

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)

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

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**.

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

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

tsbu-blr-vcsx1 - Overview - Mozilla Firefox

https://10.78.23.19/overview

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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 |
|--------------------------|--|----------|--------|-------------------------|---------------------|--------------|----------------------------|------------------|-----------|---------------------------|----------|
| <input type="checkbox"/> | LocalZoneMatch | Any | Any | No | Any alias | Alias | | Continue | LocalZone | Enabled | |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | Route VCS call to CUCM(21) | SIP | Any | No | Alias pattern match | Regex | (3ld(3))@10.78.23.19(*) | Replace | Stop | (unconfigured) | Enabled |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | CUCM to registered devices(VCS_BLR) | Any | Any | No | Alias pattern match | Regex | (.*)@10.78.23.19((: ;).*)? | Replace | Stop | LocalZone | Disabled |
| <input type="checkbox"/> | Route VCS call to CUCM(23) | Any | Any | No | Alias pattern match | Regex | (3ld(3))@10.78.23.19(*) | Replace | Stop | cucmharshan | Enabled |
| <input type="checkbox"/> | H323 Calls to MCU | Any | Any | No | Alias pattern match | Regex | (55577ld+)@indiaqalab.com | Replace | Continue | LocalZone | Enabled |
| <input type="checkbox"/> | 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 page. 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 states "This system has 2 alarms". 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 | <code>(3id{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 indicates: "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".

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.