

配置VCS和CUCM之間的區域設定

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簡介

本文檔介紹在影片通訊伺服器(VCS)上配置區域設定，以便與思科統一通訊管理器(CUCM)或其他VCS進行通訊的過程。

必要條件

需求

思科建議您瞭解以下主題：

- VCS
- CUCM

採用元件

本文檔中的資訊基於VCS。

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

設定

要配置區域設定，請執行以下步驟。

步驟1. 登入VCS並形成中繼。

步驟2. 導覽至Configuration > Zones > Zones，如下圖所示：

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 System time: 15:59 IST

Language: en_US S/N: 52A15031 Version: X8.1.1

步驟3.選擇新。

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

步驟4.相應地更改這些欄位：

名稱:{區域名稱}

Type:鄰居

H.323模式:Off

SIP埠:5060 (類似於您在目標CUCM/VCS中提供的埠號)

SIP傳輸:TCP或UDP (如果CUCM支援加密, 則為TLS)

tsbu-blr-vcsx1 - Create zone - Mozilla Firefox
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

步驟5. 選擇**Maintenance**, 將身份驗證策略設定為**Treat as authenticated**, 並提供的目標地址位置 您想要與之形成中繼的。然後, 選擇**建立區域**。

tsbu-blr-vcsx1 - Create zone - Mozilla Firefox
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

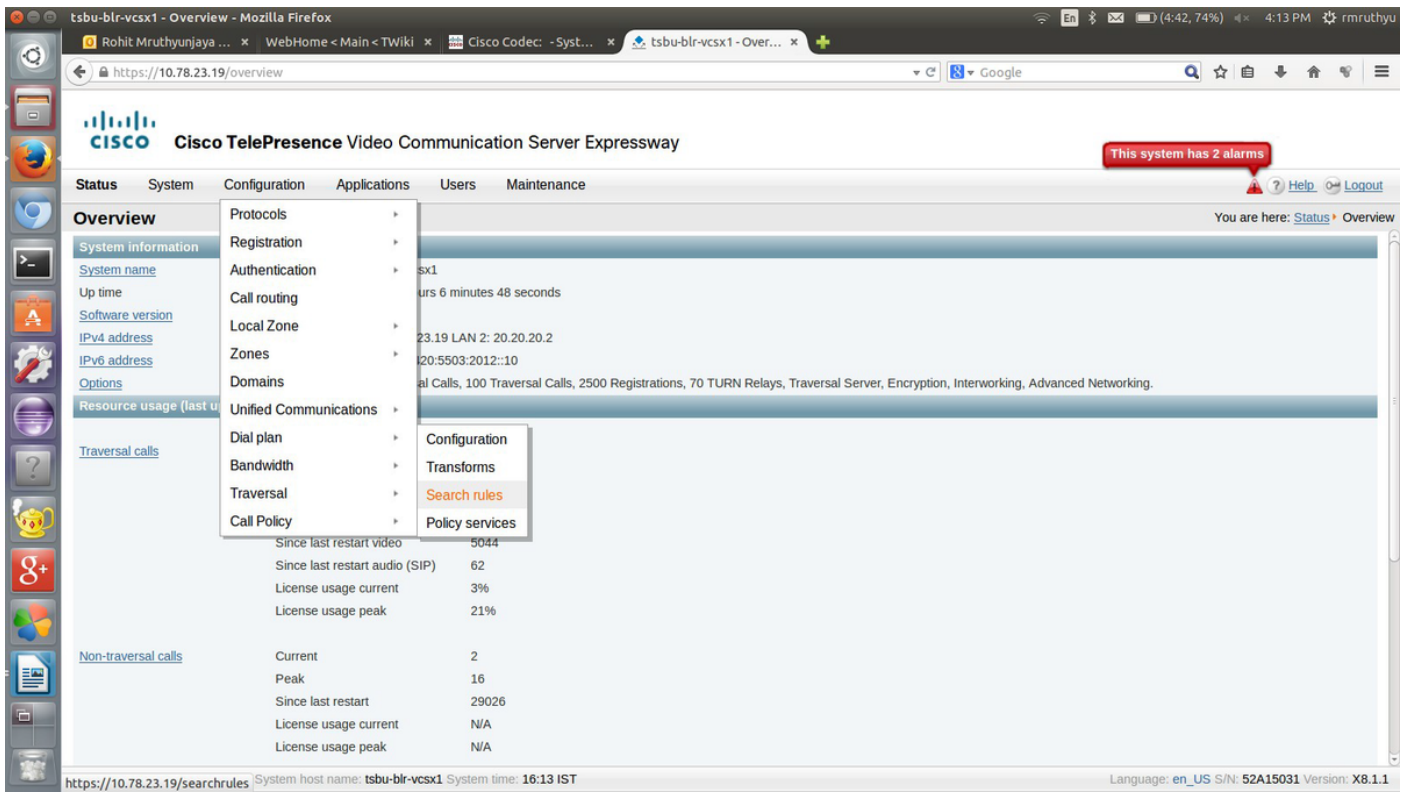
Zone profile: Default

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

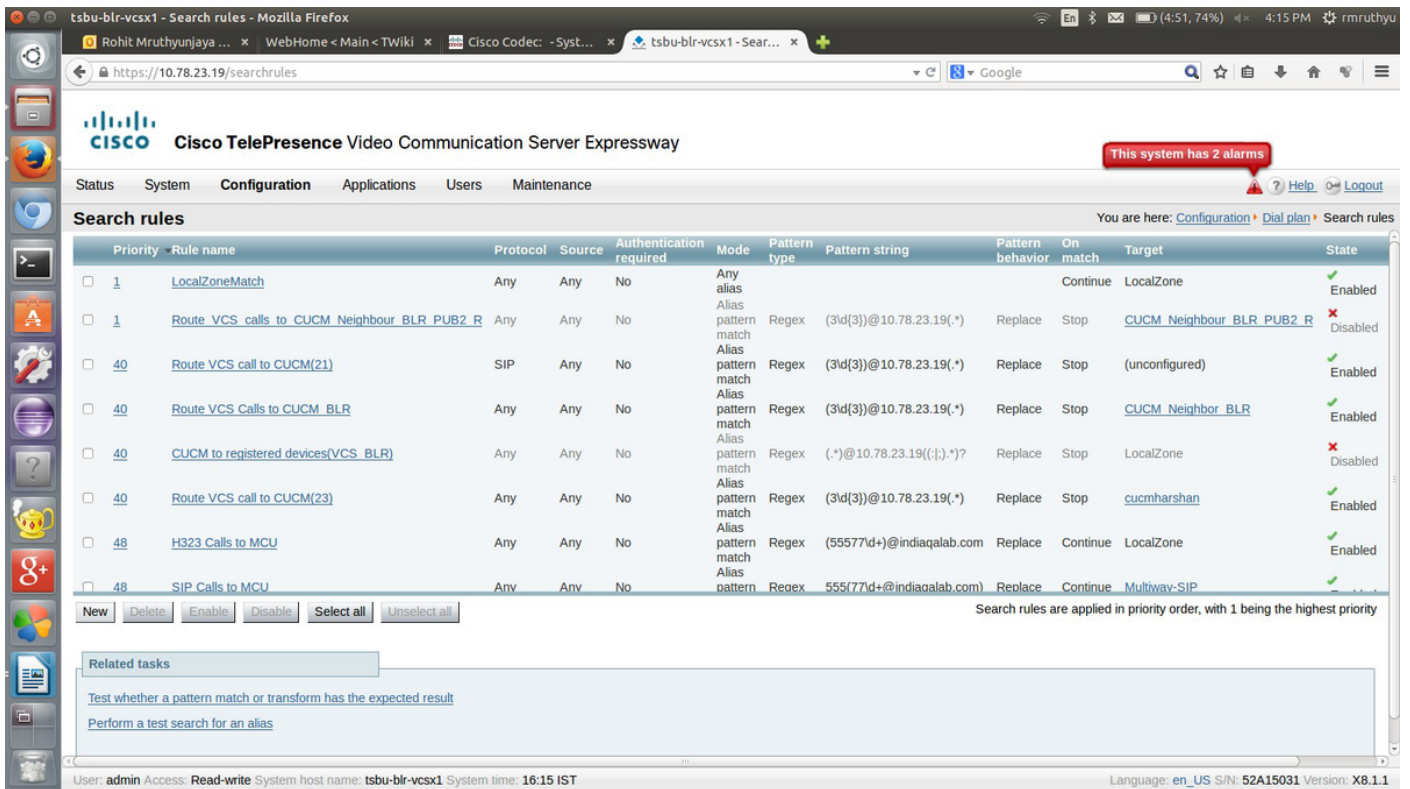
Create zone Cancel

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

步驟6. 導航到**配置>撥號計畫>搜尋規則**。



步驟7. 選擇New.



步驟8. 相應地輸入這些欄位的值，並在完成後選擇儲存。

規則名稱：{名稱}

說明：{說明}

優先順序機制：2

模式：別名模式匹配

模式型別：正規表示式

模式字串：{與目標URI模式匹配的regex模式}

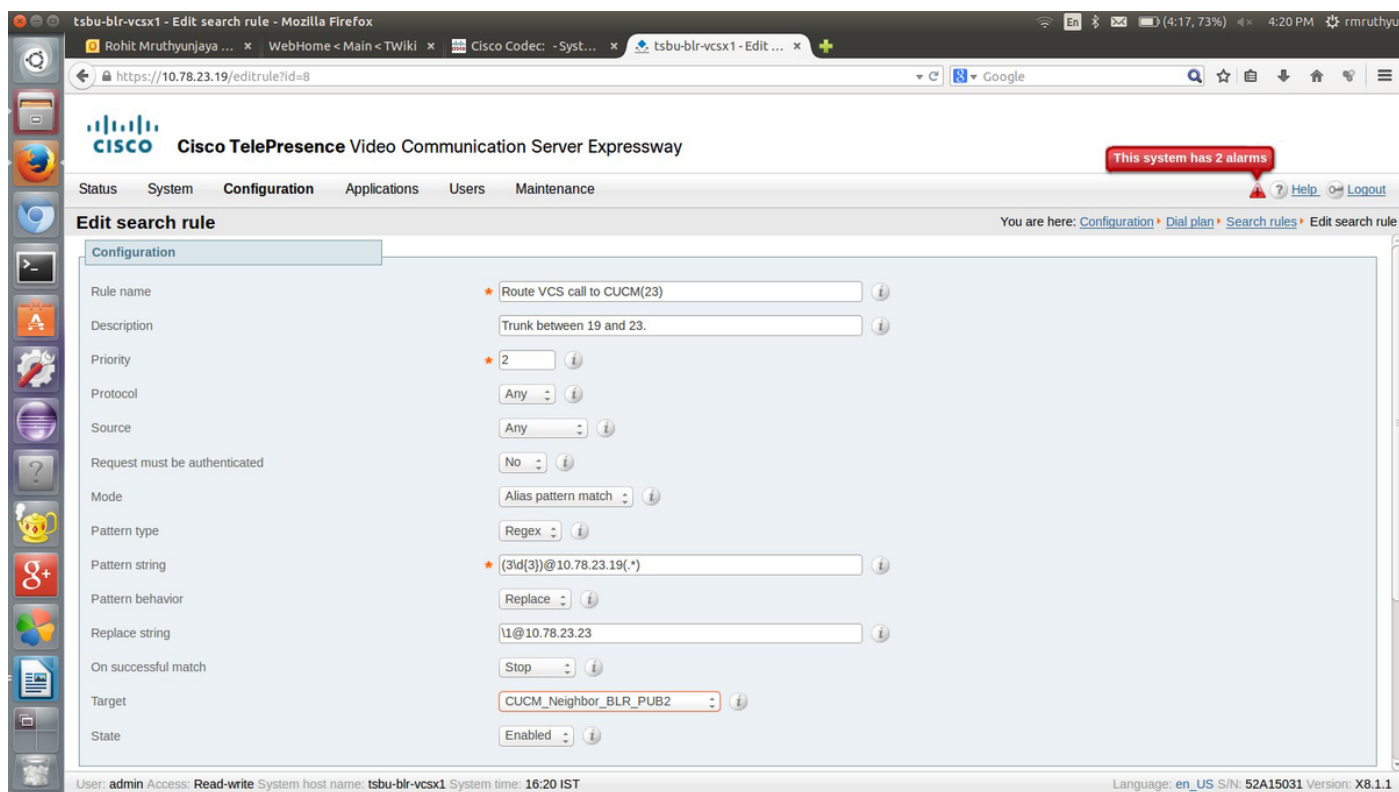
模式行為：替換

替換字串：{必須將模式替換為}的字串

成功匹配時：停止

目標：{選擇您在步驟4和5中建立的路徑}

狀態:已啟用



The screenshot displays the Cisco TelePresence Video Communication Server Expressway configuration page for editing a search rule. 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 notification banner at the top right states "This system has 2 alarms". The navigation menu includes Status, System, Configuration, Applications, Users, and Maintenance. The current page is "Edit search rule", with a breadcrumb trail: Configuration > Dial plan > Search rules > Edit search rule. The configuration form is titled "Configuration" 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 | (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 |

At the bottom of the page, 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", the software version is "52A15031", and the hardware version is "X8.1.1".

一旦為中繼的該端完成配置，即可呼叫註冊到目標CUCM/VCS的終端。

驗證

目前沒有適用於此組態的驗證程序。

疑難排解

目前尚無適用於此組態的具體疑難排解資訊。