

# Configurer les paramètres de région entre VCS et CUCM

## Contenu

[Introduction](#)

[Conditions préalables](#)

[Conditions requises](#)

[Components Used](#)

[Configuration](#)

[Vérification](#)

[Dépannage](#)

## Introduction

Ce document décrit la procédure à suivre pour configurer les paramètres de région sur le serveur de communication vidéo (VCS) afin de communiquer avec Cisco Unified Communication Manager (CUCM) ou un autre VCS.

## Conditions préalables

### Conditions requises

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- VCS
- CUCM

### Components Used

Les informations de ce document sont basées sur VCS.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Si votre réseau est en ligne, assurez-vous de bien comprendre l'incidence possible des commandes.

## Configuration

Afin de configurer les paramètres de région, procédez comme suit.

Étape 1. Connectez-vous à VCS et créez une agrégation.

Étape 2. Accédez à **Configuration > Zones > Zones** comme illustré dans l'image :

tsbu-blr-vcsx1 - Overview - Mozilla Firefox

https://10.78.23.19/overview

CISCO Cisco TelePresence Video Communication Server Expressway

This system has 2 alarms

Status System Configuration Applications Users Maintenance

Overview

System information

System name

Up time

Software version

IPv4 address

IPv6 address

Options

Resource usage (last u

Traversal calls

Non-traversal calls

Protocols

Registration

Authentication

Call routing

Local Zone

Zones

Domains

Unified Communications

Dial plan

Bandwidth

Traversal

Call Policy

Since last restart video

Since last restart audio (SIP)

License usage current

License usage peak

Current

Peak

Since last restart

License usage current

License usage peak

1

0

13

2

5044

62

5%

21%

4

16

29017

N/A

N/A

Registrations, 70 TURN Relays, Traversal Server, Encryption, Interworking, Advanced Networking.

tsbu-blr-vcsx1 -write System host name: tsbu-blr-vcsx1 System time: 15:59 IST

Language: en\_US S/N: 52A15031 Version: X8.1.1

Étape 3. Sélectionner **Nouveau**.

tsbu-blr-vcsx1 - Zones - Mozilla Firefox

https://10.78.23.19/zones

CISCO Cisco TelePresence Video Communication Server Expressway

This system has 2 alarms

Status System Configuration Applications Users Maintenance

Zones

You are here: Configuration > Zones > Zones

Name	Type	Calls	Bandwidth used	H323 status	SIP status	Search rule status	Actions
DefaultZone	Default zone	1	6000 kbps	On	On		<a href="#">View/Edit</a>
<input type="checkbox"/> CUCM_Neighbor_OSLO	Neighbor	0	0 kbps	Off	Failed	No search rules configured	<a href="#">View/Edit</a>
<input type="checkbox"/> CUCM_Banglore_1	Neighbor	0	0 kbps	Off	Active	No search rules configured	<a href="#">View/Edit</a>
<input type="checkbox"/> CUCM_Neighbor_BLR	Neighbor	0	0 kbps	Off	Active	Enabled search rules: 1	<a href="#">View/Edit</a>
<input type="checkbox"/> CUCM_Neighbor_BLR_PUB2	Neighbor	0	0 kbps	Off	Active	No search rules configured	<a href="#">View/Edit</a>
<input type="checkbox"/> CUCM_Neighbour_BLR_PUB2_R	Neighbor	0	0 kbps	Off	Active	Disabled search rules: 1	<a href="#">View/Edit</a>
<input type="checkbox"/> cucmharshan	Neighbor	0	0 kbps	Off	Active	Enabled search rules: 1	<a href="#">View/Edit</a>
<input type="checkbox"/> Multiway-SIP	Neighbor	0	0 kbps	Off	Active	Enabled search rules: 1	<a href="#">View/Edit</a>

New Delete Select all Unselect all

User: admin Access: Read-write System host name: tsbu-blr-vcsx1 System time: 16:00 IST

Language: en\_US S/N: 52A15031 Version: X8.1.1

Étape 4. Modifiez ces champs en conséquence :

Name : {Nom de la zone}

type : Neighbor (voisin)

Mode H.323 : Off (désactivé)

Port SIP : 5060 (similaire au numéro de port que vous avez indiqué dans la destination)

## CUCM/VCS)

### Transport SIP : TCP ou UDP (TLS si le chiffrement est pris en charge par CUCM)

The screenshot shows the 'Create zone' configuration page in the Cisco TelePresence Video Communication Server Expressway. The 'Configuration' tab is selected, and the following settings are visible:

- Name: CUCM\_Neighbor\_BLR\_PUB2
- Type: Neighbor
- Hop count: 15
- H.323 Mode: Off
- SIP Mode: On
- Port: 5060
- Transport: TCP
- Accept proxied registrations: Allow
- Media encryption mode: Auto
- ICE support: Off

At the bottom, the system status bar shows: User: admin, Access: Read-write, System host name: tsbu-blr-vcsx1, System time: 16:04 IST, Language: en\_US, S/N: 52A15031, Version: X8.1.1.

Étape 5. Sélectionnez **Maintenance** et définissez la stratégie d'authentification sur **Traiter comme authentifié** et indiquez l'emplacement de l'adresse de destination pour avec laquelle vous voulez former un trunk. Sélectionnez ensuite **Créer une zone**.

The screenshot shows the 'Create zone' configuration page in the Cisco TelePresence Video Communication Server Expressway. The 'Authentication' tab is selected, and the following settings are visible:

- Authentication policy: Treat as authenticated
- SIP authentication trust mode: Off

The 'Location' tab is also visible, showing fields for Peer 1 address (10.78.23.23) and Peer 2 through Peer 6 addresses.

An information box is open on the right side, containing the following text:

**Information**

Specifies the IP address or Fully Qualified Domain Name (FQDN) of the neighbor.

If the neighbor zone is a VCS cluster, this will be one of the peers in that cluster.

Range: 0 to 255 characters

At the bottom, the system status bar shows: User: admin, Access: Read-write, System host name: tsbu-blr-vcsx1, System time: 16:12 IST, Language: en\_US, S/N: 52A15031, Version: X8.1.1.

Étape 6. Accédez à **Configuration > Plan de numérotation > Règles de recherche**.

**Overview**

System information

- System name
- Up time
- Software version
- IPv4 address
- IPv6 address
- Options
- Resource usage (last u)

Traversal calls

Since last restart video	5044
Since last restart audio (SIP)	62
License usage current	3%
License usage peak	21%

Non-traversal calls

Current	2
Peak	16
Since last restart	29026
License usage current	N/A
License usage peak	N/A

Configuration menu items:

- Protocols
- Registration
- Authentication
- Call routing
- Local Zone
- Zones
- Domains
- Unified Communications
  - Dial plan
  - Bandwidth
  - Traversal
  - Call Policy
- Configuration
- Transforms
- Search rules**
- Policy services

Étape 7. Sélectionnez **Nouveau**.

**Search rules**

Priority	Rule name	Protocol	Source	Authentication required	Mode	Pattern type	Pattern string	Pattern behavior	On match	Target	State
1	LocalZoneMatch	Any	Any	No	Any alias	Alias pattern match		Continue	LocalZone	Enabled	
1	Route VCS calls to CUCM Neighbour BLR PUB2 R	Any	Any	No	Alias pattern match	Regex	(3ld(3))@10.78.23.19(*)	Replace	Stop	CUCM_Neighbour_BLR_PUB2_R	Disabled
40	Route VCS call to CUCM(21)	SIP	Any	No	Alias pattern match	Regex	(3ld(3))@10.78.23.19(*)	Replace	Stop	(unconfigured)	Enabled
40	Route VCS Calls to CUCM_BLR	Any	Any	No	Alias pattern match	Regex	(3ld(3))@10.78.23.19(*)	Replace	Stop	CUCM_Neighbor_BLR	Enabled
40	CUCM to registered devices(VCS_BLR)	Any	Any	No	Alias pattern match	Regex	(.*)@10.78.23.19((: ;).*)?	Replace	Stop	LocalZone	Disabled
40	Route VCS call to CUCM(23)	Any	Any	No	Alias pattern match	Regex	(3ld(3))@10.78.23.19(*)	Replace	Stop	cucmharshan	Enabled
48	H323 Calls to MCU	Any	Any	No	Alias pattern match	Regex	(55577ld+)@indiaqalab.com	Replace	Continue	LocalZone	Enabled
48	SIP Calls to MCU	Any	Any	No	Alias pattern match	Regex	555(77ld+)@indiaqalab.com)	Replace	Continue	Multiway-SIP	Enabled

Buttons: New, Delete, Enable, Disable, Select all, Unselect all

Search rules are applied in priority order, with 1 being the highest priority

Related tasks

- Test whether a pattern match or transform has the expected result
- Perform a test search for an alias

Étape 8. Entrez les valeurs de ces champs en conséquence et sélectionnez **Enregistrer** une fois terminé.

**Nom de la règle :** {name}

**Description:** {description}

**Priorité :** 2

**Mode :** Correspondance de modèle d'alias

**Pattern type (type de schéma) :** Regex

Chaîne de motif : {modèle regex qui correspond au modèle URI de destination}

Pattern behavior (comportement de schéma) : Remplacer

Chaîne de remplacement: {Chaîne à remplacer par le modèle}

Lors de la correspondance réussie : Arrêter

Target (cible) : {Sélectionnez celle que vous avez créée aux étapes 4 et 5}

Province: Activée

The screenshot displays the Cisco TelePresence Video Communication Server Expressway configuration page for editing a search rule. The browser address bar shows the URL `https://10.78.23.19/editrule?id=8`. The page title is "Cisco TelePresence Video Communication Server Expressway". A notification banner at the top right states "This system has 2 alarms". The navigation menu includes "Status", "System", "Configuration", "Applications", "Users", and "Maintenance". The current page is "Edit search rule". The configuration details are as follows:

Field	Value
Rule name	Route VCS call to CUCM(23)
Description	Trunk between 19 and 23.
Priority	2
Protocol	Any
Source	Any
Request must be authenticated	No
Mode	Alias pattern match
Pattern type	Regex
Pattern string	<code>(3d{3})@10.78.23.19(.*)</code>
Pattern behavior	Replace
Replace string	<code>11@10.78.23.23</code>
On successful match	Stop
Target	CUCM_Neighbor_BLR_PUB2
State	Enabled

At the bottom of the page, the status bar shows: "User: admin Access: Read-write System host name: tsbu-blr-vcsx1 System time: 16:20 IST Language: en\_US S/N: 52A15031 Version: X8.1.1".

Une fois la configuration effectuée pour ce côté de la liaison, les points d'extrémité enregistrés vers CUCM/VCS de destination peuvent être appelés.

## Vérification

Aucune procédure de vérification n'est disponible pour cette configuration.

## Dépannage

Il n'existe actuellement aucune information de dépannage spécifique pour cette configuration.