Let's go cisco live! #CiscoLive



Update Webex meeting site management From: Site admin (SA) To: Control hub (CH)

Ramesh Bodapati, Product Manager rambodap@cisco.com

BRKCOL-2006



Cisco Webex App

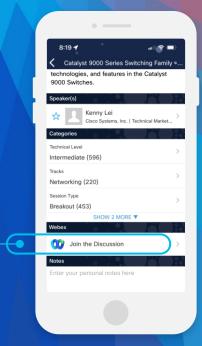
Questions?

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 9, 2023.



https://ciscolive.ciscoevents.com/ciscolivebot/#BRKCOL-2006



Agenda

- Control Hub as single pane of glass
- Benefits of updating administration to Control Hub
- Differences between Site Admin & Control Hub managed sites
- APIs
- How to convert/update site
- Cisco initiated automated site update
- Demo & Help docs



Unifying all Meeting sites management in Control Hub (CH)



Control Hub links management for meetings

Analytics for all sites in Control Hub

Cross-launch Site Admin (SA) for linked sites

Webex sites and users linked to Control Hub



Provision all new sites on Control Hub

Current state

Admins manage all new sites from Control Hub



Control Hub to manage all Webex sites & services

Update/convert Sites to Control hub Management

Admin manages ALL sites from Control Hub



Benefits of managing sites and users in Control Hub

Unified way of managing users across all Webex services (Messaging, Calling, Meetings)

One place to manage users (create, delete, etc)

One place to assign licenses

One place to deactivate users across Webex services

Common login for end users for all Webex Services

Control Hub is a Single Pane of Glass for Webex services

Manage all Webex services in one portal (less swivel chair)

Consistent security policies across all Webex Services

Webex Webinars with more than 3000 participants (if purchased).

Webinars limited to 3000 on Site Admin sites

Modern admin controls like directory connector, SCIM, AD groups and more

License template for ORG and Groups



End User login experience after site is updated to CH

ALL sites managed in Control Hub, in addition to Webex App will have the same login (credentials)/authentication

Email address used for login (not username)

Login for non SSO ORGs

User login is governed by local IdP (Webex Identity)

Users can reset their own password via "forgot password" link

BUT, Users with a Site Admin site as primarylinkedtrainsite are sent to that site for login

Login for SSO Orgs

If Site Admin site was SSO & Control Hub is also SSO then Users and admin will see no change (if same IdP)

If Site Admin was not SSO but linked CH Org is SSO enabled then login will be via SSO IdP**

**See next slide on New Multi-IDP feature



Recommendations for SSO sites and sites in SSO orgs Leverage new multi-IDP capability

Webex IdP = local (Control Hub) user authentication

multiple IDP's in Control Hub orgs will help:

- when some users in the ORG & site are not the SSO IDP configured in the ORG
- where the IDP for an SSO site in Site admin is different than the SSO IDP of CH Org

GOAL: Ensure ALL users on the site being updated can login via authentication configured in Control Hub org. To accomplish that you may need to

- add additional SSO IDPs to the Control Hub org
- add users to an already configured IDP
- add users to the local Webex IDP
- configure routing rules that decide which IDP users get directed to
 - (routing can be based on email domain or groups).
 - help doc for multiple IDPs in Control Hub org

User creation & management in Control Hub

What	How
Add users to ORG	One user at a time via Control Hub Portal bulk via CSV Rest People API (today), SCIM API (new) Directory Connector, Azure
License users: Host (or Attendee)	automatically via auto license template one user at a time via Control Hub Portal bulk via CSV via /license API (new /v1/license-assignment)
Modify Meeting site attributes for users (session types, tracking codes)	one user at a time via Control Hub Portal Bulk update via Site CSV file; update tracking codes via CH org users CSV file for sites that have mapped to user attributes Rest API: /v1/sessionTypes & /v1/trackingCodes

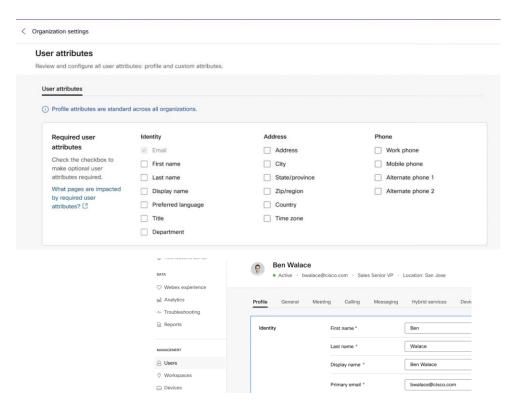


Password management

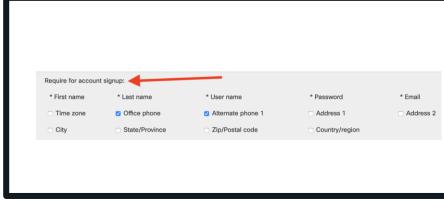
Site Admin feature	Control Hub (sites)
Password lockout after N attempts	Smart lockout (Built in delay & captcha after repeated attempts)
Admin control to initialize passwords, reset passwords, force change of passwords or dealing with forgotten passwords	Password is directly controlled between Users and Webex identity (or by SSO) Admins can force user to reset password via OTP (planned feature)



New: "required" user profile attributes Applies to new users in the ORG



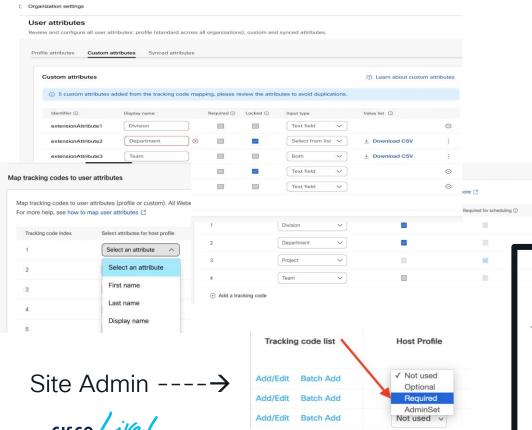
- What
- New user profile fields: Alternate phone numbers, Preferred Language, Time Zone
- Admins can mark user profile fields as 'required' for new users
- Note: user onboarding to ORG without these fields will fail
- Required user fields configuration from site will be copied to Control Hub Org when the site is updated to Control Hub





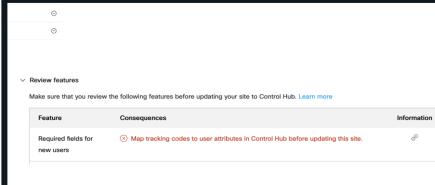
"required" tracking codes in Control Hub enabled by mapping them to (custom) user attributes

#CiscoLive

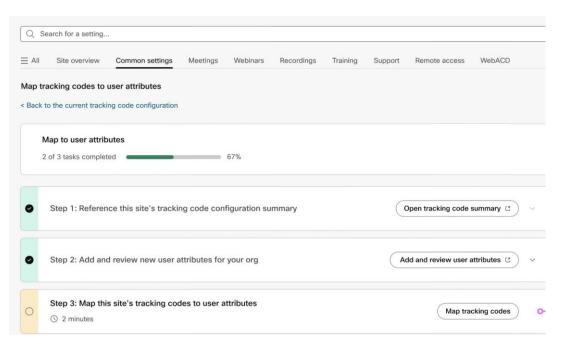


- Admins can define org specific custom user attributes
- Admins can mark custom attributes as "required" for new users. New user onboarding without specifying those fields will fail
- Admins can also mark some fields as locked which means they are not visible or editable by end users.
- Tracking codes can be mapped to user attributes (standard profile or custom attributes & custom Synced attributes)
- Site Admin managed sites with "Required" tracking codes MUST map tracking codes in Control Hub Org

 before the site can be updated to Control Hub



Wizard to map site's tracking codes to CH user attributes



- Step 1 open current Tracking code configuration and download for reference
- Step 2 review add/update custom user attributes for ORG to accommodate this site's tracking codes
- Step 3 Map tracking codes for site to desired user attributes (profile or custom or synchronized) attributes

AND

initiate one-time SYNC of attribute data

Help doc: https://cisco.com/go/custom-attributes



Data Sync for sites that map tracking codes to user attributes

- There is a one time data sync from Webex Meeting Site to mapped CH user attributes
 - No data copy from site to CH user attribute if the CH user already has a value OR if that attribute is externally synced (Dir-sync, etc.)
- Data sync started during site update to CH (for CH Sites: administrator starts data sync)
 - notification in CH alerts center when sync is completed
- After one-time data-sync all tracking code values for site will come from CH user attributes

User	Tracking code value before sync	Value for mapped attribute before sync	Value for mapped attribute after sync	Tracking code value after sync
Bob	None	None	None	None
Jane	None	London	London	London
Richard	Galway	None	Galway	Galway
Samantha	Dallas*	San Jose	San Jose	<mark>San Jose</mark>
Tom	New York	None	New York	New York
Debra	Boston*	Austin	Austin	<mark>Austin</mark>



Features not available in Control Hub

What (site attributes)

Basic license for Hosts in External Orgs

De-activate or upgrade users to full license.
See "users-to-review" CSV file for these users from "Review users" section of wizard External users with Standard/Full license are OK

Edit User

Account Information

License type: | Basic | © Full |



APIs for user management on meeting sites



XML API admin Authentication after site conversion

Authentication in XML API on SA site (BEFORE site conversion)	Admin in SSO ORG (after site conversion)	Admin not in SSO Org(after site conversion)
username (webExID)/password	Will work ⁽¹⁾	Will work ⁽¹⁾
username (webExID)/sessionTicket	Will work	Will work
username/OAUTH (webExAccessToken)	Will work	Will work
email/password	Will work ⁽¹⁾	Will work ⁽¹⁾
email/sessionTicket	Will work	Will work
email/OAUTH (webExAccessToken)	Will work	Will work

¹[backward compatibility] Cisco has enabled username/password authentications to work in XML APIs after site update to CH even if username does not match email

credentials used for API authentication cannot have a different password for user in CH org

Username, when used in API payloads, must match email after the site is converted.



Roadmap for evolving user management from XML API

Operation	XML API ¹	Recommended Rest API
Basic user creation in org & updates - CRUD	Createuser/setuser/deluser	/v1/scim2-user (industry standard)¹ (coming soon) Only applies for users in orgs you manage (not for users external orgs)
Assign/update licenses to users	Createuser/setuser	/v1/license-assignment (coming soon) Works for external (outside the org) users too
Manage groups & memberships	N/A	/Groups (available now)
Assign Site Admin Roles	Createuser/setuser	via Control Hub UI (available now) - not by API
Configuring session types or tracking codes for users	Createuser/setuser	/v1/sessionTypes & /v1/trackingCodes Works for users in external (outside the org) too

- People API is not recommended for new developments for features where alternative APIs are released (e.g.: create users via /v1/scim2-user & license users via /v1/license-assignment, etc.)
 - New user management enhancements such as custom user attributes will not be available in People API



Transitioning User Management XML API integrations to REST APIs

- XML APIs will be retired (<u>dates vary</u>)
 - See XML API to Rest API migration guide
- XML APIs <u>user management</u> (setuser, createuser, deluser) are now compatible with CH sites too
 So, most API integrations will work after conversion from SA to CH (without any changes)
- Recommendation 1: If your XML API integration for user management has NOT transitioned to REST APIs THEN update to New APIs: <u>v1/scim2-user</u> (when avail) and <u>/v1/license-assignment</u> (when avail)
- Recommendation 2: Integrations using People API for user management will also need to evolve to new APIs v1/scim2-user and /v1/license-assignment



Steps to Update Administration



Prepare your CH Org before updating Site

- Review Control Hub eBook: https://ebooks.cisco.com/story/controlhubessentials
- Review "Prepare your Control Hub Organization" in site update help doc
 - No pending actions on the subscription associated with the site that you're updating
 - · Verify domains
 - Claim all users who should be in your org
 - · Claiming users after updating the site to CH management could result in host's loss of access to recordings/meetings
 - Workaround
 - Remove meeting site license, claim the user to your organization, and then re-license that user to the site.
 - remove the meeting site license
 - Claim User
 - re-license that user to the site
 - For users with external admin privileges to the organization or site: FIRST Remove all external admin access to the organization
 - Setup license templates for users (can be based on groups too)



No downtime, No impact to meetings & recordings & No changes to site configuration

During site update:

- Meeting service continues to be available
- Scheduled & ad-hoc meetings continue to be available
- Meetings in progress continue (no impact)
- Users can join meetings, start meetings
 - But, Meetings desktop client may have issues with listing "upcoming meetings"
- changes to site management configuration are not recommended

After updating site administration

- current and scheduled meetings (and meet now) will continue to work.
- recordings of past meetings will be accessible
- site configurations (and user site settings such as session types) are NOT changed but, some feature differences are called out in help doc
- login governed by Control Hub Org (Webex identity or SSO)



Users CSV files related to site conversion

- In Site Admin export "users-to-review" CSV file in update administration wizard
 - lists users that need attention.



- Recommended action column for each user
 - Basic license Hosts in external orgs need to be deactivated or given full license
 - inconsistent email between CH & SA
 - •
- If recommended action is not taken then update could fail AFTER site update is triggered.

- Users CSV file in Control Hub after site update
 - Site Conversion

 Conversion Status

 Success

 Initiated By

 Abc@xyz.com

 Export Users

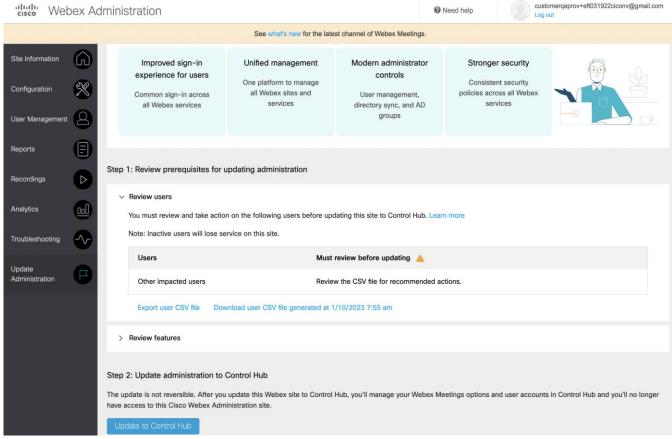
 Download
- Lists all users from SA site (inactive SA users are listed in the file but not converted to CH site)
- File available for 90 days only

Update to Control Hub from Site Admin

CSV user export file will list users with recommended action (e.g., deactivate user)

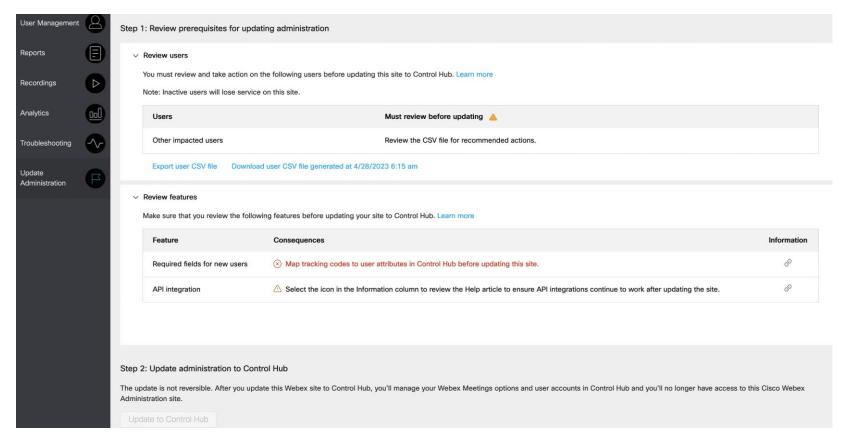
Tool does **not** validate if recommended action on users was taken before site update is triggered

If users issues were not resolved the update could fail

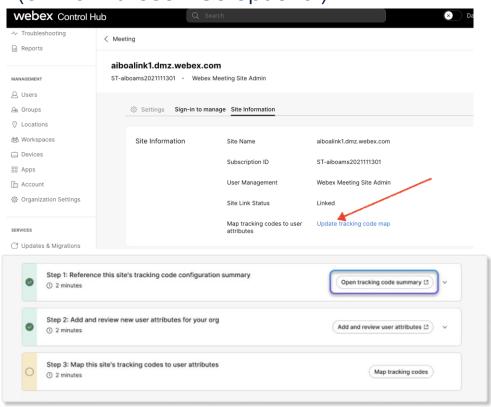


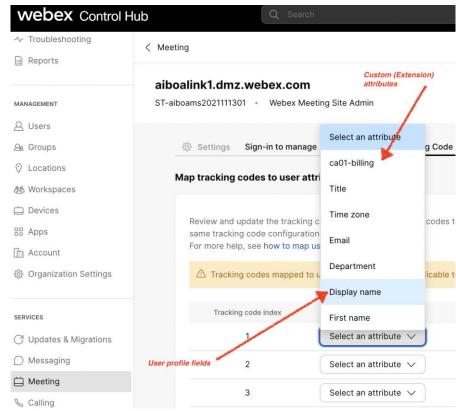


- Sites with 'required' user attribute fields for onboarding users: (in Beta) required fields will be copied from Site to the Control Hub org during update (OR uncheck fields 'required for account signup')
- Sites with 'Required' tracking codes (in Beta): configure tracking code map in CH org before updating site –
 as shown in this screenshot (OR make them optional)



Sites with 'required' tracking codes can map tracking codes to user attributes in Control Hub before updating the site (in Beta) (or mark those TCs optional)







Click "Update to Control Hub" button and then hit OK in pop-up

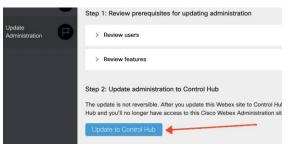
How long does this update take?

3 min + 1000 active users/min
+ 2000 inactive users/min

Paused at top of hour for 6 minutes during Business hours (xx:57 to yy:03)

Update status or error is shown in SA home screen

After successful updating, admin login to CH or get redirected from site url

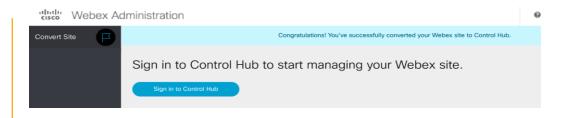


The update is not reversible. When you start the update, the following changes will occur:

- You'll manage your Webex Meetings options and users from Control Hub and you'll no longer have access to this Webex Administration site.
- Deactivated (inactive) users will lose their services on this site.
- 3. The impacted features listed in the prerequisites will be disabled.
- 4. Don't edit users or add users during site update.







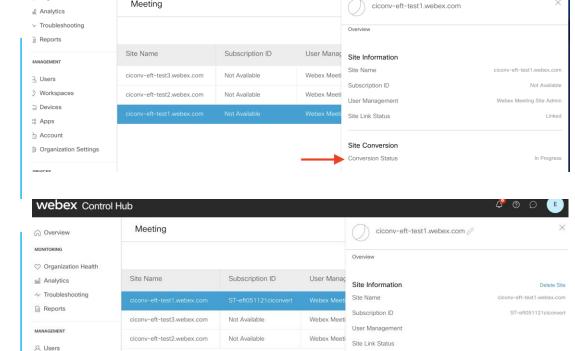


CH shows status of update

CSV file of all users on SA site is available in CH after site is converted (for 90 days)

Shows users whose status was active and inactive on SA site

Users deactivated in SA will not have access to CH site





WorkspacesDevices

SS Apps

Account

Organization Settings

webex Control Hub

2 Organization Health

Audio Type

Site Conversion

Conversion Status

Export Users ①

Webex Audio

Success

Download

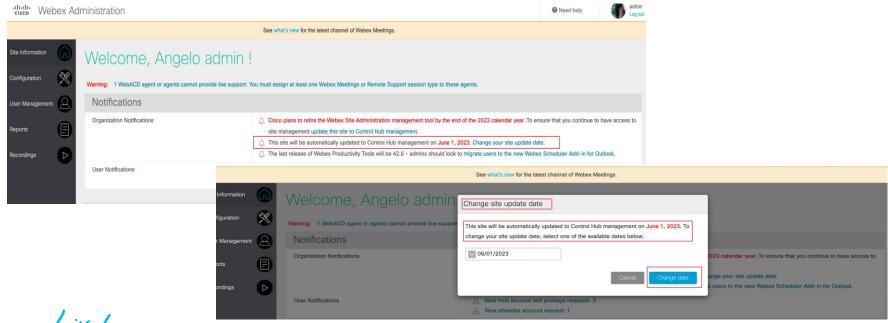
₽ ⊘ ⊃

Cisco initiated automated site update



Automatic site update by Cisco

- Cisco updated thousands of sites to CH (with prior notification to administrators)
- IF your site has been selected for automated site update to CH you will be notified in Site Admin and you can change the date of update to a later date in 2023



Suggested steps before and after site conversion



Checklist (before site conversion is triggered)

- Recommendation (not mandatory)
- Verify & claim your email domains in control hub Org.
- Review & follow recommended best practices for control hub orgs
- Ensure all users from your company are in your control hub org
- Configure IdPs, including Webex IdP, so that all users on site can login



- In SA, activate user linking to Control Hub for the site
- Verify "Update Administration" tab is visible in site administration tool
 - · If not visible then request Cisco activate update administration option for that site



- Export and save users CSV export on site for backup/archive
- Ensure user emails in Control Hub match Site Admin (if SA email was changed since user was linked)
- Execute steps in the "site readiness assessment" portion of the site update help doc



Validation after successful update (validation) some steps require capture of reference data before site update

- In CH, download users file from conversion section for that meeting site For archival and to check which users were (in)active in SA
- Verify site configuration is unmodified (spot check couple of settings)
- Pick a host & verify: license in CH, session types, tracking codes, scheduled meetings, meeting recordings & host can schedule & host new meetings.
- Add a new user to org or select user who is not a host, give them host license, modify their session types & verify they can host meetings
- Pick a full admin from SA & verify they have read/write administrative privileges on CH site
- If the site has API integrations confirm the integrations are working on the CH site

Demo & help docs



Demo

Live demo of update of site management from Site Admin to Control Hub



Callout for participation in Beta

- Admin-defined Custom User Attributes & Required User Attributes
- Map Webex site tracking codes to User Attributes in Control Hub

Both have been posted on our Beta platform at gobeta.webex.com



Resources

Site readiness assessment Differences to expect in Control Hub Prepare your Control Hub organization APIs for user management Disable Site Administration features that block updating administration to Control Hub Review Site Admin users that could block site update Update a Meetings site to be managed in Control Hub Validating site management from Control Hub End user sign in changes after updating site to Control Hub Known issues Frequently asked questions

Site Update help doc

https://help.webex.com/en-us/de

Differences between SA & CH sites:

https://help.webex.com/en-us/dyg3lz/Differences-Between-Site-Administration-and-Control-Hub-Managed-Webex-Sites

Password management in control Hub:

https://help.webex.com/en-us/article/5tsd9g/Password-Management-in-Control-Hub

Custom Attributes including mapping tracking codes to user attributes

https://cisco.com/go/custom-attributes

XML API to Rest API migration guide

https://developer.cisco.com/docs/webex-meetings/#xml-to-rest-migration-guide

Multi-IDPs in CH Org

https://help.webex.com/en-us/article/ngp4sr8/SSO-with-multiple-IdPs-in-Webex



Fill out your session surveys!



Attendees who fill out a minimum of four session surveys and the overall event survey will get **Cisco Live-branded socks** (while supplies last)!



Attendees will also earn 100 points in the **Cisco Live Challenge** for every survey completed.



These points help you get on the leaderboard and increase your chances of winning daily and grand prizes



Continue your education

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



Thank you



Cisco Live Challenge

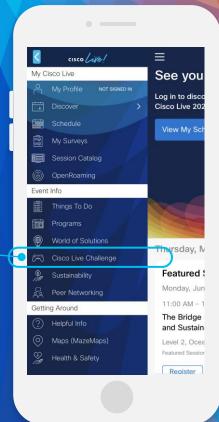
Gamify your Cisco Live experience! Get points for attending this session!

How:

- 1 Open the Cisco Events App.
- 2 Click on 'Cisco Live Challenge' in the side menu.
- 3 Click on View Your Badges at the top.
- 4 Click the + at the bottom of the screen and scan the QR code:







Let's go cisco live! #CiscoLive