

VCSとCUCM間のリージョン設定

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概要

このドキュメントでは、Cisco Unified Communication Manager(CUCM)または別のVCSと通信するために、Video Communication Server(VCS)のリージョン設定(REGION)を設定する手順について説明します。

前提条件

要件

次の項目に関する知識があることが推奨されます。

- VCS
- CUCM

使用するコンポーネント

このドキュメントの情報は、VCSに基づくものです。

このドキュメントの情報は、特定のラボ環境にあるデバイスに基づいて作成されました。このドキュメントで使用するすべてのデバイスは、初期（デフォルト）設定の状態から起動しています。本稼働中のネットワークでは、各コマンドによって起こる可能性がある影響を十分確認してください。

設定

リージョンの設定を行うには、次の手順を実行します。

ステップ1:VCSにログインし、トランクを形成します。

ステップ2：図に示すように、[Configuration] > [Zones] > [Zones] に移動します。

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

Registrations, 70 TURN Relays, Traversal Server, Encryption, Interworking, Advanced Networking.

1

0

13

2

5044

62

5%

21%

4

16

29017

N/A

N/A

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

ステップ3：選択 新規。

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

ステップ4：次のフィールドを適宜変更します。

[Name]：{ゾーン名}

Type:ネイバー

H.323モード:オフ

SIPポート:5060 (宛先CUCM/VCSで指定したポート番号に類似)

SIPトランスポート:TCPまたはUDP (暗号化がCUCMでサポートされている場合はTLS)

The screenshot shows the 'Create zone' configuration page in the Cisco TelePresence Video Communication Server Expressway. The 'Configuration' tab is active. The 'Name' field is set to 'CUCM_Neighbor_BLR_PUB2', 'Type' is 'Neighbor', and 'Hop count' is '15'. The 'H.323' section has 'Mode' set to 'Off'. The 'SIP' section has 'Mode' set to 'On', 'Port' set to '5060', 'Transport' set to 'TCP', 'Accept proxied registrations' set to 'Allow', 'Media encryption mode' set to 'Auto', and 'ICE support' set to 'Off'. A red alarm banner at the top right indicates 'This system has 2 alarms'. The bottom status bar shows 'User: admin Access: Read-write System host name: tsbu-blr-vcsx1 System time: 16:04 IST'.

ステップ 5: [メンテナンス]を選択し、認証ポリシーを[認証済みとして扱う]に設定し、宛先アドレスの場所を指定します トランクを形成します次に、[ゾーン]の作成]を選択します。

The screenshot shows the 'Create zone' configuration page in the Cisco TelePresence Video Communication Server Expressway, with the 'Location' tab selected. The 'Authentication' section has 'Authentication policy' set to 'Treat as authenticated' and 'SIP authentication trust mode' set to 'Off'. The 'Location' section has 'Peer 1 address' set to '10.78.23.23' and five other peer address fields. An 'Information' tooltip is visible on the right, stating: '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'. The 'Advanced' section has 'Zone profile' set to 'Default'. A red alarm banner at the top right indicates 'This system has 2 alarms'. The bottom status bar shows 'User: admin Access: Read-write System host name: tsbu-blr-vcsx1 System time: 16:12 IST'.

ステップ6:[Configuration] > [Dial plan] > [Search rules]に移動します。

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

ステップ7:[New]を選択します。

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 | 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 | 55577ld+@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

ステップ8: 必要に応じてこれらのフィールドの値を入力し、終了したら[Save]を選択してください。

[Rule Name] : {name}

説明:{説明}

Priority:0

Mode (モード) : エイリアスパターン的一致

パターンタイプ (Pattern type) : 正規表現

パターン文字列：{宛先URIパターンに一致する正規表現パターン}

パターン動作 (Pattern behavior) : replace

置換文字列：{パターンを置換する必要がある文字列}

一致に成功した場合：stop

Target:{手順4および5で作成した項目を選択してください}

State :有効

The screenshot shows the Cisco TelePresence Video Communication Server Expressway configuration interface. The page title is "Edit search rule" and the breadcrumb trail is "Configuration > Dial plan > Search rules > Edit search rule". The configuration details for the search rule "Route VCS call to CUCM(23)" 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 | (3d{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" and the version is "X8.1.1".

トランクのその側の設定が完了すると、宛先CUCM/VCSに登録されているエンドポイントを呼び出すことができます。

確認

現在、この設定に使用できる確認手順はありません。

トラブルシューティング

現在、この設定に関する特定のトラブルシューティング情報はありません。