

Configuración de los parámetros de región entre VCS y CUCM

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Introducción

Este documento describe el procedimiento para configurar la configuración regional en Video Communication Server (VCS) para comunicarse con Cisco Unified Communication Manager (CUCM) u otro VCS.

Prerequisites

Requirements

Cisco recomienda que tenga conocimiento sobre estos temas:

- VCS
- CUCM

Componentes Utilizados

La información de este documento se basa en 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 tiene una red en vivo, asegúrese de entender el posible impacto de cualquier comando.

Configurar

Para configurar la configuración de región, siga estos pasos.

Paso 1. Inicie sesión en VCS y forme un enlace troncal.

Paso 2. Vaya a **Configuración > Zonas > Zonas**, como se muestra en la imagen:

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

Paso 3. Seleccionar **Nuevo**.

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		View/Edit
<input type="checkbox"/> CUCM_Neighbor_OSLO	Neighbor	0	0 kbps	Off	Failed	No search rules configured	View/Edit
<input type="checkbox"/> CUCM_Banglore_1	Neighbor	0	0 kbps	Off	Active	No search rules configured	View/Edit
<input type="checkbox"/> CUCM_Neighbor_BLR	Neighbor	0	0 kbps	Off	Active	Enabled search rules: 1	View/Edit
<input type="checkbox"/> CUCM_Neighbor_BLR_PUB2	Neighbor	0	0 kbps	Off	Active	No search rules configured	View/Edit
<input type="checkbox"/> CUCM_Neighbour_BLR_PUB2_R	Neighbor	0	0 kbps	Off	Active	Disabled search rules: 1	View/Edit
<input type="checkbox"/> cucmharshan	Neighbor	0	0 kbps	Off	Active	Enabled search rules: 1	View/Edit
<input type="checkbox"/> Multiway-SIP	Neighbor	0	0 kbps	Off	Active	Enabled search rules: 1	View/Edit

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

Paso 4. Cambie estos campos en consecuencia:

Nombre: {Zone name}

Tipo: Vecino

Modo H.323: Desactivado

Puerto SIP: 5060 (similar al número de puerto que ha proporcionado en CUCM/VCS de destino)

Transporte SIP: TCP o UDP (TLS si CUCM admite el cifrado)

The screenshot shows the 'Create zone' configuration page in the Cisco TelePresence Video Communication Server Expressway. The 'SIP' section is expanded, showing the following settings:

- Mode: On
- Port: 5060
- Transport: TCP
- Accept proxied registrations: Allow
- Media encryption mode: Auto
- ICE support: Off

The 'Configuration' section shows:

- Name: CUCM_Neighbor_BLR_PUB2
- Type: Neighbor
- Hop count: 15

The 'H.323' section shows:

- Mode: Off

The status bar at the bottom indicates: 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

Paso 5. Seleccione **Mantenimiento** y establezca la política de autenticación en **Tratar como autenticado** y proporcione la ubicación de la dirección de destino para con la que desea formar un tronco. A continuación, seleccione **Crear zona**.

The screenshot shows the 'Create zone' configuration page in the Cisco TelePresence Video Communication Server Expressway. The 'Authentication' section is expanded, showing the following settings:

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

The 'Location' section is expanded, showing:

- Peer 1 address: 10.78.23.23
- Peer 2 address: [Empty]
- Peer 3 address: [Empty]
- Peer 4 address: [Empty]
- Peer 5 address: [Empty]
- Peer 6 address: [Empty]

The 'Advanced' section shows:

- Zone profile: Default

The status bar at the bottom indicates: 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

Paso 6. Vaya a **Configuración > Plan de marcación > Reglas de búsqueda**.

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

Since last restart video 5044

Since last restart audio (SIP) 62

License usage current 3%

License usage peak 21%

Current 2

Peak 16

Since last restart 29026

License usage current N/A

License usage peak N/A

https://10.78.23.19/searchrules System host name: tsbu-blr-vcsx1 System time: 16:13 IST Language: en_US S/N: 52A15031 Version: X8.1.1

Paso 7. Seleccione **Nuevo**.

tsbu-blr-vcsx1 - Search rules - Mozilla Firefox

https://10.78.23.19/searchrules

CISCO Cisco TelePresence Video Communication Server Expressway

This system has 2 alarms

Status System Configuration Applications Users Maintenance

Search rules

You are here: Configuration > Dial plan > 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		Continue	LocalZone	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

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

User: admin Access: Read-write System host name: tsbu-blr-vcsx1 System time: 16:15 IST Language: en_US S/N: 52A15031 Version: X8.1.1

Paso 8. Ingrese los valores de estos campos en consecuencia y seleccione **Guardar** cuando termine.

Nombre de la regla {nombre}

Descripción: {descripción}

Prioridad: 2

Modo: Coincidencia de patrón de alias

Tipo de patrón: Regex

Cadena de patrón: {regex pattern que coincide con el patrón de URI de destino}

Comportamiento de patrón: Reemplazar

Reemplazar cadena: {Cadena por la que se debe reemplazar el patrón}

En coincidencia satisfactoria: Detener

Objetivo: {Seleccione la que creó en los pasos 4 y 5}

Estado: Habilitado

The screenshot displays the Cisco TelePresence Video Communication Server Expressway configuration interface. The main content area is titled "Edit search rule" and shows the configuration for a rule named "Route VCS call to CUCM(23)". 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	(3id{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

The interface also shows a navigation menu on the left with options like Status, System, Configuration, Applications, Users, and Maintenance. A notification at the top right indicates "This system has 2 alarms". The bottom status bar shows the user is "admin" with "Read-write" access, and the system time is "16:20 IST".

Una vez que se realiza la configuración para ese lado del tronco, se puede llamar a los terminales registrados en CUCM/VCS de destino.

Verificación

Actualmente, no hay un procedimiento de verificación disponible para esta configuración.

Troubleshoot

Actualmente, no hay información específica de troubleshooting disponible para esta configuración.