

# Configurazione delle impostazioni dell'area tra VCS e CUCM

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## Introduzione

In questo documento viene descritta la procedura per configurare le impostazioni dell'area su Video Communication Server (VCS) in modo che comunichi con un Cisco Unified Communications Manager (CUCM) o un altro VCS.

## Prerequisiti

### Requisiti

Cisco raccomanda la conoscenza dei seguenti argomenti:

- VCS
- CUCM

### Componenti usati

Le informazioni fornite in questo documento si basano sul software VCS.

Le informazioni discusse in questo documento fanno riferimento a dispositivi usati in uno specifico ambiente di emulazione. Su tutti i dispositivi menzionati nel documento la configurazione è stata ripristinata ai valori predefiniti. Se la rete è operativa, valutare attentamente eventuali conseguenze derivanti dall'uso dei comandi.

## Configurazione

Per configurare le impostazioni dell'area, effettuare le seguenti operazioni.

Passaggio 1. Accedere a VCS e creare un trunk.

Passaggio 2. Passare a **Configurazione > Zone > Zone** come mostrato nell'immagine:

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

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

1

0

13

2

5044

62

5%

21%

4

16

29017

N/A

N/A

https://10.78.23.19/zones -write System host name: tsbu-blr-vcsx1 System time: 15:59 IST Language: en\_US S/N: 52A15031 Version: X8.1.1

Passaggio 3. Selezione Nuovo.

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

Passaggio 4. Modificare i campi di conseguenza:

Nome: {Nome zona}

Tipo: Adiacente

Modalità H.323: Spento

Porta SIP: 5060 (simile al numero di porta specificato in Destination CUCM/VCS)

## Trasporto SIP: TCP o UDP (TLS se la crittografia è supportata da CUCM)

tsbu-blr-vcsx1 - Create zone - Mozilla Firefox  
Rohit Mruthunjaya ... WebHome < Main < TWiki ... Cisco Codec: -Syst... tsbu-blr-vcsx1 - Crea...  
https://10.78.23.19/createzone  
Cisco TelePresence Video Communication Server Expressway  
Status System Configuration Applications Users Maintenance  
This system has 2 alarms  
Help Logout  
You are here: Configuration > Zones > Zones > Create zone  
Create zone  
Configuration  
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  
Configure TURN servers  
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

Passaggio 5. Selezionare **Manutenzione** e impostare i criteri di autenticazione su **Considera autenticato** e fornire il percorso dell'indirizzo di destinazione per cui si desidera creare un trunk. Quindi, selezionare **Crea zona**.

tsbu-blr-vcsx1 - Create zone - Mozilla Firefox  
Rohit Mruthunjaya ... WebHome < Main < TWiki ... Cisco Codec: -Syst... tsbu-blr-vcsx1 - Crea...  
https://10.78.23.19/createzone  
Cisco TelePresence Video Communication Server Expressway  
Status System Configuration Applications Users Maintenance  
This system has 2 alarms  
Help Logout  
You are here: Configuration > Zones > Zones > Create zone  
Create zone  
Authentication  
Authentication policy: Treat as authenticated  
SIP authentication trust mode: Off  
Location  
Peer 1 address: 10.78.23.23  
Peer 2 address  
Peer 3 address  
Peer 4 address  
Peer 5 address  
Peer 6 address  
Advanced  
Zone profile: Default  
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  
Create zone Cancel  
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

Passaggio 6. Passare a **Configurazione > Dial plan > Regole di ricerca**.

**Overview**

System information

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

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

Passaggio 7. Selezionare **Nuovo**.

**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

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

Passaggio 8. Inserire i valori in questi campi e selezionare **Salva** al termine.

**Nome regola:** {nome}

**Descrizione:** {descrizione}

**Priority:** 2

**Modalità:** Corrispondenza criteri alias

**Tipo motivo:** Regex

Stringa modello: {modello regex corrispondente al modello URI di destinazione}

Comportamento modello: Sostituisci

Sostituisci stringa: {Stringa con cui sostituire il modello}

In caso di corrispondenza riuscita: Interrompi

Destinazione: {Selezionare quello creato nei passaggi 4 e 5}

State: Attivato

The screenshot displays the Cisco TelePresence Video Communication Server Expressway configuration interface. 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 navigation menu includes "Status", "System", "Configuration", "Applications", "Users", and "Maintenance". A red notification bubble indicates "This system has 2 alarms". The main content area is titled "Edit search rule" and shows the following configuration details:

- 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: `(3d{3})@10.78.23.19(.*)`
- Pattern behavior: Replace
- Replace string: `11@10.78.23.23`
- On successful match: Stop
- Target: CUCM\_Neighbor\_BLR\_PUB2
- State: Enabled

At the bottom of the interface, the user is identified as "admin" with "Read-write" access. The system host name is "tsbu-blr-vcsx1" and the system time is "16:20 IST". The language is set to "en\_US" and the version is "X8.1.1".

Una volta eseguita la configurazione per il lato specifico del trunk, è possibile chiamare gli endpoint registrati nella destinazione CUCM/VCS.

## Verifica

Attualmente non è disponibile una procedura di verifica per questa configurazione.

## Risoluzione dei problemi

Al momento non sono disponibili informazioni specifiche per la risoluzione dei problemi di questa configurazione.