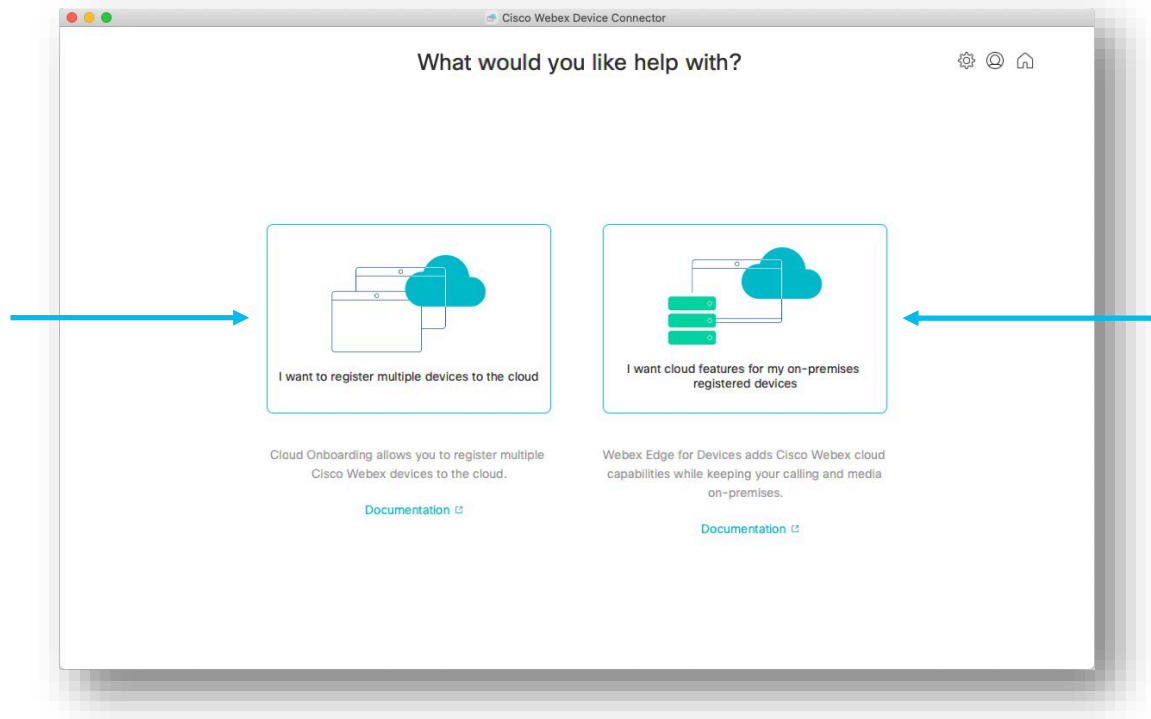
Basic HTTP Proxy supported (username and password)



Cisco Webex Device Connector Tool

Overview

Bulk register Webex devices to the Cloud
(Cloud registration)



Enables cloud features to on-premise registered Webex devices

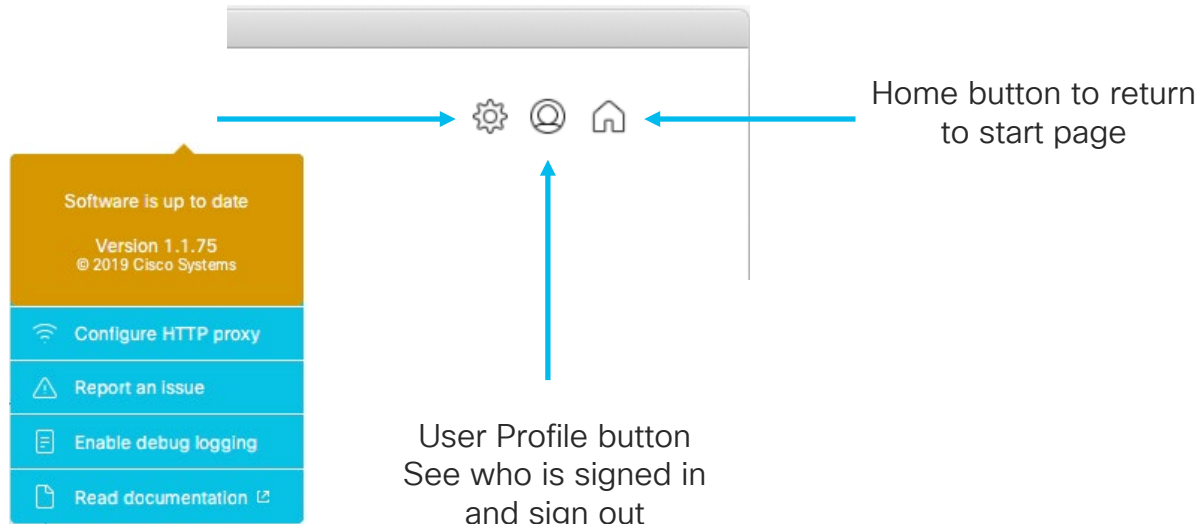
Cisco Webex Device Connector Tool

Overview

From the landing page you can also access:

Configure button

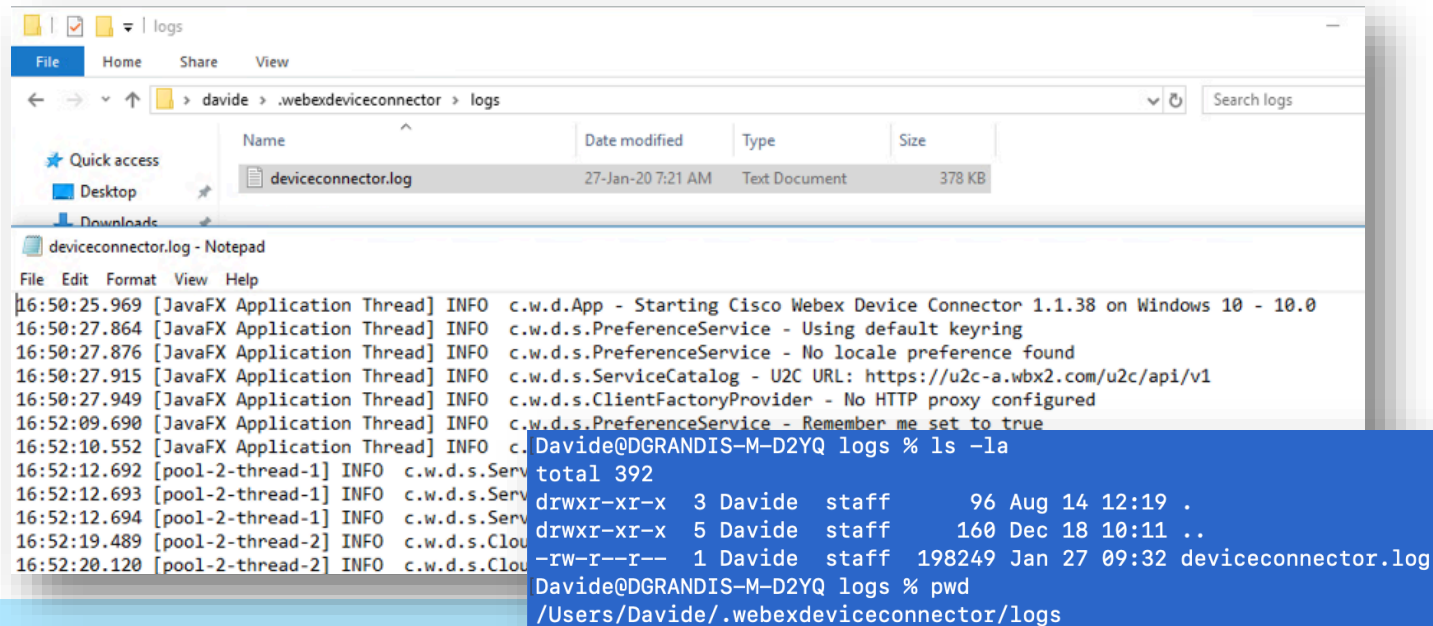
- Check tool is up to date (or be notified of an update)
- Configure for proxy support (basic auth supported)
- Report issues with tool
- Quick access to documentation



Cisco Webex Device Connector Tool

Overview

Logs:



Windows: [UserDir].webexdeviceconnector\logs

MacOS: /Users/[username]/.webexdeviceconnector/logs



DEMO

Enabling cloud features for on-premises
Webex devices

Caveats

Moving registration of the Webex linked device to MRA:

- Unified CM > to Unified CM over MRA
 - If the user tries to move this via the UI on the device, upon the soft reset, the device will lose its Webex registration details.
 - Device Connector tool will state linked
 - Webex Control Hub will show 'Status Unavailable'

Device Linking Flow – Unified CM

For your
Reference



On-premise
Webex device



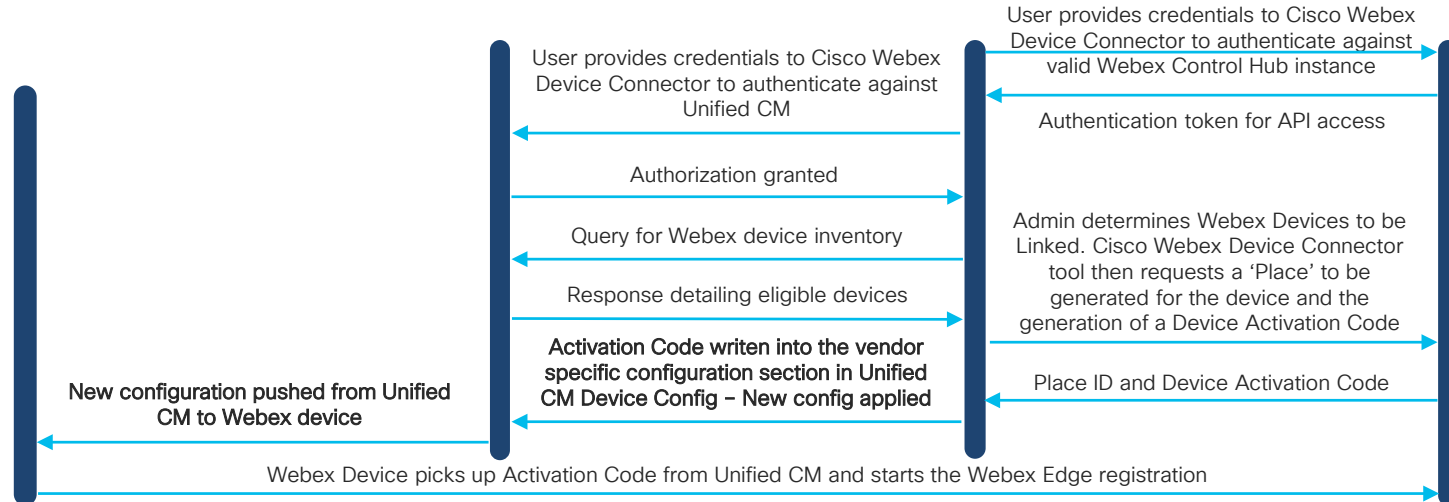
Unified CM



Cisco Webex Device
Connector tool



Cisco Webex
Cloud



Device Linking Flow – CSV/TMS Export

For your
Reference



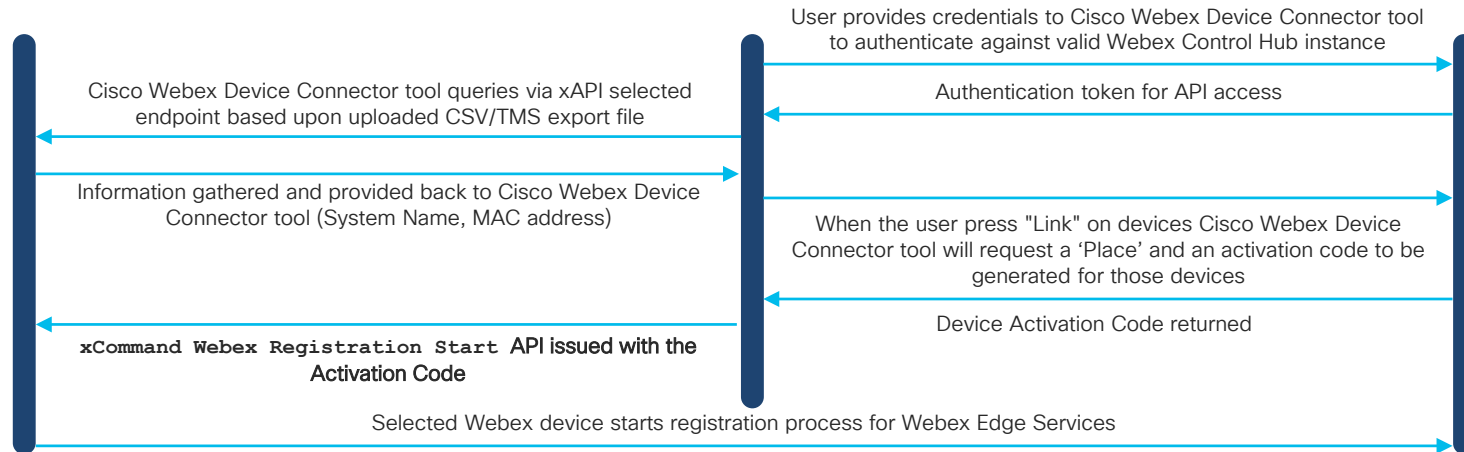
On-premise
Webex device



Cisco Webex Device
Connector tool



Cisco Webex
Cloud



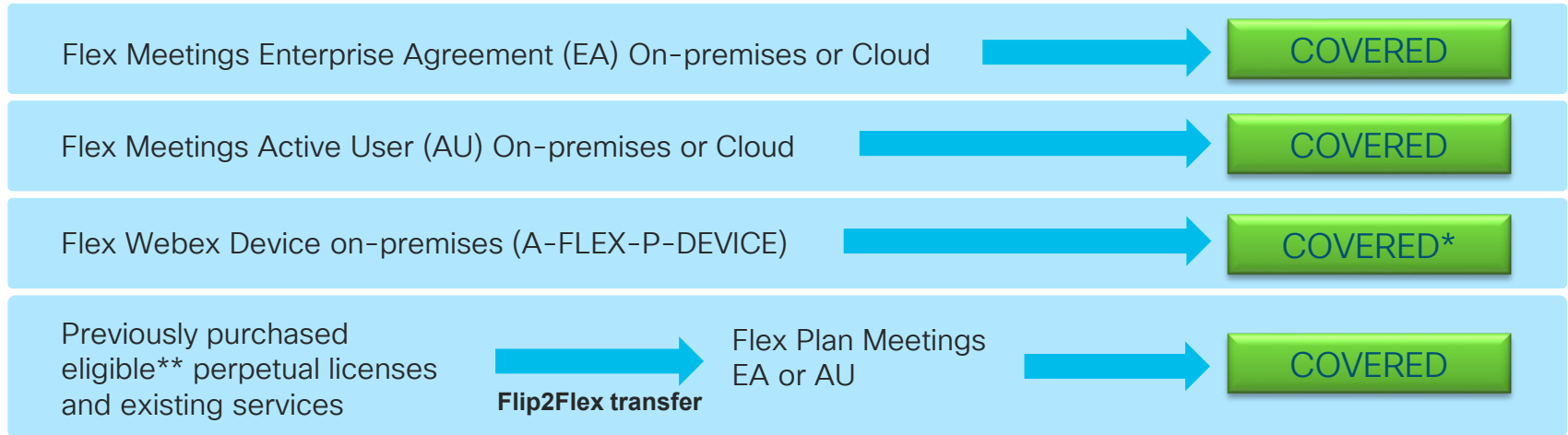
Licensing

Licensing requirements

Webex Edge for Devices requirements:

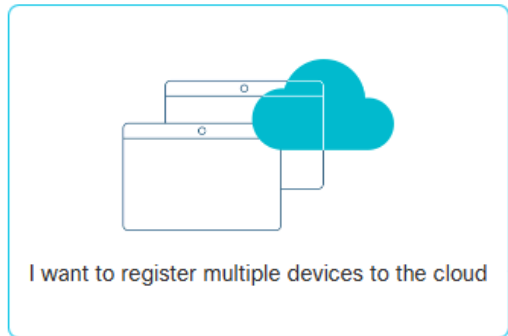
- Webex Control Hub instance;
- Device subscription for each linked device (A-FLEX-C-DEVICE for new licenses)

...but Flex Plan gets you covered, as follows:



Additional functionality of the Device Connector

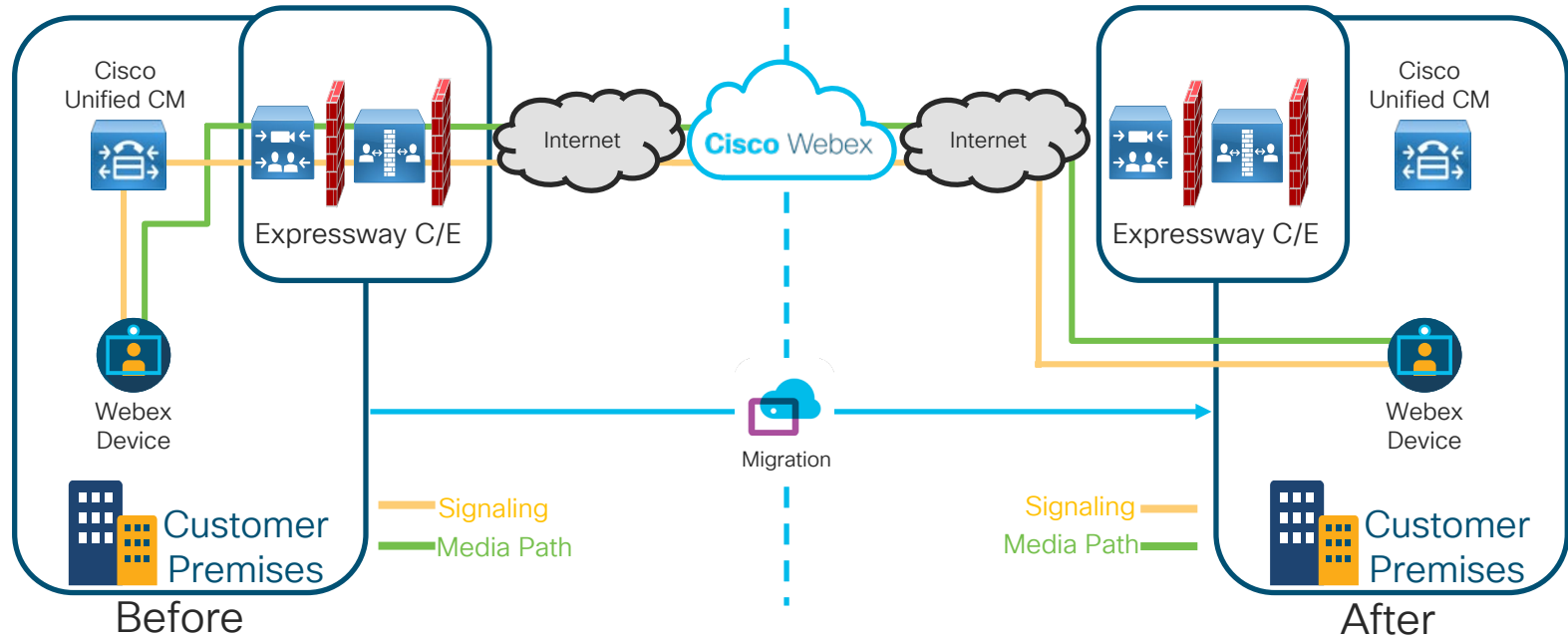
Registration of multiple devices to the cloud



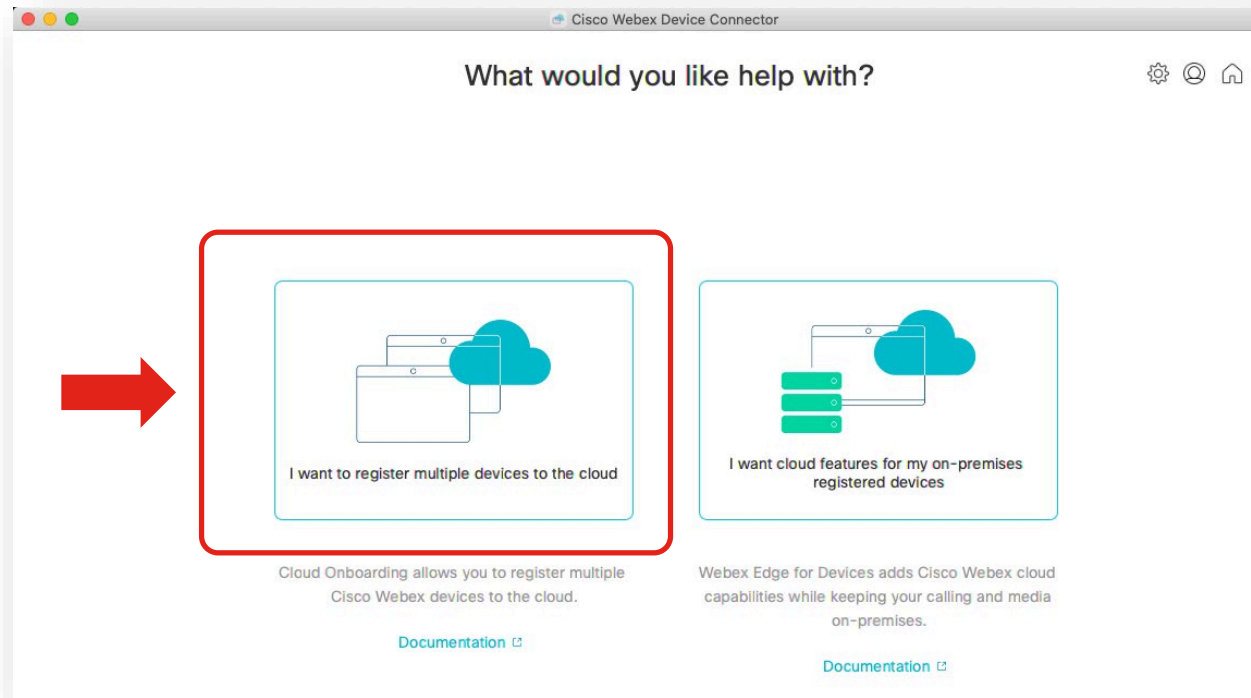
Cloud Onboarding allows you to register multiple Cisco Webex devices to the cloud.

Registration of multiple devices to the cloud

Provides for the option of moving the registration point of a Cisco Webex device from on-premise to the cloud.



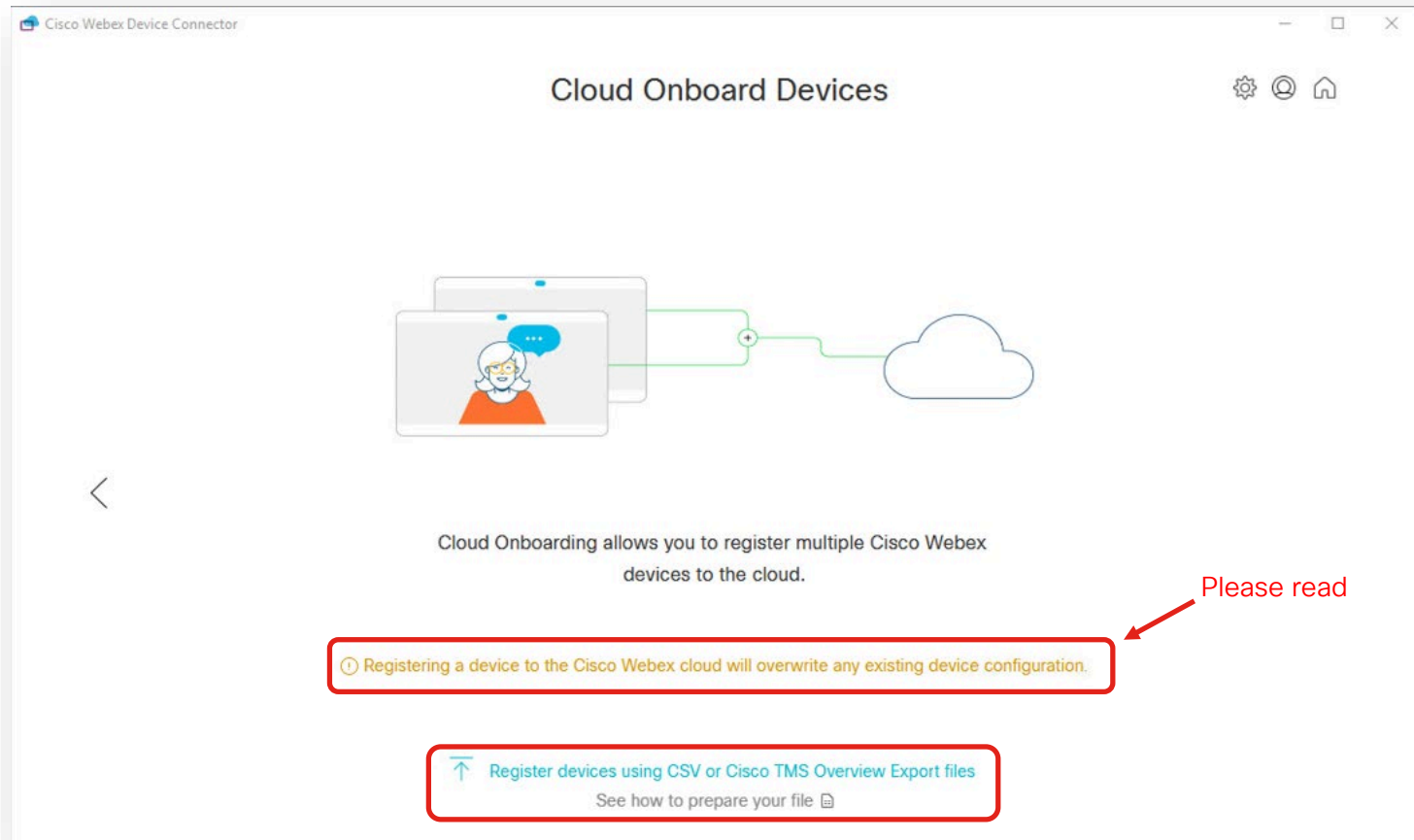
Registration of multiple devices to the cloud



Requirements

- Endpoints to be onboarded must be running CE9.8 or later
- HTTPS connectivity to your devices for the Device Connector
- Webex Control Hub access with either Device Administrator or Full Administrator capabilities
- Device Licenses available in Webex Control Hub

Registration of multiple devices to the cloud



Registration of multiple devices to the cloud

Prepare your files for onboarding

Devices can be onboarded using two different file formats

Cisco TMS Export

1. Export a System Overview report from Cisco TMS, selecting only the Network Settings > Hostname system parameter.
2. Manually add a 'Username' and 'Password' column.

System ID	System Name	IP Address	Status	Hostname	Username	Password
1234	System 1	10.47.1.1	Idle	system1.example.com	Username1	Password1
5678	System 2	10.47.1.2	Idle	system2.example.com	Username2	Password2

CSV File

Use a simple comma-separated-value (CSV) file, with device 'Address', 'Username', and 'Password' columns.

Address	Username	Password
system1.example.com	Username1	Password1
system2.example.com	Username2	Password2

Close

TMS: Systems → System Overview

Information

System Overview allows you to view specific parameters on specific systems. In the left pane you select the systems you want to get an overview of. In the right pane check the parameters you want listed for each of the selected systems. The parameters System Name, IP Address and Status are by default always shown in the result grid.

Select Systems:

- Discover Systems
- System Name
- IP Address
- Status
- Hostname
- Username
- Password

Select System Parameters:

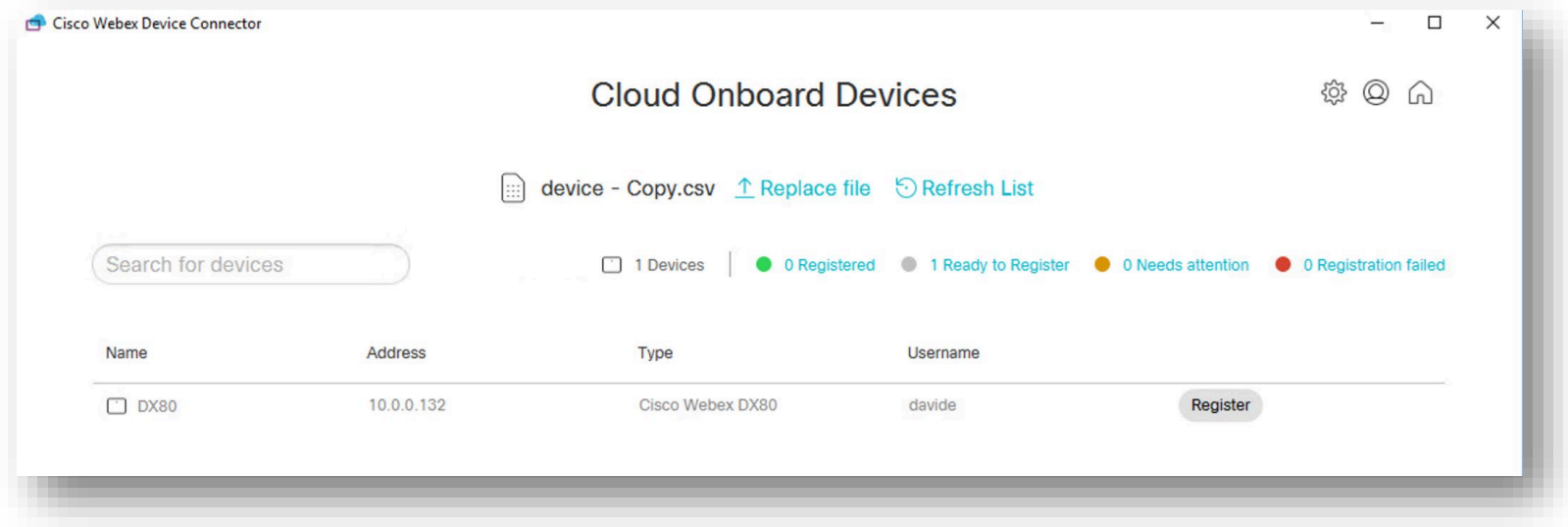
- Authentication Settings
- Call Manager Settings
- General Settings
- H.323 Settings
- ISDN Settings
- Meeting Settings
- Network Settings
- Persistent Settings
- SIP Settings
- SNMP Settings
- Specific System-Category Endpoint Settings
- Support Level Settings

System ID	System Name	IP Address	Status
17	SK10N	10.0.0.110	In Call
24	SK20T	10.0.0.108	Idle
27	EX600m	10.0.0.102	Idle
28	EX70	10.0.0.146	Idle
29	EX600m	10.0.0.106	Idle
30	SK20S	10.0.0.107	In Call

Add username & password and save as .CSV

Upload in the Device Connector

Registration of multiple devices to the cloud



- The Device Connector performs certification validation. In case of failure the admin can continue anyway or add the certificate in the \certs directory (.CER format)
- The tool uses the System Unit name, if set, from the endpoint for the name of the Place in Webex Control Hub. If not set the Place will be named after the MAC address and can be changed in the tool clicking on the name field.

Registration of multiple devices to the cloud

The interface displays the 'Cloud Onboard Devices' page in the Cisco Webex Device Connector. It includes a search bar, a file upload section, and a table of registered devices.

device - Copy.csv [Replace file](#) [Refresh List](#)

Search for devices

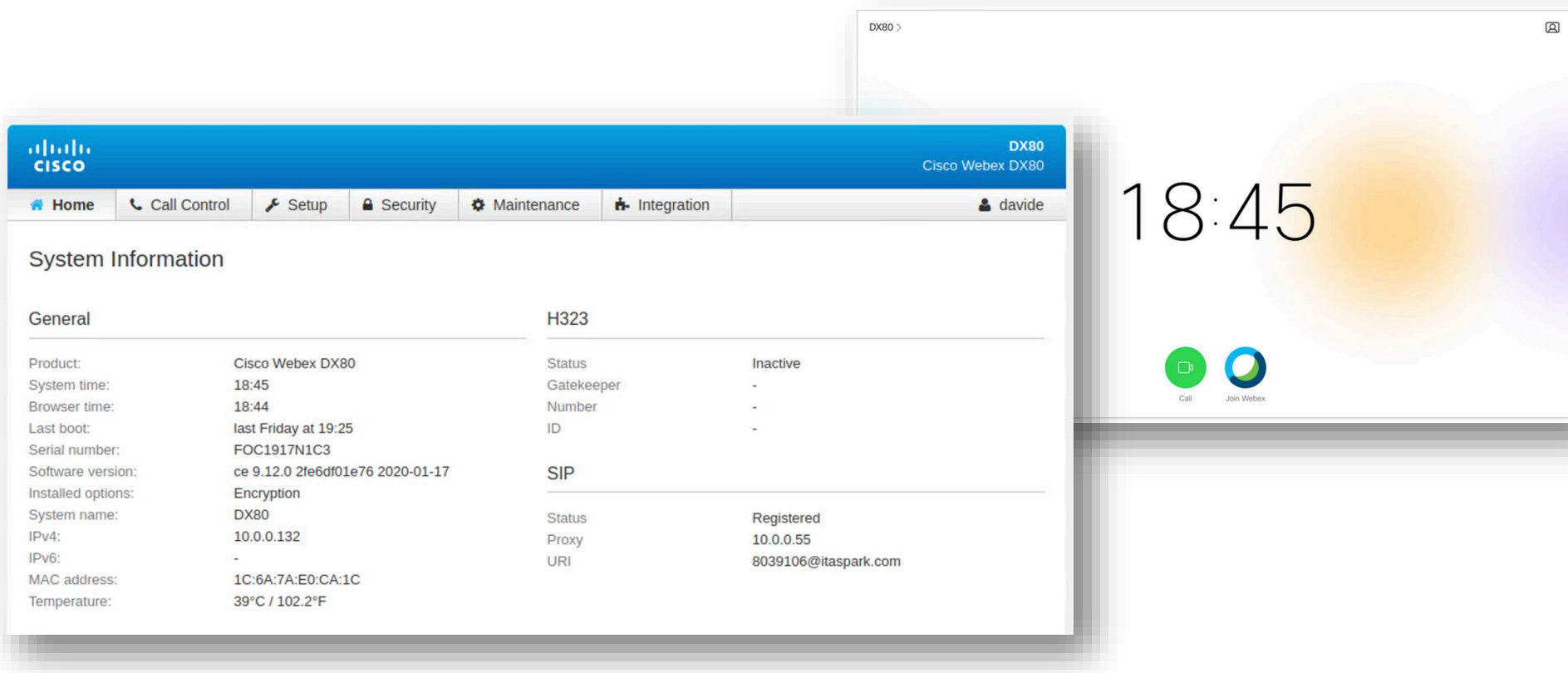
1 Devices | 1 Registered | 0 Ready to Register | 0 Needs attention | 0 Registration failed

Name	Address	Type	Username
DX80	10.0.0.132	Cisco Webex DX80	davide

Registered

Registration of multiple devices to the cloud

Before



The image displays two overlapping screenshots from a Cisco Webex DX80 device. The foreground screenshot shows the 'System Information' page, which includes a navigation bar with tabs for Home, Call Control, Setup, Security, Maintenance, and Integration. The 'System Information' page is divided into two sections: 'General' and 'H323'. The 'General' section lists various system details, and the 'H323' section shows the status of H323 calls. The background screenshot shows a similar page but with a large digital clock displaying '18:45' and two circular icons labeled 'Call' and 'Join Webex'.

System Information

General

Product:	Cisco Webex DX80
System time:	18:45
Browser time:	18:44
Last boot:	last Friday at 19:25
Serial number:	FOC1917N1C3
Software version:	ce 9.12.0 2fe6df01e76 2020-01-17
Installed options:	Encryption
System name:	DX80
IPv4:	10.0.0.132
IPv6:	-
MAC address:	1C:6A:7A:E0:CA:1C
Temperature:	39°C / 102.2°F

H323

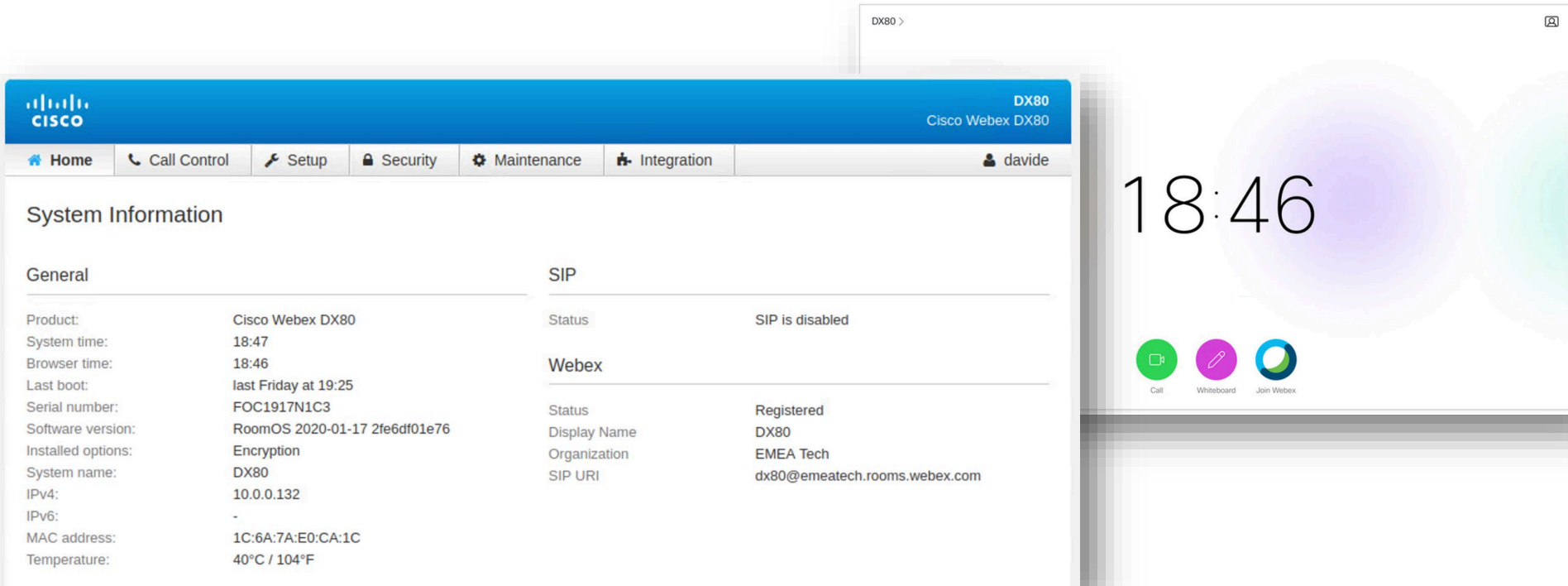
Status	Inactive
Gatekeeper	-
Number	-
ID	-

SIP

Status	Registered
Proxy	10.0.0.55
URI	8039106@itaspark.com

Registration of multiple devices to the cloud

After



The image displays the Cisco Webex DX80 management interface and the device's home screen. The management interface on the left shows system information, SIP status, and Webex registration details. The device display on the right shows the time 18:46 and icons for Call, Whiteboard, and Join Webex.

System Information

General	
Product:	Cisco Webex DX80
System time:	18:47
Browser time:	18:46
Last boot:	last Friday at 19:25
Serial number:	FOC1917N1C3
Software version:	RoomOS 2020-01-17 2fe6df01e76
Installed options:	Encryption
System name:	DX80
IPv4:	10.0.0.132
IPv6:	-
MAC address:	1C:6A:7A:E0:CA:1C
Temperature:	40°C / 104°F

SIP

SIP	
Status	SIP is disabled

Webex

Webex	
Status	Registered
Display Name	DX80
Organization	EMEA Tech
SIP URI	dx80@emeatech.rooms.webex.com

Device Display

DX80 >

18:46

Call Whiteboard Join Webex

Registration of multiple devices to the cloud

After

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

Find and List Phones Related Links: [Actively Logged In](#)

+ Add New + Add New From Template ☐ Select All ☐ Clear All ☒ Delete Selected Reset Selected Apply Config to Selected

Status
8 records found

Phone (1 - 8 of 8)

Find Phone where Device Name ▾ begins with ▾ Find Clear Filter

Select item or enter search text ▾

		Device Name(Line) ^	Description	Device Pool	Device Protocol	Status	Last Registered	Last Active	Unified CM	IPv4 Address
<input type="checkbox"/>		SEP00CCFC6167BB	SX10N	Default	SIP	Registered	Now	Jan 22, 2020 7:29:59 PM	cucm.itaspark.com	10.0.0.110
<input type="checkbox"/>		SEP189C5D20A70F	DX650	Default	SIP	Registered	Now	Jan 20, 2020 4:25:04 PM	cucm.itaspark.com	10.0.0.115
<input type="checkbox"/>		SEP1C6A7AE0CA1C	DX80	Default	SIP	Unregistered	Jan 27, 2020 12:57:19 AM		cucm	10.0.0.132
<input type="checkbox"/>		SEP64F69D66602C	EX60btn	Default	SIP	Registered	Now	Jan 21, 2020 2:42:04 PM	cucm.itaspark.com	10.0.0.102
<input type="checkbox"/>		SEP7426ACF35F4E	DX70	Default	SIP	Registered	Now	Jan 27, 2020 12:32:01 AM	cucm.itaspark.com	10.0.0.146
<input type="checkbox"/>		SEPE4C7226C5051	EX60top	Default	SIP	Registered	Now	Jan 21, 2020 2:42:01 PM	cucm.itaspark.com	10.0.0.105
<input type="checkbox"/>		SEPF87B205187BC	SX20T	Default	SIP	Registered	Now	Jan 27, 2020 12:08:10 AM	cucm.itaspark.com	10.0.0.108
<input type="checkbox"/>		SEPF87B20DAC3BD	SX20S	Default	SIP	Registered	Now	Jan 21, 2020 10:15:48 AM	cucm.itaspark.com	10.0.0.107

Registration of multiple devices to the cloud

After: full cloud features

Devices

15
DEVICES IN TOTAL

Online, With Issues

3

Expired

0

Offline

3

Online

9

Status Unavailable

0

0 devices selected

Edit Configurations

Export as CSV

Delete Devices

Type	Status	Belongs to
<input type="checkbox"/> Cisco TelePresence MX200 G2	Online	mx200g2
<input type="checkbox"/> Cisco TelePresence SX10	Online, With Issues	SX10N
<input type="checkbox"/> Cisco TelePresence SX20	Online	SX20N Lab
<input type="checkbox"/> Cisco TelePresence SX20	Online, With Issues	SX20S
<input type="checkbox"/> Cisco TelePresence SX20	Online	SX20T
<input type="checkbox"/> Cisco Webex Board 55	Online	Moorea
<input type="checkbox"/> Cisco Webex Board 70	Online	SSC-ICT demo
<input type="checkbox"/> Cisco Webex DX70	Online	DX70
<input type="checkbox"/> Cisco Webex DX70	Offline	Home
<input type="checkbox"/> Cisco Webex DX80	Online	Desk8
<input checked="" type="checkbox"/> Cisco Webex DX80	Online	DX80
<input type="checkbox"/> Cisco Webex DX80	Online	DX80 Lab
<input type="checkbox"/> Cisco Webex Room Kit	Online, With Issues	Mirach
<input type="checkbox"/> Cisco Webex Room Kit Mini	Offline	Moorea
<input type="checkbox"/> Cisco Webex Share	Offline	Davide's Share

Cisco Webex DX80

Online

Device

Belongs to

DX80

Tags

Add tag +

Manage alerts Beta

☒ Alert me when this device goes offline or online

☒ Alert me when this device has issues or issues are resolved

Alerts for this device are automatically enabled because alerts for all devices are configured in My Alerts. [Read more about alerts](#)

Actions

When you report an issue, device logs will be sent to Cisco.

Report Issue

Delete

Details

Lines

None

IP Address

10.0.0.132

Network Connectivity

Wired

MAC Address

1C:6A:7A:E0:CA:1C

SIP Address

dx80@emeatech.rooms.webex.com

Cisco Webex DX80

Online

Device > Place

DX80

can edit the name of the place

can edit services

Edit

Services

Calling

Free Calling >

Calendar Service

Activated >

Devices

Cisco Webex DX80

can change the software channel

Device Settings

Software Upgrade Channel

Preview

Lock Settings on Touch Devices

Device APIs Access

View/Edit Access

Onboarding Flow

Migration from on-premise registration to cloud

For your
Reference



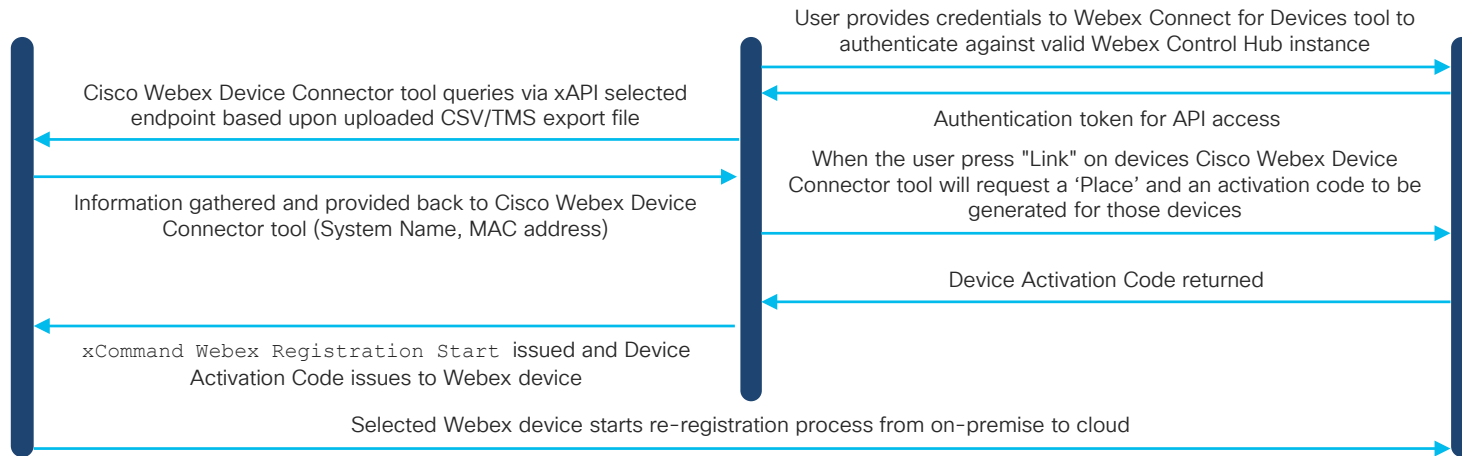
On-premise
Webex device



Cisco Webex Device
Connector tool



Cisco Webex
Cloud



Conclusion

Take aways

- **Webex Edge for Devices combines the best of both deployment models**
 - On-premise call control for media and signaling while enhancing the user experience with advanced cloud-based capabilities
- **Architecture simplification**
 - Enables cloud-based Calendar Service without needing the TMS/TMS-XE for scheduling anymore
- **Enables the smooth migration of video endpoints to the Cloud**
 - Same scheduling experience for users
- **Single pane of glass for managing video endpoints (Webex Control Hub)**

Resources

Webex Edge for Devices on help.webex.com:

<https://help.webex.com/en-us/cy2l2z/Webex-Edge-for-Devices>

CE 9.10 Release Notes:

<https://www.cisco.com/c/dam/en/us/td/docs/telepresence/endpoint/software/ce9/release-notes/ce-software-release-notes-ce9.pdf>

Webex Edge for Devices Security White Paper:

https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/cloudCollaboration/wbxt/whitepapers/webex-edge-devices-white-paper.pdf

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