



Migrate Cisco Spark Hybrid Call Service Organization to the Cisco Webex Domain

First Published: 2018-08-02 **Last Modified:** 2020-12-09

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CONTENTS

CHAPTER 1 Overview 1

Overview 1

High-Level Scope 2

SIP Routing Changes 2

Deployment Assumptions 4

Shared Traversal Expressway Pair 4

Webex Zone 5

CHAPTER 2 Migrate Your Organization 7

Migrate Hybrid Call Service to Webex SIP Addresses Task Flow 7

Create a New SIP Route Pattern on Unified CM Clusters 9

Create New Outbound Search Rules on Expressway-C Clusters 9

Create New Webex Zones on Expressway-E Clusters 11

Create Search Rules Between Traversal Server Zone and Webex Zone 12

Add CPL Rule on Expressway-E 13

Migrate Users and Devices in Workspaces to Webex SIP Addresses 14

CHAPTER 3 Troubleshoot the Migration 19

Troubleshoot a Failed Migration 19

Questions 20

Contents



CHAPTER

Overview

- Overview, on page 1
- High-Level Scope, on page 2
- SIP Routing Changes, on page 2
- Deployment Assumptions, on page 4
- Shared Traversal Expressway Pair, on page 4
- Webex Zone, on page 5

Overview



Caution

Starting December 30, 2020, Hybrid Call Service for end users will be End of Support (EoS) for all customers. See the EoS announcement for more information.

Going forward, customers must configure the Webex Teams app to register directly to Cisco Unified Communications Manager (Unified CM) for enterprise calling capabilities for their users. Hybrid Call for devices will continue to work but must be migrated to the Device Connector solution.

Calling in Webex Teams (Unified CM) for users closely follows familiar Jabber deployment models where Webex Teams registers directly to Unified CM as a soft phone. No extra Expressway connector infrastructure nor firewall traversal capacity is required beyond what is needed for remote access (MRA).

This document describes only the changes you need to make to your existing Hybrid Calling deployment so that the SIP addresses migrate successfully to the Webex domain. The guide contains configuration steps that are required in your on-premises environment (Expressway pair, Unified CM) and required cloud or intermediary configuration (Control Hub, Expressway connector host) to complete the SIP address migration for Webex users and cloud-registered Webex video devices (Room, Desk, and Board devices) in a Workspace.



Note

This guide is only for customers that have already deployed Hybrid Calling in their organization. If you're a new deployment, you can only do Hybrid Calling for devices in a Workspace; follow the deployment guide and ignore this document.

The information here is only relevant while existing Hybrid Calling customers need to change from Spark-branded call routing to Webex-branded routing. The deployment guide is the more permanent and more frequently updated material, so cross-references from this document may become irrelevant.

High-Level Scope

- The application names and the service names have changed; all the "Cisco Spark" branded products and services changed to the "Cisco Webex" brand . See https://www.webex.com/.
- To be aligned with the change to Webex branding, the SIP calling domains are changing:

Table 1: Changes to SIP Calling Domains

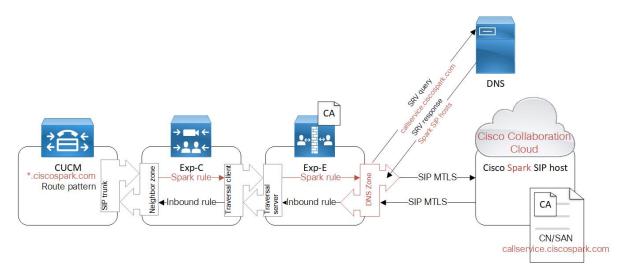
Purpose	Current Value	Rebranded	
SIP routing domain	callservice.ciscospark.com	callservice.webex.com	
SIP TLS Authentication domain for Hybrid Call Service (CN entries on cloud hosts certificates)	callservice.ciscospark.com	sip.webex.com	
Calls to and from Webex users	*.call.ciscospark.com	*.calls.webex.com	
Calls to and from devices in a Workspace (Room, Desk, and Board devices) enabled for Hybrid Call Service	*.room.ciscospark.com	*.rooms.webex.com	
Hybrid calls to spaces (in Webex)	*.meet.ciscospark.com	*.meetup.webex.com	
General SIP Calls to Webex—for example, for Hybrid Collaboration Meeting Rooms or on-net audio	*.webex.com	*.webex.com (no change)	
SIP TLS Authentication domain for general calls to Webex (name on cloud hosts' certificates)	sip.webex.com	sip.webex.com (no change)	

- Version X8.11 of the Expressway-E introduced a new type of DNS zone that copes with all Webex calling traffic from your premises; that is, calls to WebEx Hybrid Collaboration Meeting Rooms (CMRs) and calls to Cisco Spark—all through the same DNS zone.
- This document describes how to reconfigure your on-premises components to adapt and puts those changes in the context of the migration. Remember to read just the one, relevant Expressway section.

SIP Routing Changes

Hybrid Calling routes calls between your on-premises Unified Communications Manager and the Cisco Webex cloud (formerly Cisco Collaboration Cloud). The related SIP addresses for Cisco Webex are changing from the Cisco Spark brand to the Webex brand, so we're going to create new routing from your on-premises infrastructure toward the new addresses.

Figure 1: Your Hybrid Calling Routing (Before Migration)



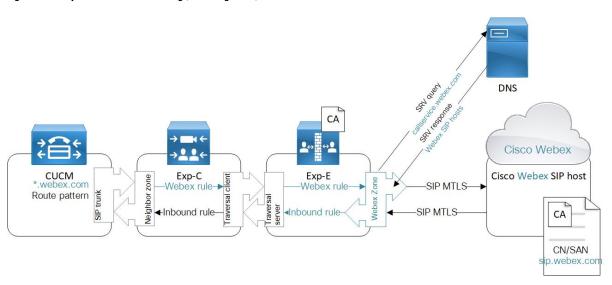
This diagram shows only the relevant configuration that is required from the Hybrid Calling deployment. We are concerned with the call routing configuration, specifically the items highlighted in red which are affected by the rebrand.

From left to right, calls originating from your Unified Communications Managers are trunked to Expressway-Cs, traversed out through Expressway-Es, and terminated on the Cisco Collaboration Cloud SIP service.

From right to left, calls originating from the cloud SIP service are routed to Expressway-Es, traversed in through Expressway-Cs, and trunked (neighbored) to Unified Communications Manager.

We're going to create the new routing alongside this existing routing to avoid disrupting service.

Figure 2: You Hybrid Call Service Routing (After Migration)



Items highlighted in blue are results of migration, including changes made by Cisco.

Deployment Assumptions

- This document assumes you already deployed Hybrid Call Service for your organization and followed the Deployment Guide for Hybrid Call Service.
- We assume that you can access the required systems, and recommend that you perform these migration steps during a maintenance window or after typical work hours.
- The tasks here assume that Hybrid Call Service uses a dedicated Expressway traversal pair for call routing. If your Expressway traversal pair is shared with other services, you can still follow this advice to migrate Hybrid Call Service, but you should take more care with your Expressway-E search rules and DNS zone configuration. Read *Shared Expressway Traversal Pair* in this document.
- If on an earlier release, you must upgrade your traversal pair to Expressway X8.11.4 (or later) before you start the routing changes; the tasks are much simpler with those versions and this is a required change to remain on a supported deployment model.
- If your on-premises systems have configuration not mentioned here, you can assume that configuration is not affected.

Shared Traversal Expressway Pair

Apart from this topic, all the information that is presented in this document assumes that you are using a *dedicated* Expressway pair for Hybrid Call Service traversal. We did not want to make the document unnecessarily complex.

You could be using your traversal pair to route calls for business to business calls, for example, or for Cisco Webex Meetings (formerly CMR Hybrid), or Webex Edge Audio (previously On-Net Audio). These kinds of deployments also require DNS zones and the search rules to route outwards toward those zones.

Also, several different "Cisco cloud" deployments now share the Cisco Webex brand, although technically there are still different cloud hosts listening for the call signalling.

If you are sharing your traversal pair with other deployments, here are some things to consider while you are performing your Call Service migration:

- You may already have one or more *.webex.com route patterns through the Expressway pair. For X8.11.4 and later (the minimum supported release for Hybrid Calling), you can route those and the Hybrid Calling patterns through the one Webex Zone on your Expressway-E clusters. That zone takes care of the routing to the correct cloud addresses.
- If you have or more *.webex.com route patterns through the Expressway pair, and are *not on X8.11.4* (or later), we recommend that you upgrade as soon as possible. That is because earlier releases do not have the Webex Zone. Also, you must ensure you're on the minimum supported release to continue to receive support for Hybrid Calling.
- One route pattern for *.webex.com on Cisco Unified CM clusters should suffice.
- When cleaning up the old Hybrid Calling routing rules, take extra care not to delete any of your adjacent configuration.

Related Topics

- For "CMR Hybrid" (hybrid Collaboration Meeting Rooms). See "Create a New DNS Zone" in the CMR Hybrid configuration guide.
- For "B2B" (business to business calling); see "Configuring the DNS Zone" in the Expressway basic configuration deployment guide.
- For Webex Edge Audio, see the Cisco Webex Edge Audio Customer Configuration Guide.
- For deployments that include Video Mesh nodes to keep meeting media on-premises, see the Deployment Guide for Cisco Webex Video Mesh.

Webex Zone

The Webex Zone not only automates and simplifies Hybrid Calling configuration, but it is also a single zone entry that ensures that all calling and meetings solutions under the Webex banner precisely route to the correct cloud microservices and are handled accordingly.

The decision-making for call routing and protocols is offloaded from the Expressway itself (manual configuration by you, the admin) onto DNS (automated configuration, managed by Cisco). The decisions are made by a Name Authority Pointer (NAPTR) DNS record that is able to pinpoint call and meeting paths that are then advertised to the DNS SRV record. For example:

```
;; ANSWER SECTION:
example.call.ciscospark.com. 300 INNAPTR 50 50 "S" "SIPS+D2T" ""
_sips._tcp.call.ciscospark.com.
example.call.ciscospark.com. 300 INNAPTR 30 50 "S" "SIPSM+D2T" ""
sips. tcp.callservice.ciscospark.com.
```

The two entries in ANSWER SECTION determine the SRV lookup that gets advertised back to the Expressway-E. The Expressway-E then does the SRV lookup as usual.

All of this happens behind the scenes, and all you have to do is create the Webex Zone on Expressway with preconfigured settings; no further zones-per-service are required. A further benefit is that you future-proof your deployment as more services are added to our Webex cloud and more complex routing decisions need to be made.

Webex Zone



Migrate Your Organization

• Migrate Hybrid Call Service to Webex SIP Addresses Task Flow, on page 7

Migrate Hybrid Call Service to Webex SIP Addresses Task Flow

Follow these tasks to migrate your Hybrid Call Service organization to SIP addresses that use the Webex domain. The tasks walk you through the necessary configuration on your premises (Expressway pair and Unified CM) and the cloud and intermediary side (Control Hub, Expressway connector host) and how to verify that the migration is successful.



Note

If you don't have Hybrid Call Service, that means you have a cloud organization. You can ignore this document and use the steps in Change Your Webex SIP Address instead.

Before you begin

Make sure your Expressways and Unified CMs are on a supported release, as documented in the Requirements for Hybrid Call Service in the deployment guide. For example, this task flow assumes a minimum of X8.11.4 or later for the Expressway traversal pair.

Procedure

	Command or Action	Purpose
Step 1	Create a New SIP Route Pattern on Unified CM Clusters, on page 9	This migration task assumes you followed the deployment steps in Configure Cisco Unified Communications Manager Settings for Hybrid Call Service. You'll create a new SIP route pattern for the new routing domain for Cisco Webex. You must keep the existing SIP route pattern for *.ciscospark.com.
Step 2	Create New Outbound Search Rules on Expressway-C Clusters, on page 9	This migration task assumes that you followed the deployment steps in Configure the Expressway-C for Hybrid Call Service. In this context, outbound means from your premises towards Cisco Webex.

	Command or Action	Purpose
		You could be using one or more Expressway-C clusters with Hybrid Call Service. Each of those could be connected to one or more Unified CM clusters. Each Expressway-C cluster has a neighbor zone to each associated Unified CM cluster. Each Expressway-C cluster has a traversal zones relationship with a corresponding Expressway-E cluster.
Step 3	Create New Webex Zones on Expressway-E Clusters, on page 11	You have one or more Expressway-E clusters in your Hybrid Call Service deployment. Each of them has a DNS zone, configured to look up the Cisco Spark SIP hosts based on the pattern *.ciscospark.com. We're going to create a new Webex zone, adjacent to the existing DNS zone, on each Expressway-E cluster.
Step 4	Create Search Rules Between Traversal Server Zone and Webex Zone, on page 12	This migration task assumes you followed the deployment steps in Create Inbound and Outbound Search Rules in the deployment guide. Search rules define how the Expressway routes calls (to destination zones) in specific call scenarios. When a search rule is matched, the destination alias can be modified according to the conditions defined in the search rule. Add these new search rules on Expressway-E to:
		Prioritize the Webex domain routing over the Spark routing.
		Identify calls from the Cisco Webex cloud and route down the traversal zone to Expressway-C.
		• Identify calls from Cisco Unified Communications Manager and route through the Webex Zone to Cisco Webex.
Step 5	Add CPL Rule on Expressway-E, on page 13	This migration task assumes you followed the deployment steps in Configure Call Processing Language Rules on Expressway-E. This task applies to your Hybrid Call Service deployment if you have an existing CPL (Call Processing Language) rule on Expressway-E, to protect your traversal pair from toll fraud.
		We will add a rule because the new domain is another potential source of fraudulent call attempts.
Step 6	Migrate Users and Devices in Workspaces to Webex SIP Addresses, on page 14	After you finish the appropriate on-premises configuration steps, complete the Hybrid Call Service steps in Cisco Webex Control Hub (https://admin.webex.com) and the Call Connector. You'll perform steps to bring over all of your users and workspaces to the Webex-branded SIP addresses and mirror this configuration as the new remote destination on the Cisco Spark-RDs in Unified CM.

Create a New SIP Route Pattern on Unified CM Clusters

This migration task assumes you followed the deployment steps in Configure Cisco Unified Communications Manager Settings for Hybrid Call Service. You'll create a new SIP route pattern for the new routing domain for Cisco Webex. You must keep the existing SIP route pattern for *.ciscospark.com.

Step 1 For each Unified CM cluster in your Hybrid Call Service deployment, sign in to the publisher node, and from Cisco Unified CM Administration, go to **Call Routing** > **SIP Route Pattern**, and then create a new route pattern with the following settings:

Field Name	Value
IPv4 Pattern	*.webex.com
Pattern Usage	Domain Routing
Description	Routing to Cisco Webex
SIP Trunk/Route List	Choose the trunk you created for Hybrid Call Service—Hybrid_Calling_SIP_Trunk (for example)

Step 2 Save your changes.

You now have at least two route patterns from each Unified CM cluster that both route on the same trunk to an Expressway-C cluster. The patterns are *.ciscospark.com and *.webex.com. Leave the *.ciscospark.com route pattern in place until we (Cisco) officially announce its removal.

Create New Outbound Search Rules on Expressway-C Clusters

This migration task assumes that you followed the deployment steps in Configure the Expressway-C for Hybrid Call Service. In this context, outbound means from your premises towards Cisco Webex.

You could be using one or more Expressway-C clusters with Hybrid Call Service. Each of those could be connected to one or more Unified CM clusters. Each Expressway-C cluster has a neighbor zone to each associated Unified CM cluster. Each Expressway-C cluster has a traversal zones relationship with a corresponding Expressway-E cluster.

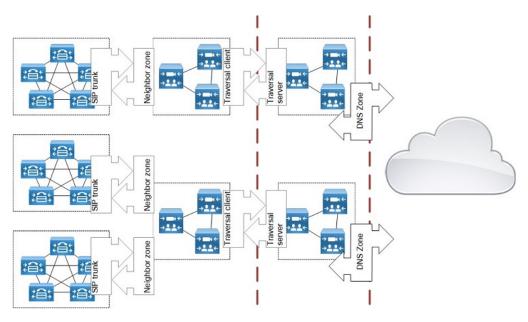
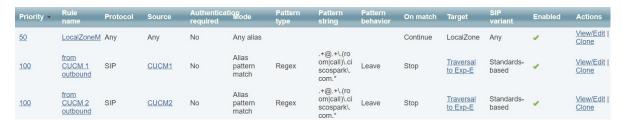


Figure 3: Sample Deployment Showing Multiple Clusters, Trunks, and Zones

There are existing rules on the Expressway-C clusters to route calls from the Unified CM neighbour zones to the traversal client zone. In this task, we're going to clone all those rules and change the pattern on each. So, for each Expressway-C cluster in your Hybrid Call Service deployment:

- **Step 1** Sign in to the primary peer, and go to **Configuration > Dial plan > Search rules**.
- **Step 2** Order the list by the Target column so you can easily find all the rules that point to the traversal client zone.



- **Step 3** For each rule that is sourced from a Unified CM neighbour zone and targets the traversal client zone:
 - a) Click Clone. You get a new create search rule page with details completed as per your original search rule.
 - b) Add the text "NEW PATTERN" or similar to the end of the rule name. This should help you preserve the new rules when you clean up later. Also, you cannot have duplicate rule names.
 - c) Decrease the **Priority** a small amount, for example, by 5.
 This forces the Expressway-Cs to attempt routing the new Webex rules first. If the new routing rules don't work yet, Expressway-Cs will fall back on the original Spark rules.
 - d) Change the **Pattern string** field:

The new pattern matches your new SIP URIs. For example, SIP URIs will change from user@example.call.ciscospark.com to user@example.calls.webex.com, or from workspace@example.room.ciscospark.com to workspace@example.rooms.webex.com.

Note Use the pattern checker (Maintenance > Tools > Check pattern) to test the new pattern you enter against one or more of your new format URIs.

- e) Click Create search rule.
- **Step 4** Repeat until you've cloned all the Hybrid Call Service-related rules on this Expressway-C primary peer.

The Expressway-C search rules list should look something like this when you're finished:

Priority	Rule name 🔻	Protocol	Source	Authentication required	Mode	Pattern type	Pattern string	Pattern behavior	On match	Target
100	from CUCM 1 outbound	SIP	CUCM1	No	Alias pattern match	Regex	.+@.+\.(room call)\.ciscospa rk\.com.*	Leave	Stop	Traversal to Exp-E
95	from CUCM 1 outbound NEW PATTERN	SIP	CUCM1	No	Alias pattern match	Regex	.+@.+\.(calls r ooms meetup) \.webex\.com. *	Leave	Stop	Traversal to Exp-E
100	from CUCM 2 outbound	SIP	CUCM2	No	Alias pattern match	Regex	.+@.+\.(room call)\.ciscospa rk\.com.*	Leave	Stop	Traversal to Exp-E
<u>95</u>	from CUCM 2 outbound NEW PATTERN	SIP	CUCM2	No	Alias pattern match	Regex	.+@.+\.(calls r ooms meetup) \.webex\.com. *	Leave	Stop	Traversal to Exp-E

Step 5 Repeat until you've cloned the Hybrid Call Service-related rules on all Expressway-C primary peers in your deployment.

Create New Webex Zones on Expressway-E Clusters

You have one or more Expressway-E clusters in your Hybrid Call Service deployment. Each of them has a DNS zone, configured to look up the Cisco Spark SIP hosts based on the pattern *.ciscospark.com. We're going to create a new Webex zone, adjacent to the existing DNS zone, on each Expressway-E cluster.

- **Step 1** On each Expressway-E cluster in your Hybrid Call Service deployment, Sign in to the primary peer, and go to **Configuration > Zones > Zones**.
- Step 2 Click New.

You don't need to enter a name for this zone, it is created for you.

- **Step 3** In the **Type** field, select *Webex*.
- Step 4 Click Create zone.

The "Webex Zone" is now in the zones list. The zone settings are fixed. You cannot edit this zone or create any more instances of this type on this Expressway-E primary peer.

Step 5 Repeat on all other Expressway-E primary peers in your Hybrid Call Service deployment.

Create Search Rules Between Traversal Server Zone and Webex Zone

This migration task assumes you followed the deployment steps in Create Inbound and Outbound Search Rules in the deployment guide. Search rules define how the Expressway routes calls (to destination zones) in specific call scenarios. When a search rule is matched, the destination alias can be modified according to the conditions defined in the search rule. Add these new search rules on Expressway-E to:

- Prioritize the Webex domain routing over the Spark routing.
- Identify calls from the Cisco Webex cloud and route down the traversal zone to Expressway-C.
- Identify calls from Cisco Unified Communications Manager and route through the Webex Zone to Cisco Webex.

Step 1 For each Expressway-E cluster in your Hybrid Call Service deployment, sign in to the primary peer, and go to **Configuration > Dial plan > Search rules**.

There should be one rule outbound to the existing, Hybrid Call Service-related DNS zone and one rule inbound from that zone, for example:



- **Step 2** Clone and modify the *outbound* rule as follows:
 - a) Click **Clone** in the same row as the outbound rule. You get a new create search rule page with details completed as per your original search rule.
 - b) Add the text "**NEW PATTERN**" or similar to the end of the rule name.
 - c) Decrease the **Priority** a small amount, for example by 5.

This forces the Expressway-Es to attempt routing the new Webex rules first. If the new routing rules don't work, Expressway-Es will fall back on the original Spark rules.

d) Change the Pattern string field as follows:

From .+@.+\.ciscospark\.com.*

To .+@.+\.(calls|rooms|meetup).webex\.com.*

The new pattern matches your new SIP URIs. For example, SIP URIs will change from user@example.call.ciscospark.com to user@example.calls.webex.com, or from workspace@example.room.ciscospark.com to workspace@example.rooms.webex.com.

Note Use the pattern checker (Maintenance > Tools > Check pattern) to test the new pattern you enter against one or more of your new format URIs.

- e) Leave the **Source name** field set to the traversal server zone.
- f) Change the **Target** field to Webex Zone.
- g) Click Create search rule.
- **Step 3** Clone and modify the *inbound* rule as follows:

- a) Click **Clone** in the same row as the inbound rule. You get a new create search rule page with details completed as per your original search rule.
- b) Add the text "FROM WEBEX ZONE" or similar to the end of the rule name.
- c) Change the **Source name** field to *Webex Zone*.
- d) Leave the **Target** field set to the traversal server zone.
- e) Click Create search rule.

You should now have one inbound rule and one outbound rule for each of the two Hybrid Call Service-related zones. For example:

Priority	Rule name 🔻	Protocol	Source	Authentication required	Mode	Pattern type	Pattern string	Pattern behavior	On match	Target
<u>50</u>	LocalZoneMatcl	Any	Any	No	Any alias				Continue	LocalZone
100	Spark Hybrid inbound calls	SIP	Spark Hybrid DNS Zone	No	Any alias				Stop	Traversal to Exp-C
100	Spark Hybrid inbound calls FROM WEBEX ZONE	SIP	Webex Zone	No	Any alias				Stop	Traversal to Exp-C
100	Spark Hybrid outbound calls	SIP	Traversal to Exp-C	No	Alias pattern match	Regex	.+@.+\.ciscos park\.com.*	Leave	Stop	Spark Hybrid DNS Zone
<u>95</u>	Spark Hybrid outbound calls NEW PATTERN	SIP	Traversal to Exp-C	No	Alias pattern match	Regex	.+@.+\.webex \.com.*	Leave	Stop	Webex Zone

Step 4 If necessary, repeat the procedure on your other Expressway-E clusters.

Add CPL Rule on Expressway-E

This migration task assumes you followed the deployment steps in Configure Call Processing Language Rules on Expressway-E. This task applies to your Hybrid Call Service deployment if you have an existing CPL (Call Processing Language) rule on Expressway-E, to protect your traversal pair from toll fraud.

We will add a rule because the new domain is another potential source of fraudulent call attempts.

Step 1 Sign in to the Expressway-E and go to **Configuration** > **Call Policy** > **Rules**.

There should already be a rule to reject calls from unauthenticated callers whose addresses match

.*@example\.call\.ciscospark\.com.*, where example is your company's subdomain.

Step 2 Click **New** and configure the new rule as follows:

Field	Setting
Source type	From address
Rule applies to	Unauthenticated callers
Source pattern	.*@example\.calls\.webex\.com.*, where example is your company's subdomain.
Destination pattern	.*
Action	Reject

Step 3 Click **Add** to save this new rule.

Migrate Users and Devices in Workspaces to Webex SIP Addresses

After you finish the appropriate on-premises configuration steps, complete the Hybrid Call Service steps in Cisco Webex Control Hub (https://admin.webex.com) and the Call Connector. You'll perform steps to bring over all of your users and workspaces to the Webex-branded SIP addresses and mirror this configuration as the new remote destination on the Cisco Spark-RDs in Unified CM. The following is a high-level overview of the steps:

- 1. Disabling and reenabling Call Service Connect for the org—This step requires a number of substeps. You'll first toggle off Call Service Connect for your organization, which effectively converts you to a cloud calling organization. You then edit your organization SIP domain which kicks off the SIP address change to the Webex domain, which runs as a background task in Control Hub. When completed and you've verified that the SIP addresses updated for users and workspaces, you toggle Call Service Connect back on for your organization.
- 2. SIP Address Change—This step uses the SIP address mechanism that is built into Control Hub. When you're a cloud calling organization (in this case, when you temporarily disable Call Service Connect), you can edit your subdomain, and this step kicks off the migration of your SIP addresses for users and workspaces to the Webex domain.
- 3. Call Connector Updates—The call connectors pick up the SIP address change as the new remote destination to pass down to Cisco Spark-RDs on each Unified CM cluster. The expected behavior is covered in the procedure steps.
- **4. Verification of New Addresses**—Throughout the procedure, there are checks and balances to help you verify the migration on the Control Hub and premises side of things.

Before you begin

Complete the on-premises migration steps on your Unified CM and Expressway environments. If the on-premises configuration is not completed correctly, the users will be in error state for Hybrid Call Service.

Step 1 From the customer view in https://admin.webex.com, deactivate Hybrid Call Service Connect for your organization by going to Organization Services, choosing Edit settings on the Hybrid Call card, scrolling to Call Service Connect, and then clicking Deactivate.

As soon as the service is deactivated, Hybrid Call Service calls will not route. This step is required to temporarily convert you to a cloud calling organization, which allows you to modify the SIP addresses for calling. After you see that Call Service Connect is disabled for the organization, you can proceed with the steps.

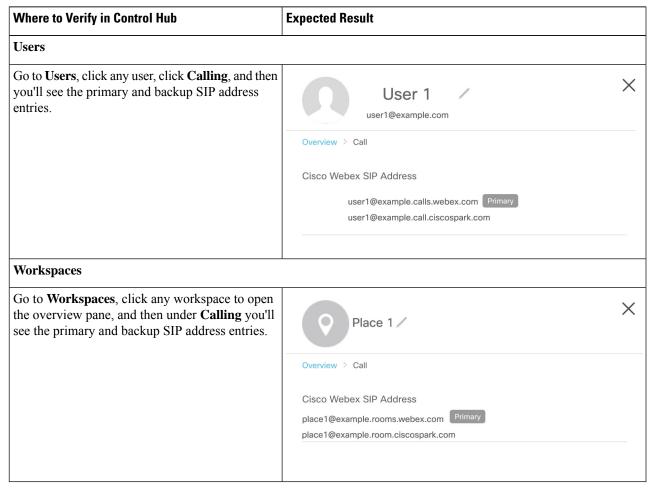
Step 2 Go to Settings, scroll to SIP Address for Cisco Webex Calling, click Edit Subdomain, leave the same value or enter a new value as needed, click Check Availability, click Save and then click OK.

This step triggers the migration process that converts the domains from Cisco Spark to Webex. You'll see a background task notification at the top of your Control Hub instance. You can click on the notification to see the status of the SIP address changes.

Secondary SIP addresses with ciscospark.com remain if you don't change the subdomain value. If you do change the subdomain value, the ciscospark.com SIP address is not preserved.

Note If any users or workspaces produce an error in the results, you can try these steps to address the issue:

- Redo the preceding step to trigger the migration process again—you should see a Rerun button.
- If specific users or workspaces continue to produce errors, try to edit the user or workspace in Control Hub without making any changes and then click **Save**.
- If you rerun the migration step and still see users and workspaces in error state, export the CSV file, open a case with the Cisco TAC, and attach the CSV file to your case.
- **Step 3** After the SIP address background task is completed and there are no errors, use Cisco Webex Control Hub to verify that the SIP addresses appear correctly for users and Workspaces:



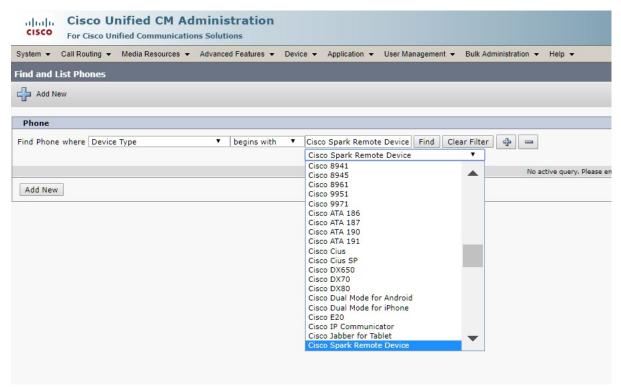
After you verify that the SIP addresses converted correctly to a Webex domain, you can reenable your organization with Hybrid Call Service Connect.

Step 4 From the customer view in https://admin.webex.com, reactivate Hybrid Call Service Connect for your organization by going to **Services>Hybrid**, choosing **Edit settings** on the Hybrid Call card, scrolling to **Call Service Connect**, and then clicking **Activate**.

After all the user and Workspace SIP addresses are changed on the cloud side and your organization is reenabled for Hybrid Call Service Connect, the Call Connector on Expressway needs to pick up on these changes and replicate them

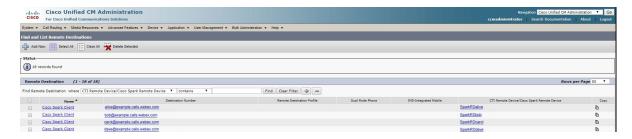
on the premises side. On Unified CM, the new Webex SIP addresses become the remote destination for each Cisco Spark-RD that is tied to a user or workspace account.

- **Step 5** To synchronize these changes, choose an option:
 - Wait for the daily user activation status validation, which occurs between 7 am and 11 am Universal Time Coordinated (UTC). The changes are picked up through the Call Connector after this validation period.
 - Restart each Call Connector by following these steps in the deployment guide. In a multicluster deployment, restarting the connector on the primary node automatically restarts the other connectors in the cluster. The changes are picked up after the connector comes back online.
 - **Caution** As mentioned in the deployment guide, restarting the Call Connector creates extra load on Unified CM publishers. Consider restarting the Call Connector during off-peak hours; during busy hours, a restart may cause service issues.
- **Step 6** Verify that the Cisco Spark-RDs are still listed: from Cisco Unified CM Administration, go to **Device** > **Phone**, and search on **Cisco Spark Remote Device** as the **Device Type**.



Verify that the remote destinations were created correctly: From Cisco Unified CM Administration, go to **Device** > **Remote Destination**, choose **CTI Remote Device/Cisco Spark Remote Device** from the **Find destination where** drop down, and then click **Find**.

The results show each Cisco Spark Remote Device (Cisco Spark-RDs) in your deployment and the remote destination (under **Destination Number**. Your Cisco Spark-RDs have a remote destination subdomain calls.webex.com for users and rooms.webex.com for devices in a workspace.



Step 8 Make test calls to verify that call behavior is as expected (for example, an incoming call rings both a Hybrid Call Service user's desk phone and Webex app.

See the Test the Softphone Functionality for Hybrid Call Service procedure in the deployment guide for more information.

Things to Keep in Mind

- After the change is made in Control Hub, the new Webex SIP addresses are set as the primary address
 for users and workspaces. At this point, calls from cloud to enterprise begin to use the new *.webex.com
 SIP addresses.
- Old SIP addresses (*.ciscospark.com) are not removed. This ensures that calls toward the Cisco Webex cloud still work when when users dial the old SIP addresses.
- Because the on-premises Cisco Spark-RD is configured with the old *.ciscospark.com value, outbound calls will not anchor to the user's home cluster. Depending on customer routing rules, calls may fail for a brief period of time.

For example, a user's SIP address is webex.com but the manual Cisco Spark-RD remote destination address is still ciscospark.com until the nightly discovery connector restarts updates the Cisco Spark-RD with the new webex.com address. If you migrate this at 9 am but wait for nightly discovery to update the Cisco Spark-RD, then calls from this user may not work properly.

Migrate Users and Devices in Workspaces to Webex SIP Addresses



Troubleshoot the Migration

- Troubleshoot a Failed Migration, on page 19
- Questions, on page 20

Troubleshoot a Failed Migration

A migration may fail while updating the remote destination on Unified CM. Use this troubleshooting task if the Remote Destination list on Unified CM shows that some migrated users still have the old ciscospark.com Destination Number.

Procedure

- If you opted to wait for the daily discovery, ensure that the 07:00 to 11:00 UTC discovery window has passed since you initiated the migration in Cisco Webex Control Hub. If the discovery window has elapsed, check in Cisco Webex Control Hub to see if any users are showing in error state for Call Service Connect. If the user shows an error, select Connect to view the error details, and then:
- a) Resolve the cause of the error, as per the error text, and then choose one:
 - Toggle the Connect service for the user off and then on.
 - Wait for the next discovery cycle.
- If you opted to restart the Call Connector, check in Cisco Webex Control Hub if any users are showing error for Call Service Connect. If the user shows an error, select Connect to view the error details, and then:
- a) Resolve the cause of the error per the error text and then choose one:
 - Toggle the Connect service for the user off and then on.
 - Restart the Call Connector.

Questions

Will the migration take place if I have set my Cisco Spark-RD creation on the Expressway Connector to manual?

Yes, the migration takes place whether you have automatically or manually created Spark-RDs.

Will the Cisco Spark-RD name change to Webex-RD?

For now, the device name will not change.