



## COLLABORATION TRANSITIONS

Customer Journeys and Readiness:

Webex Migrations

CTG Technical Marketing Engineering Team

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Webex Migrations

# Migration Journeys

## Guidelines

The following icons are used to indicate the Collaboration workloads, platform deployment, and Webex App capabilities that is being referenced on a page.



Messaging



Meetings



Calling



Jabber



Webex Meetings App



Premise Deployment



Webex Cloud Deployment



Webex App



Webex App (Meetings)\*

\* FFM = Full Featured Meetings

# Webex Migrations Webex App Journeys

Org is enabled for "Full-Featured Meeting Experience" Mobile devices still require Webex Meetings App Events (classic), Support and Training do not use the Webex App

<u>Note</u>: Calling platform migration (e.g., on-premises UCM to Webex Calling) is NOT part of these journeys.

Workload(s)	Migrating From		Migrating To	Migration Complete When Webex App is Used for:
Calling + Messaging + Meetings	+ webex	•	UCM webex	<ul> <li>Calling with On-prem UCM</li> <li>Webex Messaging</li> <li>Webex Meetings<sup>1</sup></li> </ul>
Calling + Messaging	UCM + IM&P	•	UCM webex	<ul><li>Calling with On-prem UCM</li><li>Webex Messaging</li></ul>
Calling + Meetings	+ webex	•	UCM webex	<ul> <li>Calling with On-prem UCM</li> <li>Webex Meetings<sup>1</sup></li> </ul>
Calling	UCM	•	UCM UCM	Calling with On-prem UCM
Meetings	webex	•	webex	• Webex Meetings <sup>1</sup>

## Webex Calling Journeys (From UCM)<sup>1</sup>

Multi-tenant or Dedicated Instance. Can also include Messaging and/or Meetings workloads.

\* <u>Note</u>: If you still require IM&P messaging to comply with specific features or compliances, users can stay on Jabber and move to Dedicated Instance.

## Option 1: Single phase migration



## Webex Calling Journeys (From UCM)<sup>1</sup>

Multi-tenant or Dedicated Instance. Can also include Messaging and/or Meetings workloads.

\* <u>Note</u>: If you still require IM&P messaging to comply with specific features or compliances, users can stay on Jabber and move to Dedicated Instance.

## Option 1: Single phase migration



## Option 2: Two phase migration



## Webex Calling Journeys (From UCM)<sup>1</sup>

Multi-tenant or Dedicated Instance. Can also include Messaging and/or Meetings workloads.

\* <u>Note</u>: If you still require IM&P messaging to comply with specific features or compliances, users can stay on Jabber and move to Dedicated Instance.

## Option 1: Single phase migration



## Option 2: Two phase migration







Webex Migrations

# Pre-Migration Activities

# How to be Migration Ready



- Understand architecture and platform changes
  - New connection requirements
  - User login experience
  - User provisioning and management
  - Changes to traffic flows

- New components or services
- New clients
- Existing components being removed from environment
- **\*** Etc. ...
- ✓ Review and Complete pre-migration work for:
  - ALL required activities
  - Any recommended/optional activities to meet your requirements

# 3 Phase Approach



### **Migration Ready**



#### Webex Migrations **Required Activity** Recommended Activity Pre-Migration Activities Optional Activity Migration Ready webex webex **Pre-Migration** Enable Control Hub Network/Security Application Messaging Webex Ora **Analytics** Readiness Readiness Setup Interop Validate Network · Create / Verify Verify / Claim Connectivity Production Domain(s) Webex Org Auto License Security / InfoSec Add/Verify **Templates Approvals** All workloads 😭 🕲 🕲 Licenses · Claim users Deploy SSO User Provisioning Directory Sync Webex Calling (&) · Cloud- Configure Users' Phone Connected UC ...... Numbers · Verify/ Update Verify Licenses Internal / External Jabber Software **Voice Domains** Telemetry Versions (8) **UCM Calling** Validate DNS SRV Authentication Records Method SSO OAuth w/ Refresh Token Deploy Hybrid Flow Config Messaging Messaging (2) · MRA Deployment XMPP & SIP Federation Centralize IM&P Link SA Webex Verify / Update Clusters Sites & Users **Webex Site** Meetings 💮 version · Deploy Hybrid Calendar Verify / Update

**WDA** version





Webex Migrations

# Migrations by Workloads





Webex Migrations

# Messaging Migration

# Messaging Journey



#### **Required Activity**

Recommended Activity
Optional Activity





## Pre-Migration

Create Webex org

- Create / Cloud-Verify Connec
   Production UC
   Webex Org
   Jabber
- Add / Verify Licenses

Enable Analytics

Telemetry

- Cloud Connected
   Verify / Claim
   Domain(s)
  - Auto License Templates
  - Claim Users
  - Deploy SSO
  - User Provisioning

     (Directory
     Connector,
     SCIM, CCUC.

API)

CSV. Manual

#### Control Hub Setup Network / Security Readiness

- Validate
   Network
   Connectivity
- Security / InfoSec Approvals

### Deploy Hybrid Messaging

Messaging

Interop

- XMPP & SIP Federation
- Centralize IM&P Clusters

### Migration Prep

#### Control Hub Config

- Configure Control Hub Messaging Features & Services
- Message retention
- Content Management
- External Messaging restrictions
- Review / Configure App update schedule

### • Review Protocol

Hander

**Application** 

Prep

 Identify client requirements (Desktop, Mobile, VDI)

integrations

- Understand deployment options (desktop & mobile)
- Develop migration plan
- Stage Webex App installation file

### Rollout & Decom



### Complete Migration

- End user comms / training
- Migrate users (Jabber to Webex App)
- Migrate
   User/Org
   Contacts
- MS Office integration
- Update protocol handlers for 3<sup>rd</sup> party integrations

- Remove Jabber from user's devices
- Archive persistent chat history
- Decommission IM&P Servers



# Messaging Readiness Checklist



- Mandatory
- Highly RecommendedO Optional

Checks	Required
Production Webex Org <sup>1</sup>	✓
Required Licenses Available in Control Hub	✓
Network Connectivity (to Webex) - Protocols, Ports, Bandwidth	✓
Security / InfoSec Approvals	✓
Verify Domain(s) (Best Practice)	•
Claim Domain(s) (Best Practice)	•
Claim Users (Best Practice)	•
Auto License Template (Best Practice)	•

<sup>1</sup> Consider Data Residency (which Webex datacenter stores customer's data)

Checks	Required
SSO Enabled (Best Practice) Webex Control Hub	•
User Provisioning	✓
Directory Sync (Best Practice) Webex Control Hub - Directory Connector / SCIM / CCUC	•
UC Analytics Enabled CCUC Jabber Telemetry	0
XMPP or SIP Federation	0
Hybrid Messaging Services <sup>2</sup>	0
Centralize IM&P clusters	0

<sup>&</sup>lt;sup>2</sup> May be desired for phased migrations

# Messaging Migration Prep Considerations



- Types/Groups of Jabber users
  - Messaging only, Calling only, Full UC, etc.
- Review Jabber only Features
  - · Persistent Chat Rooms
  - Managed File Transfer
  - Etc...
- Webex Messaging Services/Configurations:
  - Message Retention Policy
  - Content Management
    - 3rd party ECM (Enterprise Content Management) integrations
  - External Messaging Policy/Restrictions

- Review 3rd party app integrations using Protocol Handlers
  - Launching Webex App from other applications\*
- Client Requirements: Desktop (Win, Mac), Mobile, VDI\*
  - User log-in experience, Push notifications, etc.
- Webex App Deployment Options\*
- Develop Migration Plan\*
- Contact Migration Options:
  - Users' personal contacts and Org contacts
- MS Office/Outlook Integration Requirements





Webex Migrations

# Meetings Update

# Meetings Journey



#### **Required Activity**

Recommended Activity Optional Activity

### Migration Ready





Create Webex org

Create /

Production

Webex Org

Add / Verify

Licenses

Verify

Control Hub Setup

Network / Security Readiness

Application Readiness

- Link SA Webex Sites & Users
- Verify / Claim Domain(s)
- Auto License **Templates**
- Claim Users
- Deploy SSO
- User
- **Provisioning** (Directory Connector, SCIM, CCUC, CSV, Manual, API)
- · Deploy Hybrid Calendar

- Validate Network Connectivity
- Security / InfoSec **Approvals**
- Verify / Update **Webex Meeting** site version
- Verify / Update WDA version

## Verify users

- Verify / **Enable Org** for Full Feature Meeting
- Set Meeting Data Retention Policy
- · Review / update schedule

### Migration Prep

**Application** 

Prep

· Identify client

Mobile, VDI)

Understand

options

mobile)

Develop

plan

App

migration

Stage Webex

installation file

deployment

(desktop &

(Desktop,

requirements

Control Hub Config

- are assigned correct meeting licenses
- Experience
- Configure App

### Rollout & Decom



Complete Migration

webex

- End user comms / training
- Update user's app (WDA to Webex App)
- MS Office integration

 Remove **WDA from** user's devices

# Meetings Readiness Checklist



- ✓ Mandatory
- Highly RecommendedO Optional

Checks	Required
Production Webex Org	✓
Required Licenses Available in Control Hub	✓
Network Connectivity (to Webex) - Protocols, Ports, Bandwidth	✓
Security / InfoSec Approvals	✓
Webex Meeting Site(s) Version <sup>1</sup>	✓
Webex Site & User Linking <sup>2</sup>	✓
Verify Webex Desktop App (WDA) Version <sup>3</sup>	✓

<sup>1</sup> Webex Meetings site must be on 40.10 or later (latest version recommended)

Checks	Required
Verify Domain(s) (Best Practice)	•
Claim Domain(s) (Best Practice)	•
Claim Users (Best Practice)	•
Auto License Template (Best Practice)	•
SSO Enabled <i>(Best Practice)</i> Webex Control Hub <sup>4</sup>	•
User Provisioning	✓
Directory Sync (Best Practice) Webex Control Hub - Directory Connector / SCIM / CCUC	•
Hybrid Calendar Services (Best Practice)	•

<sup>4</sup> Highly recommend to enable SSO on Control Hub if SSO is enabled on Site Admin managed sites before updating. This is to avoid possible different authentication methods for users.

<sup>2</sup> For Site Administration sites, Webex Meetings site(s) and Webex Meeting users <u>must be</u> linked to Webex Control Hub

WDA 41.2 or later (latest version recommended)

# Meetings Update Prep Considerations



- Verify Users are Assigned Correct Meeting License in Control Hub\*
- Verify/Enable Org for "Full-Featured Meeting" Experience\*
- Set Meeting Data Retention Policy
- Configure App Update Schedule
- Client Requirements: Desktop (Win, Mac), Mobile, VDI\*
  - User log-in experience, Push notifications, etc.

- Webex App Deployment Options\*
- Calendar Service Capabilities and Options (Outlook, In-App)
- Understand Video Mesh Implications\*
- Productivity Tools and Webex Scheduler will NOT be Impacted
  - <u>Note</u>: Productivity Tool EOL last release is June 2022 Start migration to Webex Scheduler

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 Requirements for Webex Events, Webex Support and/or Webex Training





Webex Migrations

# UCM Calling Migration

# **UCM Calling Journey**



#### Required Activity

Recommended Activity
Optional Activity

### Migration Ready





Webex Org

Create /

Verify

Production

Webex Org

 Cloud-Connected

Enable

**Analytics** 

• Jabber Telemetry

UC

Control Hub Setup

 Verify / Claim Domain(s)

- Claim Users
- Auto License Templates
- Deploy SSO
- User Provisioning

(Directory Connector, SCIM, CCUC, CSV, Manual, API)

• Configure Users' Phone Numbers Network / Security Readiness

Validate
 Network
 Connectivity

- Security / InfoSec Approvals
- Verify /
  Update
  Internal /
  External
- Voice
  Domains

  Validate DNS
  SRV Records

  SNV Records

  SSO OAuth w/
  Refresh Token
  Flow Config
  (CUCM,
  Expwy, CUC)
  - MRA Deployment

UC

**Applications** 

Verify

Licenses

Software

Versions

Expwy, CUC)

Authentication

(CUCM / CUC)

(CUCM.

Method

### Migration Prep

Expressway

Confias

Service

profiles.

Security

profiles,

Jabber-config.

Secure calls/

notifications,

SIP OAuth.

QoS, Push

etc.)

#### Control Hub Config

Configure
Control Hub
Calling
(UC Profiles

(UC Profiles, Org settings, Calling settings, Client settings, etc.)

Review /
Configure App
update
schedule

## Unified CM.

Verify CUCM / Expwy Configs
 (End Users configs, ILS, Home clusters.

Mobile, VDI)

Understand deployment options (desktop &

(Desktop.

requirements

**Application** 

Prep

- mobile)
   Develop migration plan
- Stage Webex
   App
   installation file

### Rollout & Decom

Application rollout

Complete Migration

- End user comms / training
- Migrate users (Jabber to Webex App)
- Migrate User/Org Contacts
- MS Office integration
- Update Protocol Handlers for 3<sup>rd</sup> party integrations

 Remove Jabber from user's devices

## UCM Calling Readiness Checklist

<b>V</b>	Mandatory
	Highly Recommended
0	Optional

<u> </u>		
Checks	Required	
Production Webex Org	✓	
Required Licenses Available in UCM	✓	
Network Connectivity (to Webex) - Protocols, Ports, Bandwidth	✓	
Security / InfoSec Approvals	✓	
UCM / CUC Authentication Method	✓	
Verify Internal and External Voice Domains are the Same	✓	
Validate DNS Configurations	✓	
Verified Domain(s) (Best Practice)	•	
Claimed Domain(s) (Best Practice)	•	
Claim Users (Best Practice)	•	
Auto License Template (Best Practice)	•	
SSO Enabled (Best Practice) Webex Control Hub UCM Expressway <sup>1</sup> Unity Connection <sup>2</sup>	•	

SSO required on Expressway if enabled on UCM for Mobile and Remote Access (MRA)

О Ориона	
Checks	Required
User Provisioning	✓
Directory Sync (Best Practice) Webex Control Hub - Directory Connector / SCIM / CCUC UCM Unity Connection	•
Users' Phone Numbers Configured in Control Hub	✓
UC Analytics Enabled CCUC Jabber Telemetry	0
Software Versions <sup>3</sup> UCM Expressway Unity Connection (align with UCM version)	√ √ √
SSO OAuth w/ Refresh Token Flow (Best Practice) UCM Expressway Unity Connection	•
MRA for remote users	0

<sup>3</sup> Minimum:

UCM 12.5(1) or later required for secure calling (SIP OAuth) - SIP and media
UCM 12.5(1)SU4 or later and Expressway X14.0 or later recommended for best mobile
SSO experience

<sup>2</sup> SSO required on CUC if enabled on UCM

<sup>\*</sup> UCM: 11.5(1)SU3 / 12.5(1) --or-- 11.5(1)SU8 / 12.5(1)SU3 (for iOS)

<sup>\*</sup> Expressway: X8.11.4 / X12.5.0

# UCM Calling Migration Prep Considerations



- Types/Groups of Jabber users
  - · Messaging only, Calling only, Full UC, etc.
- Control Hub Calling Setting\*
- Webex App Update Schedule
- Review UCM and Expressway Configurations\*
- Identify Users' Home Clusters
- UCM End-User Source
- UCM/Jabber Directory Integrations
- Desk Phone Control Requirements
- Understand Contact Center Requirements\*
- Client Requirements: Desktop (Win, Mac),

### Mobile, VDI\*

- · User log-in experience, Push notifications, etc.
- User's Primary Number/Dial-plan:\*
  - E.164 vs Extensions
- Develop Migration Plan\*
- Webex App Deployment Options\*
- Contact Migration Options:
  - Users' personal contacts and Org contacts
- MS Office/Outlook Integration Requirements
- Review 3rd party app integrations using Protocol Handlers
  - Launching Webex App from other applications\*





Webex Migrations

# Webex Calling Migration (From On-Prem UCM)

# Webex Calling Journey (from UCM)



#### Required Activity

Recommended Activity Optional Activity







Create Webex org

- · Create / Verify Production Webex Org
- · Add / Verify Licenses

Enable **Analytics** 

· Cloud-

Jabber

UC

Connected

Telemetry

Control Hub Setup

- Verify / Claim Domain(s)
- Claim Users
- Deploy SSO

User

- **Provisioning** (Directory Connector. SCIM. CCUC. CSV, Manual, API)
- Configure Users' Phone Numbers

### Network / Security Readiness

- Validate Network Connectivity
- Security / InfoSec Approvals

- Design dial-UCM/ PBX
- Define 3<sup>rd</sup> Party. Protocol handler & API integration requirements
- UCM Data extraction
- User & Device validation

### Migration Prep

Control Hub

Confia

Discovery. Planning & Design

- Understand UX changes
- Identify Calling Location. Features & Service requirements
- plan & PSTN/ Integrations

- Calling Features & Services
- (Org settings, Calling settings, Calling features. Dial plan, Client settings, etc.)
- Locations & Location services/ features
- PSTN services
- Users and **Devices**
- Add Phone numbers
- Deploy UCM/PBX interop - LGW
- · Review / Configure App update schedule

### **Application**

Configure 3<sup>rd</sup>

party & API

integrations

Identify client

requirements

(Desktop,

Mobile, VDI)

Understand

(desktop &

migration plan

App installation

Stage Webex

options

mobile)

Develop

deployment



- End user comms / training
- Migrate users (UCM to WxC)
- Phone FW Updates
- Ent > MPP (MT)
- Ent > Ent (DI)
- PSTN Number Porting
- Migrate User/Org Contacts
- MS Office integration
- Update Protocol Handlers for 3rd party integrations

### Rollout & Decom



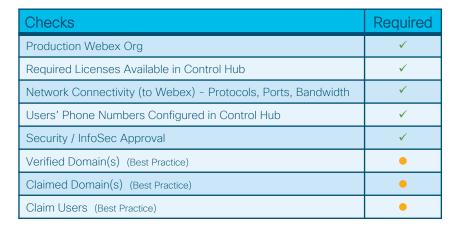
Complete Migration

webex

 Remove Jabber from user's devices

# Webex Calling Readiness Checklist

(from UCM Prem)





- Mandatory
- Highly RecommendedO Optional

Checks	Required
SSO Enabled (Best Practice) Webex Control Hub	•
User Provisioning - Webex Control Hub	✓
Directory Sync (Best Practice) Webex Control Hub - Directory Connector / SCIM / CCUC	•
UC Analytics Enabled CCUC Jabber Telemetry	0

# Webex Calling Migration Prep Considerations



- Types/Groups of Calling Users\*
  - · Calling only, Full UC, etc.
- Understand UX Changes\*
- User & Location Feature and Service Requirements\*
- Understand Contact Center User Requirements\*
- Dial-plan Design\*
  - User Phone Numbers, Extensions, Site Codes, etc.
- PSTN Services\*
- User and Device Inventory/Validation\*
- UCM Data Extraction and Transformation
  - Users, Devices and Active Features
- Control Hub Calling Setting\*

- On-prem PBX Integration (LGW Deployment/Config)
  - · Prem & cloud call routing, phased dial-plan, LGWs, trunks
- Webex App Update Schedule
- Client Requirements: Desktop (Win, Mac), Mobile, VDI\*
  - User log-in experience, Push notifications, etc.
- Develop Migration Plan\*
  - Flash Cut or Phased Migration
- Webex App Deployment Options\*
- Contact Migration Options:
  - Users' personal contacts and Org contacts
- MS Office/Outlook Integration Requirements
- Review 3rd party app integrations using Protocol Handlers: launching calls via Webex App from other applications





Webex Migrations

Customer Readiness

Pre-Migration Activity Details





Webex Migrations

# Required Activities



## Webex App - Required Activities

### Production Org - Webex Control Hub

- Critical to ensure the customer Org is not on a Trial. If necessary, work with your Cisco Webex Partner or Cisco Account team to migrate to a production Org before starting any migration activities.
- For Webex Calling it is important to identify/select the best region for initial provisioning to provide the lowest delay in signaling traffic for the majority of the users.
- Reference Links:

Get Started with Cisco Webex Control Hub

### Required Licenses - Webex Control Hub

- Critical to ensure the appropriate licenses and quantities have been added to your production Org for user assignment.
- Contact your Cisco Account team or Cisco Webex Partner for additional information on license requirements and/or purchasing additional licenses.
- Reference Links:

View License Usage in Cisco Webex Control Hub



## Webex App - Required Activities

### Network Connectivity - Webex Control Hub

- Critical to ensure the customer network allows for the appropriate protocols, ports, bandwidth and security
  policies to allow the Webex App to connect to the Webex cloud services.
- Reference Links:

Network Requirements for Webex, Webex Meetings, and Cisco Jabber

Network Requirements for Webex Services

How Do I Allow Webex Meetings Traffic on My Network?

Bandwidth Planning in your Cisco Webex Meetings Environment White Paper

Cisco Webex Hybrid Services Bandwidth Management

Cisco Webex Network Test

### Security / InfoSec Approvals

• Critical to starting working with your InfoSec/Security team early in the planning. This will allow for more time to provide them any security information they need to review and/or approve before deployment.





### **User Provisioning**

- All users who will be consuming Webex services must be provisioned in your Org's Control Hub.
- Add individually users manually, add multiple users via CSV templates, or add users via People APIs.
- Additional options are available to synchronize users (see Directory Sync slide).
- Reference Links:

Add Users Manually in Control Hub

Edit Service Licenses in Control Hub for Individual Users

Add Multiple Users in Control Hub with the CSV Template

Modify Users in Control Hub with the CSV Template

Migrate Users to Webex (Using Cloud-Connected UC)

People API







# Webex App - Required Activities

### Sync Users' Phone Numbers - Webex Control Hub

- Critical to ensure all users have a phone number set/configured in Control Hub.
- Required for contact lookup and click-to-dial.
- Add/Update individual user's phone number manually, add/update multiple users' phone numbers via CSV template, or add/update users' phones numbers via People API.
- Additional options are available to synchronize phone numbers with users.
- Reference Links:

<u>Change Users' Phone Numbers</u> <u>People API</u>

<u>Deployment Guide for Cisco Directory Connector</u> (see "Map User Attributes" and "Active Directory and Cloud Attributes" sections)

<u>Synchronize Azure Active Directory Users into Control Hub</u> (see "Map User Attributes from Azure to Webex" section)

<u>Synchronize Okta Users into Cisco Webex Control Hub</u>

# Webex App - Required Activities



### Validate DNS SRV Records

- Critical to configure DNS SRV records for service discovery to verify they are all correct.
- If migrating from Jabber to the Webex App these should already be in place but recommend to confirm the configuration.
- Reference Links:

Deploying Calling in Webex App (Unified CM) - Configure DNS SRV Records

### Verify Internal/External Voice Domains

- Critical to ensure your internal voice domain and external voice domain are the same for service discovery.
- It is possible to have multiple voice domains for different groups of users, but the voice domain for each must be the same internally and externally.
- Reference Links:

<u>Cisco Collaboration Solution Analyzer</u> (use the "SRV checker" to check your public domains for the correct service records)

<u>UC Manager Profiles in Cisco Webex Control Hub</u>

## Webex App - Required Activities

#### Software Upgrades - UC Premise (UCM, Expressway, Unity)

 Critical to upgrade to the version(s) that provides the required admin and user experience and meets any security requirements.

#### Minimum:

<u>UCM</u>: 11.5(1)SU3 or 12.5(1) <u>Expressway</u>: X8.11.4 or X12.5.0

Unity: Same version as UCM servers

 Secure Calling - signaling & media (SIP OAuth):

UCM: 12.5(1) or later



<u>UCM</u>: 12.5(1)SU4 or later;

Minimum:12.5(1)SU3 or later required

for iOS Push Notifications

Expressway: X14 or later

<u>Unity</u>: Same version as UCM servers

MRA failover:

UCM: 14.0 or later

Expressway: X14.0 or later



## Webex App - Required Activities

#### Authentication Method - UC Premise (UCM, Unity)

• Critical to ensure that UCM and Unity are using the same authentication method and user credentials (e.g. legacy SSO, OAuth SSO, or non-SSO).



## (8)

## Webex App - Required Activities

#### Webex Site & User Linking - Webex Control Hub (Site Admin sites only)

- Critical to link Site Admin managed Webex Meeting sites and users to Control Hub so you can access and manage the sites and users in Control Hub.
- Allows for advanced analytics, detailed troubleshooting data, People Insight features, plus a few other new features and capabilities.
- Allows for users to have the "full meeting experience" from the Webex App.
- Reference Links:

Link Cisco Webex Sites to Control Hub

#### Verify Webex Site(s) Version(s) & WDA Version - Webex Control Hub

- Critical to ensure a smooth upgrade from the Webex Meetings Desktop App (WDA) to the Webex App.
- Webex Meetings site must be on 41.10 or later (latest version recommended).
- If updating WDA to the Webex App via the "Update" button, WDA must be on 41.2 or later (recommend updating to the latest version before updating to the Webex App).





Collaboration Transitions

Webex Migrations

# Highly Recommended Activities



## Webex App - Highly Recommended Activities

#### Verify Domain(s) - Webex Control Hub

- Critical to inform Webex which Org a domain belongs to in order to ensure the security and integrity for the organization.
- Allows customer Administrators to prove to Webex they own the domain.

#### Claim Domain(s) - Webex Control Hub

- Critical to ensure that any new user created from the customer domain is automatically added to the customer's Org, including users who sign themselves up for the Webex App.
- Allows for Administrators to manage the services for all users in the company.

#### Reference Links:

Manage your Domains - Add, Verify and Claim





#### Claim Users - Webex Control Hub

- Critical to ensure all users have a consistent collaboration experience and access to the same features/capabilities.
- Allows for Administrator to move their users who are using the Webex App in the free consumer org into their Org.
- Reference Links:

Claim Users to Your Organization (Covert Users)

#### Auto License Template - Webex Control Hub

- Important to assign the correct licenses to new users in order to provide them access to the correct services.
- Helps admins simplify user onboarding and license assignments.
- Reference Links:

Set Up Automatic License Assignment Templates in Cisco Webex Control Hub





#### SSO - Webex Control Hub

- Critical to enable if the customer currently has SSO enabled for Jabber in order to maintain the same user experience.
- Critical to enable if the customer currently has SSO enabled for Webex Meetings (Site Admin) in order to maintain the same user experience.
- Important to enable if customer has one or more Webex Meeting sites with SSO enabled.
- Improve user experience by using a single, common set of credentials to log onto all Webex services.
- Reference Links:

Single Sign-On Integration in Control Hub

Configure Single Sign-On for Cisco Webex Site (Meetings workload only)



## Webex App - Highly Recommended Activities

#### SSO - UC Premise (UCM, Expressway, CUC)

- Critical to enable if currently Jabber uses SSO in order to maintain the same user experience.
- Required to enable on Expressway if enabled on UCM for Mobile and Remote Access (MRA).
- Required to enable on CUC if enabled on UCM.
- Important to enable on UCM to maintain a consistent and simplified user experience.
- Important to enable on Unity Connection to maintain a consistent and simplified user experience.
- Improve user experience by using a single, common set of credentials to log-on to all Collaboration services.
- Reference Links:

SAML SSO Deployment Guide for Cisco Unified Communications Applications:

Release 11.5(1), Release 12.5(1), or Release 14

Mobile and Remote Access Through Cisco Expressway Deployment Guide: ("SAML SSO Configuration" section)

X12.7, or X14.0.1

Cisco Unity Connection - Quick Start Guide for SAML SSO Access:

<u>11.x</u>, or <u>12.x</u>

SSO SAML Configurations & Configure SAML SSO on Cisco Unified Communications Manager with ADFS 3.0



## Webex App - Highly Recommended Activities

#### Directory Sync - Webex Control Hub

- Important to maintain an up-to-date user directory in Control Hub.
- Simplifies management (adding and deleting) of users in Webex Control Hub.
- Reference Links:

Deployment Guide for Cisco Directory Connector

Synchronize Azure Active Directory Users into Control Hub

Synchronize Okta Users into Cisco Webex Control Hub





#### Calendar Integration Configured - Webex Control Hub

- Important to enable if the customer has calendar integration with Webex Desktop App (WDA).
- Integrates user's calendar with Webex App calendar to simplify scheduling and joining Webex Meetings.
- Reference Links:

Deployment Guide for Cisco Webex Hybrid Calendar Service

Cisco Webex Hybrid Calendar Service with Microsoft Exchange Integration Reference

Cisco Webex Hybrid Calendar Service with Office 365 Integration Reference

Cisco Webex Hybrid Calendar Service with Google Calendar Integration Reference





## Webex App - Highly Recommended Activities

#### Cloud-Connected UC (CCUC)

- Enables insights into UCM and IM&P deployment and usage (messages, calls).
- Enables operational capabilities and analytics for UCM Calling in Control Hub.
- Enables ability to use Control Hub migration tools to help with the migration effort.
- Use data to assist with user migration planning and effort.
- Reference Links:

What's New in Webex Cloud-Connected UC

Webex Cloud-Connected UC

Analytics for Your Webex Cloud-Connected UC





Collaboration Transitions

Webex Migrations

## Optional Activities

## Webex App - Optional Activities



#### **Jabber Telemetry**

- Enables insights into the Jabber usage patterns (messages and calls).
- Use data to assist with user migration planning and needs.
- Reference Links:

Analytics for Your Cloud Collaboration Portfolio (see "Jabber" tab)

Feature Configuration for Cisco Jabber 12.8 - Telemetry with Cisco Jabber Analytics

Feature Configuration for Cisco Jabber 14.0 - Telemetry with Cisco Jabber Analytics

## Webex App - Optional Activities



#### Mobile & Remote Access (MRA) Deployment

- Deploy MRA to allow remote users to access their UCM voice services when they are <u>outside</u> the Enterprise network.
- Provides UCM phone services (registration, call control) to remote and hybrid workers.
- The Cisco Expressway servers provide secure firewall traversal and line-side support for UCM registrations.

#### • Reference Links:

- Mobile and Remote Access Through Cisco Expressway Deployment Guide (X12.7)
- Mobile and Remote Access Through Cisco Expressway Deployment Guide (X14.0.2)

## Webex App - Optional Activities



#### Hybrid Messaging Service

- Can be deployed if Jabber and Webex users need to communicate between each other during a phased migration.
- Make sure to understand all requirements, limitations, and scale/capacity before deploying.
  - Review Deployment Guide for Hybrid Message and User Capacity Limits for Expressway-Based Hybrid Services document
- If multiple IM and Presence Service clusters exists, Intercluster Sync Agent (ICSA) must be working across them. You may also consider centralizing the IM&P clusters for simplicity.

#### • Reference Links:

Deployment Guide for Hybrid Message

Things to Prepare Before You Deploy Cisco Webex Hybrid Services

Message Connector release notes

User Capacity Limits for Expressway-Based Hybrid Services

Hybrid Services capacity calculator

Configuration & Administration for the IM&P Service: Configure Intercluster Peers

## Webex App - Optional Activities



- XMPP & SIP Federation
  - Federation can be configured for Webex Messaging if required to communicate with 3<sup>rd</sup> party solutions.
  - Reference Links:
    - <u>Administration SIP or XMPP Interdomain Federation for Webex</u>
    - XMPP Federation for Webex App





Collaboration Transitions

Webex Migrations

Customer Readiness

Migration Readiness – Next Steps









COLLABORATION TRANSITIONS

Assessment Checks

CTG Technical Marketing Engineering Team

Customer:

**Customer Migration Readiness** 

## Customer Migration Readiness Assessment - Checks

Use the following assessment document from the Migration Readiness section on the Collaboration

Transition page to verify readiness to migrate each workload:

#### Webex Migrations - Customer Readiness Assessment

## Customer Migration Readiness Assessment Check 1) To start a new assessment click the "Start" button in the Workloads table. 2) Select "Yes" or "No" for each Workload the customer is migrating. You MUST make a selection for each workload 3) In the "Customer Status" column select one of the dropdown answers for each question in both "Readiness Checks" tables based on customer's current configuration 4) Use "NA" for any services or products not in use in the customer environment (e.g. Unity Connection) Customer Relevant

Workloads Start	Migrating?		Readiness Checks	1 Required 2 Best Practice	Customer Status	Relevant Workloads
1 - Calling	Yes-UCM	*	Is the Webex Org a Production Org? 1		Yes	1, 2, 3
a) On-prem UCM Calling <sup>1</sup>			Are valid licenses available in Control Hub and/or CUC	CM? 1	Yes	1a,1b, 2, 3
b) Webex Calling <sup>2</sup>			Has all Network Connectivity to Webex been impleme	ented? 1	No	1a,1b, 2, 3
2 - Messaging	Yes	]	Have all Domain(s) been <u>Verified</u> in Control Hub? <sup>2</sup>		Yes	1a,1b, 2, 3
3 - Meetings	Yes		Have all Domain(s) been Claimed in Control Hub? 2		No	1a,1b, 2, 3
1 - Jabber to Webex App with UCM Calling			Have Users been Claimed in Control Hub? 2		No	1a,1b, 2, 3
2 - On-prem UCM to Webex Calling**			Are Auto-License Templates Setup in Control Hub 2		Yes	1a,1b, 2, 3
** Jabber to Webex App migration is required			Is MRA for Jabber required? And implemented?		Yes/No	1a
			Is SSO Enabled for: 2			
			Control Hub?		No	1a,1b, 2, 3
			Site Admin?		Yes	3
			Unified CM?		No	1a
			Expressway?		No	1a
			Unity Connection?		No	1a
			Is SSO OAuth w/ Refresh Token Flow enabled for: 2			
			Unified CM?		No	1a
			Expressway?		No	1a
			Unity Connection?		No	1a
			Is same Authentication method configured for CUCM	and CUC? 1	Yes	1a
			Are Users Provisioned in Control Hub? 1		Yes	1a,1b, 2, 3

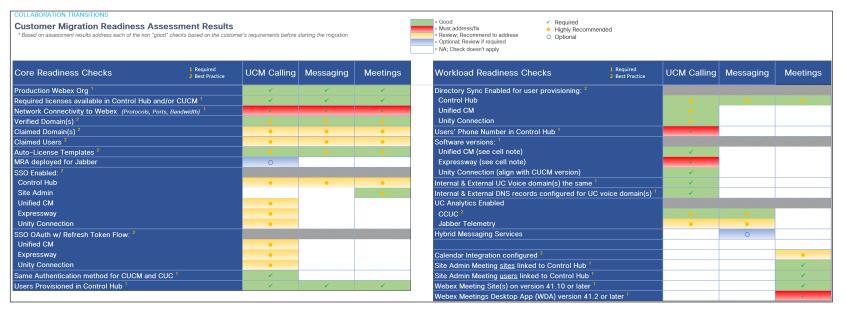
		CONSOCIAL TRANSPORT - Tradex regressive resources resources		
Readiness Checks	1 Required 2 Best Practice	Customer Status	Relevant Workloads	
Is Directory Sync Enabled for user provisioning on:	2			
Control Hub?		Yes	1a,1b, 2, 3	
Unified CM?		Yes	1a	
Unity Connection?		Yes	1a	
Do Users have Phone Numbers configured in Contro	ol Hub? 1	No	1a, 1b	
Is required software version installed on: 1				
Unified CM (see cell note)?		Yes	1a	
Expressway (see cell note)?		No	1a	
Unity Connection (align with CUCM version)?		Yes	1a	
Are the Internal & External UC Voice domain(s) the	same? 1	Yes	1a	
Are Internal & External DNS records configured for	UC voice domain(s)?	Yes	1a	
Is UC Analytics Enabled via:				
CCUC? <sup>2</sup>		Yes	1a, 1b, 2	
Jabber Telemetry?		No	1a, 1b, 2	
Are Hybrid Messaging Services required? And imple	emented?	Yes/No	2	
Is XMPP and/or SIP Federation required? And imple	emented?	No/NA	2	
Is Calendar Integration Configured? 2		No	3	
Are Site Admin Meeting sites linked to Control Hub?	? 1	Yes	3	
Are Site Admin Meeting users linked to Control Hub	? 1	Yes	3	
Is Webex Meeting Site(s) on version 41.10 or later?	· 1	Yes	3	
Is Webex Meetings Desktop App (WDA) version 41.	.2 or later deployed? 1	No	3	



## Customer Migration Readiness Assessment - Results

The results are generated from the assessment checks and highlight which migration readiness activities need attention.

Results on 2<sup>nd</sup> tab of Webex Migrations - Customer Readiness Assessment document



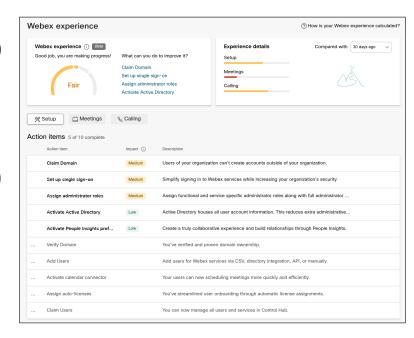
## Webex Experience

• Use the Webex Experience page in Control Hub to see which

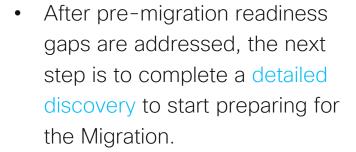
readiness activities are not completed

MONITORING > Webex Experience > Setup (tab)

- Action items include Pre-Migration activities plus a few others
- Completed items marked with 3 dots (...)
- Review incomplete items



## Migration Discovery Checklist



 Here are some sample checklist items for the discovery.





## Migration Project Plan









- Develop a Migration Project Plan (does NOT include pre-migration work, which is completed before starting the project).
- Migration Project Plan can include (but not limited to) the following phases:
  - Discovery/Kick-off
  - Communication Planning
  - Webex Control Hub Verification

 UCM & Webex Control Hub Calling Configuration

- Test & Validate
- Application Rollout
- Complete Migration







Collaboration Transitions

Webex Migrations

Customer Readiness

Migration Tools

## Webex Migration Tools

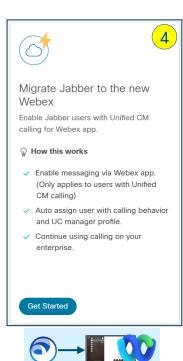


- "Migration service/tools"
- <sup>1</sup> Not required if Directory Sync is deployed
- <sup>2</sup> Requires CCUC



Import/Sync Users<sup>1</sup> &

**Personal Contacts** 

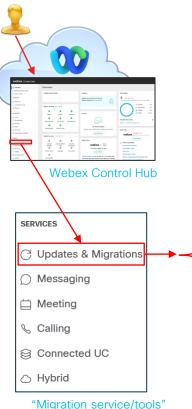


Migrate Jabber→WxA2 (Calling: Stay on UCM, Messaging: IMP→Wbx)

## Use these tools for any migration journey

- Help with planning
- Import CUCM users<sup>1</sup>/ Org Contacts Sync CUCM Users<sup>1</sup>/ Org Contacts (Q3CY22)
- Migrate Jabber users' contacts
- Migrate Jabber users to Webex App with UCM Calling

## Webex Migration Tools







## Use these tools for any migration journey

- Migrate users to Webex Calling
- 6 Migrate IP Phone firmware



Migrate IP Phone FW (Enterprise to MPP for WxC)

Migrate Jabber→WxA (Calling: UCM→WxC.

Migrate UCM+IMP→WxC/Wbx

(Users, Groups, Lines, Numbers,

Devices. Workspaces)

Messaging: IMP→Wbx)

## End-user Contact Migration Options



#### End-user driven migration (Admin enables for users)

• Users migrates their Jabber contacts and common user preferences to the Webex App

#### Contacts:

- Directory Contacts
- Custom Contacts and photos
- XMPP Federated Contacts

#### Preferences:

- Chat notification settings (including mute all)
- Call notification settings (including mute all)
- Audio device and video device selection (except for VDI)
- Video preferences for incoming calls (start with video or no video)

Configure Users to Move Jabber Contacts and Common Settings to Webex Jabber | Move Contacts and Common Settings to Webex

#### 2. Admin driven migration

- Admin migrates users' Jabber contacts to the Webex App using Control Hub tools
- Common user preferences are NOT migrated

Migrate Personal Contacts to Webex

## Org Contact Migration

### Manage enterprise contacts (Admin)

- Webex Admin can manage (add/modify/delete) organizational contacts
- All users can search for and call these contacts (e.g. HR, IT Support)

Manage organization contacts in Control Hub

## Migration Tools Considerations

- 1. Looking for Jabber and Webex App usage insights and indications of migration progress?
  - Yes Deploy Jabber Telemetry & CCUC
- 2. Is Director Connector or SCIM deployed to sync users to Control Hub?
  - Yes -User/Contact Synchronization tool is not required
- 3. Is CCUC deployed or being deployed?
  - Yes Provides insights to on-prem usage throughout the migration. Required to use the 'Migrate Jabber to Webex' tool
- 4. Flash migration (everyone moves at one time) or phased migration (multiple migrations with groups of users)?
  - Phased migration Consider using the 'Migrate Jabber to Webex' tool to configure groups of users during each migration window (requires CCUC)
- 5. Is the end-user initiating the migration or will the admin push out the Webx App to users?
  - End-user driven Use Jabber XML file/process to migrate the user's Jabber contacts and preferences
  - Admin driven Admin uses 'Migrate Personal Contacts to Webex App' tool to migrate user's Jabber contacts. User must set/configure their own preferences in the Webex App.







Collaboration Transitions

Webex Migrations

## References

## Webex Migrations References (1 of 3)

#### Collaboration Transitions - Home Page

 Collaboration Transitions Program Page https://www.cisco.com/go/ct

#### Collaboration Transitions - Migration Readiness

- Customer Journeys & Readiness
   https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/Jabber\_to\_WebexApp\_Migration-Customer\_Journeys\_Readiness\_v1-0.pdf
- Customer Readiness Assessment
   <a href="https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/Jabber\_to\_WebexApp\_Migration-Customer\_Readiness\_Assessment.xlsx">https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/Jabber\_to\_WebexApp\_Migration-Customer\_Readiness\_Assessment.xlsx</a>

## Collaboration Transitions - Webex App

- Transition Map for Transitioning from Jabber to Webex <a href="https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/TDM\_CLIENTS\_Jabber\_to\_Webex.pdf">https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/TDM\_CLIENTS\_Jabber\_to\_Webex.pdf</a>
- Transition Deployment Guide for Transitioning from Jabber to Webex

https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/DEPLO YMENT\_CLIENTS\_Jabber\_to\_Webex.pdf

#### Collaboration Transitions - Meetings

- Transition Map for Transitioning from Jabber to Webex
   <a href="https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/TDM\_MEETINGS\_WebexMeetingsApp\_to\_Webex.pdf">https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/TDM\_MEETINGS\_WebexMeetingsApp\_to\_Webex.pdf</a>
- Transition Deployment Guide for Transitioning from Webex Meetings App to Webex App

https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/DEPLO YMENT\_MEETINGS\_WebexMeetingsApp\_to\_Webex.pdf

## Webex Migrations References (2 of 3)

#### Deployment Guide for Calling in Webex (Unified CM)

https://www.cisco.com/c/en/us/td/docs/voice\_ip\_comm/cloudCollaboration/wbxt/ucmcalling/unified-cm-wbx-teams-deployment-guide.html

#### Jabber Telemetry - Analytics in Control Hub

- Analytics for Your Cloud Collaboration Portfolio (Jabber)
   <a href="https://help.webex.com/en-US/article/n0rlwxe/Analytics-for-Your-Cloud-Collaboration-Portfolio#id\_128902">https://help.webex.com/en-US/article/n0rlwxe/Analytics-for-Your-Cloud-Collaboration-Portfolio#id\_128902</a>
- Feature Configuration

Feature Configuration for Cisco Jabber 12.8

Feature Configuration for Cisco Jabber 12.9

Feature Configuration for Cisco Jabber 14.0

#### Webex Cloud Connected UC (CCUC)

- Webex Cloud Connected UC
   https://help.webex.com/en-US/landing/ld-npxwpmz-WebexCloud-ConnectedUC/Webex-Cloud-Connected-UC
- Plan Your Jabber Migration to Webex App
   https://help.webex.com/en-US/article/ef0kxs/Plan-Your-Jabber-Migration-to-Webex-app
- Migrate Users to Webex
   https://help.webex.com/en-us/poeuubb/Migrate-Users-or-Contacts-to-Webex
- Migrate Jabber Users with Cloud-Connected UC to Webex App

https://help.webex.com/en-US/article/nejw7ue/Migrate-Jabber-Users-with-Cloud-Connected-UC-to-Webex-app

- Migrate Personal Contacts to Webex
   <a href="https://help.webex.com/en-us/article/naoxf7u/Migrate-Personal-Contacts-to-Webex">https://help.webex.com/en-us/article/naoxf7u/Migrate-Personal-Contacts-to-Webex</a>
- Analytics for Your Webex Cloud-Connected UC
   https://help.webex.com/en-us/article/ntm7wvk/Analytics-for-Your-Webex-Cloud-Connected-UC

## References (3 of 3)



#### Collaboration Transitions - Webex Calling

 Transition Map for Transitioning from UCM On-Premise to Webex Calling

https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/TDM\_CALLING\_Unified\_CM\_to\_Webex\_Calling.pdf

 Transition Deployment Guide for Transitioning from UCM On-Premise to Webex Calling

https://www.cisco.com/c/dam/en/us/td/docs/solutions/PA/mcp/DEPLO YMENT\_CALLING\_Unified\_CM\_to\_Webex\_Calling.pdf



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