

Configure Region Settings Between VCS and CUCM

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Introduction

This document describes the procedure to configure Region Settings on Video Communication Server (VCS) to communicate with a Cisco Unified Communication Manager (CUCM) or another VCS.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- VCS
- CUCM

Components Used

The information in this document is based on 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. If your network is live, ensure that you understand the potential impact of any command.

Configure

In order to configure Region Settings, follow these steps.

Step 1. Log in to VCS and form a trunk.

Step 2. Navigate to **Configuration > Zones > Zones** as shown in the 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

Step 3. Select **New**.

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

Step 4. Change these fields accordingly:

Name: {Zone name}

Type: Neighbor

H.323 mode: Off

SIP Port: 5060 (Similar to the port number that you have given in Destination CUCM/VCS)

SIP Transport: TCP or UDP (TLS if encryption is supported by 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 Cisco TelePresence Video Communication Server Expressway

Status System **Configuration** Applications Users Maintenance

This system has 2 alarms

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

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

Step 5. Select **Maintenance** and set the authentication policy to **Treat as authenticated** and provide the location of the destination address for which you want to form a trunk with. Then, select **Create Zone**.

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 Cisco TelePresence Video Communication Server Expressway

Status System **Configuration** Applications Users **Maintenance**

This system has 2 alarms

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

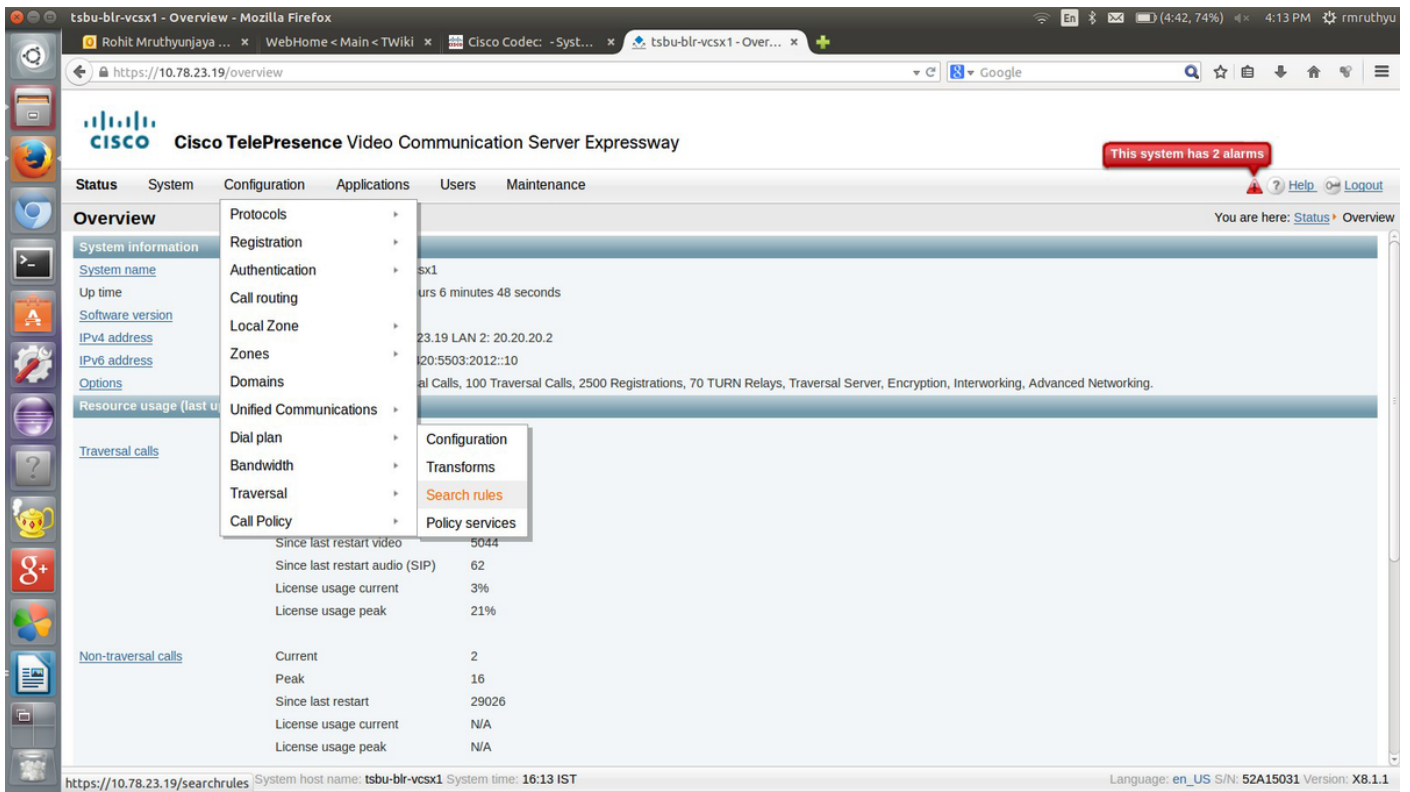
Zone profile: Default

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

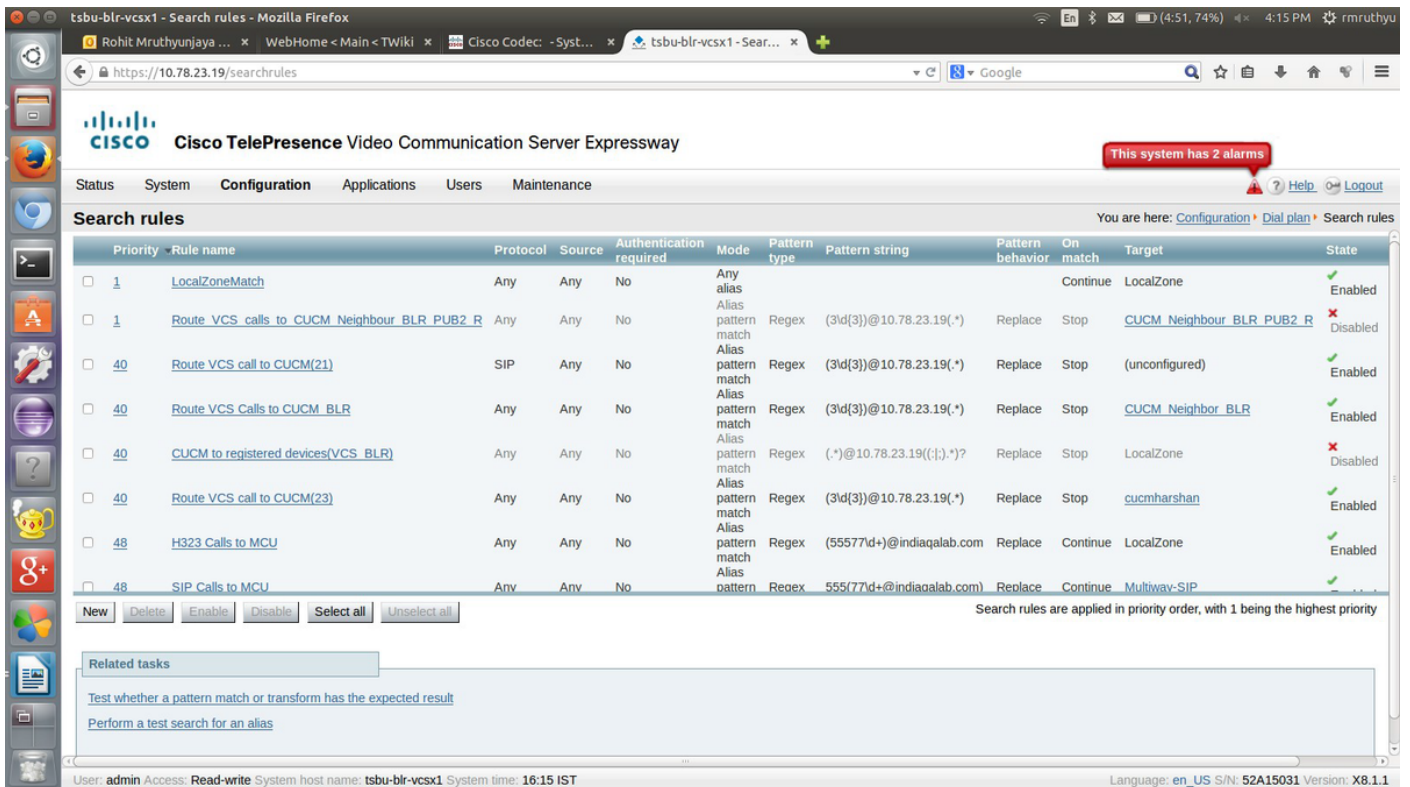
Create zone | Cancel

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

Step 6. Navigate to **Configuration > Dial plan > Search rules**.



Step 7. Select **New**.



Step 8. Enter the values of these fields accordingly and select **Save** when finished.

Rule name: {name}

Description: {description}

Priority: 2

Mode: Alias pattern match

Pattern type: Regex

Pattern string: {regex pattern which matches the destination URI pattern}

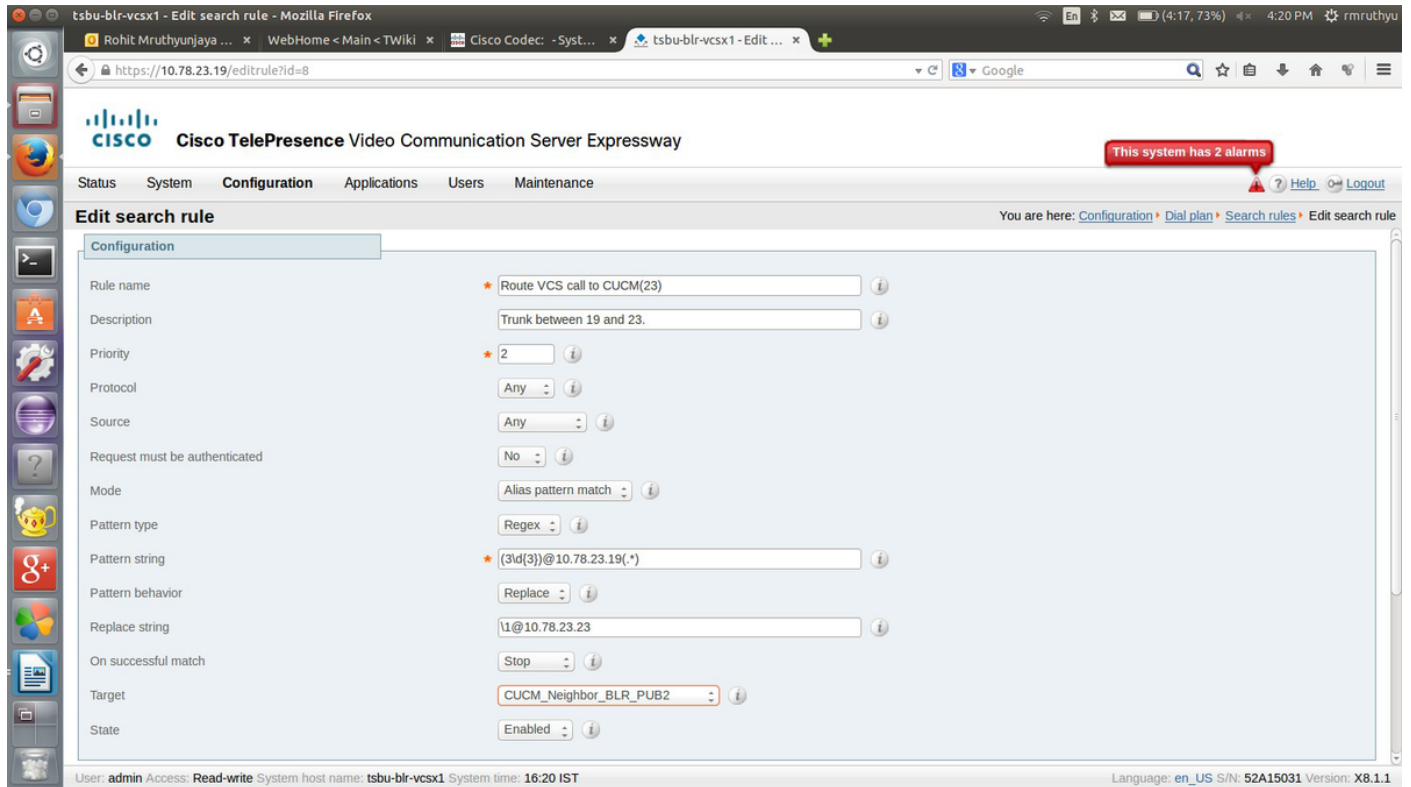
Pattern behavior: Replace

Replace string: {String the pattern has to be replaced with}

On successful match: Stop

Target: {Select the one which you created in step 4 and 5}

State: Enabled



Once the configuration is done for that side of the trunk, the endpoints that are registered to destination CUCM/VCS can be called.

Verify

There is currently no verification procedure available for this configuration.

Troubleshoot

There is currently no specific troubleshooting information available for this configuration.