

Definir as configurações da região entre VCS e CUCM

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Introduction

Este documento descreve o procedimento para configurar as configurações da região no VCS (Video Communication Server, servidor de comunicação de vídeo) para se comunicar com um Cisco Unified Communication Manager (CUCM) ou outro VCS.

Prerequisites

Requirements

A Cisco recomenda que você tenha conhecimento destes tópicos:

- VCS
- CUCM

Componentes Utilizados

As informações neste documento são baseadas no 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. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

Configurar

Para configurar as configurações da região, siga estas etapas.

Etapa 1. Faça login no VCS e forme um tronco.

Etapa 2. Navegue até **Configuration > Zones > Zones** como mostrado na imagem:

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

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

Etapa 3. Selecionar Novo.

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

Etapa 4. Altere estes campos de acordo:

Nome: {Nome da zona}

Digite: Vizinho

Modo H.323: Off

Porta SIP: 5060 (semelhante ao número de porta fornecido no destino CUCM/VCS)

Transporte SIP: TCP ou UDP (TLS se a criptografia for suportada pelo 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

Etapa 5. Selecione **Manutenção** e defina a política de autenticação como **Tratar como autenticado** e forneça o local do endereço de destino para com o qual você deseja formar um tronco. Em seguida, selecione **Criar 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

Etapa 6. Navegue até **Configuração > Plano de discagem > Regras de pesquisa**.

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

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

- Registration
- Authentication
- Call routing
- Local Zone
- Zones
- Domains
- Unified Communications
- Dial plan
- Bandwidth
- Traversal
- Call Policy

Configuration

- Transforms
- Search rules
- Policy services

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

Passo 7. Seleçione **Novo**.

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 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

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

Etapa 8. Insira os valores desses campos de acordo e seleçione **Salvar** quando terminar.

Nome da regra: {nome}

Descriçãõ: {descriçãõ}

Prioridade: 2

Modo: Correspondência de padrão de alias

Tipo de padrão: Regex

String de padrão: {padrão regex que corresponde ao padrão URI de destino}

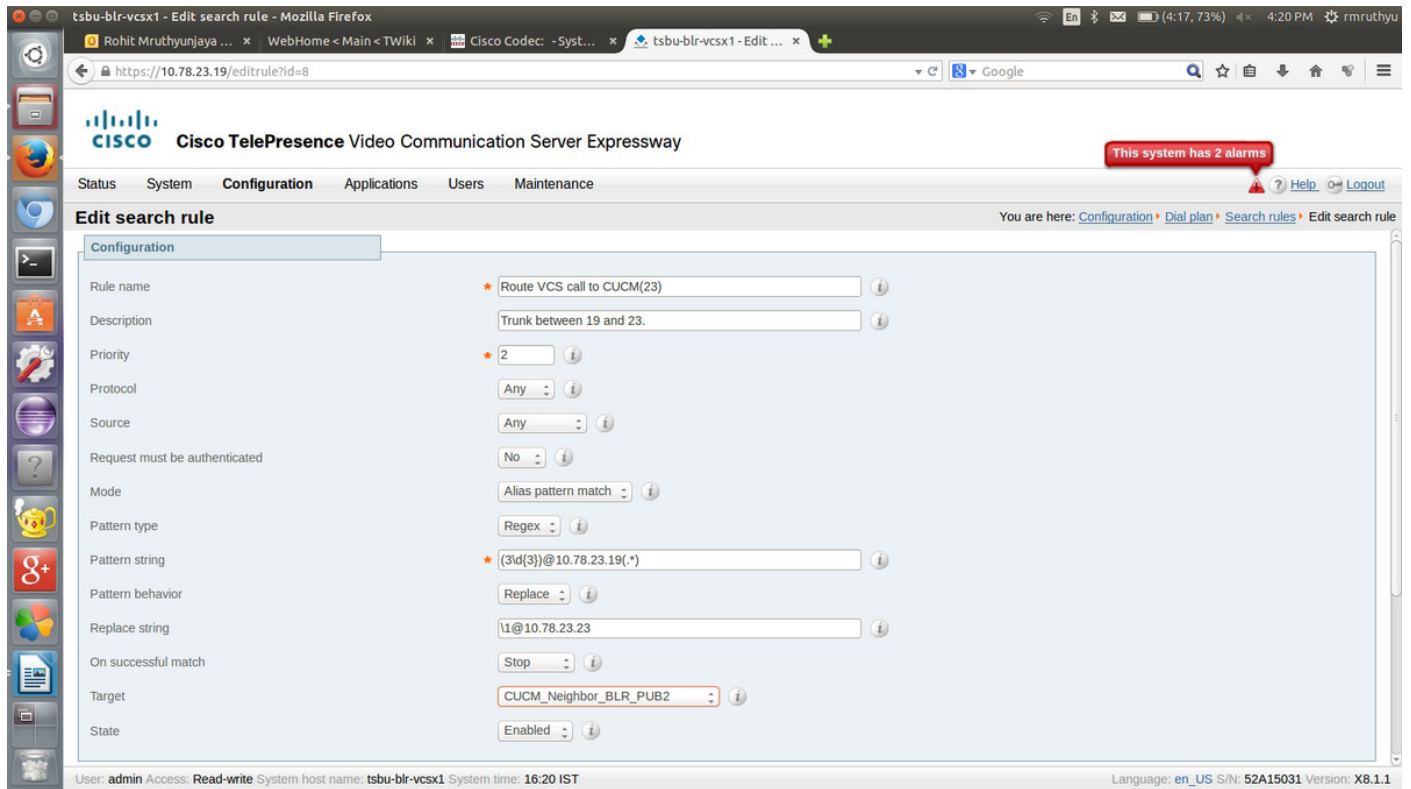
Comportamento padrão: Substituir

Substituir string: {String o padrão tem que ser substituído por}

Na correspondência bem-sucedida: Parar

Destino: {Selecione o que você criou nas etapas 4 e 5}

Estado: Habilitado



The screenshot shows the Cisco TelePresence Video Communication Server Expressway configuration interface. The main configuration area is titled "Edit search rule" and contains the following fields:

- 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: \1@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, a status bar at the top indicating "This system has 2 alarms", and a footer with user information: "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".

Quando a configuração for feita para esse lado do tronco, os endpoints registrados para o destino CUCM/VCS podem ser chamados.

Verificar

No momento, não há procedimento de verificação disponível para esta configuração.

Troubleshoot

Atualmente, não existem informações disponíveis específicas sobre Troubleshooting para esta configuração.