從使用VCS/Expressway註冊到CUCM的終端撥打 IP地址配置示例

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簡介

本文檔介紹如何通過思科影片通訊伺服器(VCS)或Cisco Expressway作為解決方案,從註冊到Cisco Unified Communications Manager(CUCM)的終端撥打IP地址。

必要條件

需求

思科建議您瞭解以下主題:

- Cisco VCS/Expressway上的相鄰區域
- 在Cisco VCS/Expressway上轉換和搜尋規則
- CUCM上的會話發起協定(SIP)路由模式和SIP中繼

附註:本文檔假定從VCS Control / Expressway-C到VCS Expressway / Expressway-E的遍歷 區域處於活動狀態,並且在VCS / Expressway上安裝互通金鑰。

採用元件

本文中的資訊係根據以下軟體和硬體版本:

• Cisco VCS x8.1及更高版本

• CUCM版本9及更高版本

附註:同一文檔可用於Expressway系列部署。

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。如果您的網路正在作用,請確保您已瞭解任何指令可能造成的影響。

背景

CUCM不支援IP地址撥號。如果要使用IP地址撥號,Cisco建議採取本文所述的兩種方法之一。例如 ,註冊到CUCM的終端通過IP地址撥打H.323終端。

選項1

- 為IP地址新增字尾,以便字串與SIP統一資源識別符號(URI)相似。
- •例如,要撥打IP地址198.51.100.2,使用者將撥打198.51.100.2@domain。
- 管理員必須教育使用者撥打<IP地址>@domain。此域可以是公司內部域或虛擬域。本文檔基於 對VCS域的使用。

選項2

- •用符號替換點,以便將IP地址轉換為字串。
- •例如,要撥打IP地址198.51.100.2,使用者將撥打198*51*100*2。

附註:在兩個選項中,Expressway-E嘗試使用H.323協定呼叫IP地址。如果目標終端不支援 H.323,則必須啟用SIP UDP。否則,請禁用SIP UDP。

附註:選項2可用於IP電話,或者從使用Tandberg Codec(TC)軟體的終端的CLI或Web GUI進 行撥號時。當您嘗試使用觸控面板或遙控器撥打*時,這可能不起作用,因為*會自動轉換為。 當您使用這些選項進行撥號時。

組態

附註:此組態適用於前述的兩個選項。

CUCM配置

在CUCM上,管理員必須在埠5060上為VCS配置SIP中繼安全配置檔案(這假設5060是VCS上通過 TCP向CUCM使用的埠)。

附註:如果將連線埠5060/5061用於行動與遠端存取(MRA),則對SIP中繼線安全設定檔使用 不同的TCP連線埠(例如5075)。

在CUCM上選擇System > Security > SIP Trunk Security Profile,然後按一下Add New。

| adada Cisco Unified CM Administration | n Navigation Cisco Unified CM Administration 🗧 G | 0 |
|---|---|----------|
| CISCO For Cisco Unified Communications Solutions | admin Search Documentation About Logo | ut |
| System * Call Routing * Media Resources * Advanced Features * | ▼ Device ▼ Application ▼ User Management ▼ Bulk Administration ▼ Help ▼ | |
| Find and List SIP Trunk Security Profiles | | |
| Add New | | |
| Status | | _ |
| (i) 0 records found | | |
| STD Trunk Security Broßie | Bour or Boo 50 | |
| SIF Trank security Frome | Kows per rage_50 + | <u> </u> |
| Find SIP Trunk Security Profile where Name begins with | th 🗧 Find Clear Filter 🕂 🛥 | |
| No active query. Ple | lease enter your search criteria using the options above. | |
| Add New | | |

建立SIP中繼安全配置檔案,如以下螢幕截圖所示。

| Cisco Unified CM | Administration | Navigation C | sco Unified CM Administration | About Logout |
|--|------------------------------------|---------------------------------------|-------------------------------|-------------------|
| System - Call Routing - Media Resource | es · Advanced Features · Device | Application - Use | Management 👻 Bulk Admini | stration - Help - |
| SIP Trunk Security Profile Configura | ation | Rela | ted Links: Back To Find | /List ‡ Go |
| 🔚 Save 🗙 Delete 📄 Copy 省 F | Reset 🧷 Apply Config 🕂 Add Ner | w | | |
| Status | | | | |
| i Status: Ready | | | | |
| SIP Trunk Security Profile Informati | on | | | |
| Name* | Non Secure SIP Trunk Profile For V | /CS | | |
| Description | Non Secure SIP Trunk Profile auth | enticated by null S | | |
| Device Security Mode | Non Secure | * | | |
| Incoming Transport Type* | TCP+UDP | \$] | | |
| Outgoing Transport Type | ТСР | \$] | | |
| Enable Digest Authentication | | | | |
| Nonce Validity Time (mins)* | 600 | | | |
| X.509 Subject Name | | | | |
| Incoming Port* | 5060 | | | |
| Enable Application level authorization | 1 | | | |
| Accept presence subscription | | | | |
| Accept out-of-dialog refer** | | | | |
| Accept unsolicited notification | | | | |
| Accept replaces header | | | | |
| Transmit security status | | | | |
| Allow charging header | | | | |
| SIP V.150 Outbound SDP Offer Filtering | Use Default Filter | * | | |
| Save Delete Copy Reset | Apply Config Add New | | | |

在CUCM上,向VCS Control/Expressway-C新增一個SIP中繼。

選擇Device > Trunk,然後按一下Add New。

| ahaha | Cisco Unified CM | Administration | | | | | | Navi | igation Cis | to Unified CM Ad | ministration | ÷ 60 |
|------------|-------------------------------|-------------------------|------------|-------------------|---------------------------|-------------------------|--------|--------|-------------|------------------|--------------|--------|
| cisco | For Cisco Unified Community | ations Solutions | | | | | | ucmapp | Search | ocumentation | About | Logout |
| System 👻 | Cell Routing 👻 Media Resource | a 👻 Advanced Features 👻 | Device + | Application + | User Management 👻 | Bulk Administration 🔻 | Help 🔻 | | | | | |
| Find and I | List Trunks | | | | | | | | | | | |
| 🚽 Add N | PAG . | | | | | | | | | | | |
| _ | | | | | | | | | | | | |
| Trunks | | | | | | | | | | | | |
| Find Trunk | s where Device Name | > begins with | Select Its | em or enter sear | Find Clear Filter | + = | | | | | | |
| | | | No active | query. Please ent | er your search onteria us | sing the options above. | | | | | | |
| Add Nev | | | | | | | | | | | | |

這些中繼設定取決於設計。

| | reatures + Device + Application + User Watagement + | Bulk Administration + Help + | |
|---|---|------------------------------|---|
| Trunk Configuration | | | Related Links: Back To Find/List + Go |
| Sere | | | |
| Status Status: Ready | | | |
| - Device Information | | | |
| Product: | SIP Trunk | | |
| Device Protocol: | SIP | | |
| Trunk Service Type | None(Default) | | |
| Device Name ^a | VCS_trunk | | |
| Description | Trunk to VCS-Control | | |
| Device Pool * | Default | + | |
| Common Device Configuration | < None > | + | |
| Call Classification * | Use System Default | + | |
| Nedla Resource Group List | < None > | + | |
| Location ^a | Hub_None | + | |
| AAR Group | < None > | + | |
| Tunneled Protocol [®] | None | + | |
| QSIG Variant* | No Changes | + | |
| ASN.1 ROSE OID Encoding [®] | No Changes | + | |
| Packet Capture Mode* | None | ; | |
| Packet Capture Duration | 0 | | |
| Media Termination Point Required | - | | |
| 0 | | | |
| SIP Information | | | |
| | | | |
| Destination | | | |
| Destination Destination Address is an SRV | | | |
| Destination Destination Address is an SRV Destination Address | Destination Address (Bud Destination Bact | Status Sta | as Reson Duration |
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| Destination Destination Destination Address 1* 10.106.93.178 MTP Preferred Originating Codec* 213.08.w BLF Presence Group* Standard Presence group BLF Trunk Security Wolfe* Non Secure SIP Trunk Rerouting Calling Search Space < None > SupSofutBE Calling Search Space < None > SupSofutBE Calling Search Space < None > | Destination Address (Pod Destination Red S060 | Status Ra LD | tae Reason Deration Time Up: 0 day 0 hour 20 minutes 📧 💷 |
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VCS控制配置

在VCS Control/Expressway-C上建立一個指向CUCM的鄰居區域。

選擇Configuration > Zones > Zones,然後按一下New以新增區域。

| Status | System | Configuration | Applications | Users | Maintenance | | | | 20 |
|-------------------------------------|-----------------------|-------------------------------|----------------|---------------------|--------------|-------------|------------|-----------------------|---|
| ones | | | | | | | | You are here: C | onfiguration + Zones + Zor |
| _ | Name 🔻 | Туре | Calls | Bandw | ldth used | H323 status | SIP status | Search rule status | Actions |
| | DefaultZone | Default zone | 0 | 0 kbps | | On | On | | View/Edit |
| New 些[| | adad <u>Anadada</u> 2取決於設計 | | | | | | | |
| cisco | Cisco Tele | Presence Video C | ommunication S | erver Contro | 4 | | | | 200 |
| nus mata a | System Certi | guration Application | s Users Mai | renance | | | | Maximum Baser Configu | Help. Or Loss Trans I. Zones I. Courts |
| Configur | ation | | | | | | | tor all the course | AMEL - 2010 - 2010 - 64000 |
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| eer 2 ac | idress | | | | | | | | |
| | dress | | | | | 10 | | | |
| leer 3 ac | idress. | | i i | | | 10 | | | |
| aer 3 ac | | | | | | | | | |
| hear 3 ac Poer 4 oc Poer 6 ac | idress | | | | | | | | |
| ber 3 ac ber 4 ac ber 6 ac | idress Idress | | | | | .0 | | | |

Create zone Cancel

確保VCS Control / Expressway-C上的**Calls to unknown IP addresses**引數設定為**Indirect**。為此 ,請選擇**Configuration > Dial Plan > Configuration**。 CISCO Cisco TelePresence Video Communication Server Control

| Status | System | | Configuration | Applications | Users | Maintenand | a 🤋 Hela 😁 | Logout |
|--------|-----------|--------|---------------|--------------|----------|------------|--|------------|
| Dial p | lan con | figur | ation | | | | You are here: Configuration > Dial plan > Dial plan > Configuration > Dial plan > Dial pla | liguration |
| Confi | guration | | | | | | | |
| Calls | o unknown | P addr | esses | | Indirect | : 0 | | |
| Falbe | ck alias | | | | | | 0 | |
| | | | | | | | | |

Save

VCS Expressway配置

在Calls to unknown IP addresses下拉選單中,在VCS Expressway/Expressway-E上選擇**Direct**。 VCS Expressway/Expressway-E上不需要搜尋規則來路由基於IP的呼叫。

CISCO Cisco TelePresence Video Communication Server Expressway

| Status | System | Configuration | Applications | Users | Mainter | nance 🧃 Help. 😔 Logou | 8 |
|----------|---------------|---------------|--------------|--------|---------|---|-----|
| Dial pl | an config | uration | | | | You are here: Configuration + Dial plan + Configuration | ion |
| Config | uration | | | | | | |
| Calls to | unknown IP as | idresses | (| Direct | ۲ (۱ | | |
| Fallbac | k alias | | | | | ⁽¹⁾ | |

選項1 — 向IP地址新增字尾

在CUCM上,新增SIP路由模式以將字尾為vcs.domain的呼叫傳送到VCS控制/Expressway-C中繼。

選擇Call Routing > SIP Route Pattern,然後按一下Add New。

| abab | Cisco | Unifie | d CM A | Iministra | ation | | Navigation Cisco Unified CM Administration 🗘 | | | | | | |
|------------|---|-----------|-------------|---------------|----------|----------|--|-------|--------------|-----------|---------------|--------|--|
| cisco | For Cisco | Unified C | communicati | ons Solutions | | | а | dmin | Search Docu | mentation | About | Logout | |
| System - | Call Routing | 👻 Media | Resources + | Advanced Fea | itures 👻 | Device 👻 | Application | ד Use | r Management | Bulk Admi | inistration 👻 | Help 👻 | |
| Find and I | ind and List SIP Route Patterns | | | | | | | | | | | | |
| 🕂 Add Ne | Add New | | | | | | | | | | | | |
| Status | Status | | | | | | | | | | | | |
| (i) 0 rec | ords found | | | | | | | | | | | | |
| SIP Rou | te Pattern | | | | | | | | | Rows | per Page | 50 : | |
| Find SIP R | oute Pattern | where I | Pv4 Pattern | t) begins | with | • | | Fir | Clear Filt | er 🔶 | - | | |
| | No active query. Please enter your search criteria using the options above. | | | | | | | | | | | | |
| Add New | Add New | | | | | | | | | | | | |

如下所示設定SIP路由模式設定。

IPV4模式:vcs.domain

| alada Cisco | Unified CM Adminis | tration | Navigation Cisco Unified CM Administration + | | | | | | | | | |
|-------------------------|--|---------------------|--|----------------------------|---------------------|------|--|--|--|--|--|--|
| CISCO For Cisco | Unified Communications Solution | ons | admin | Search Documentation | About Lo | gout | | | | | | |
| System - Call Routing | Media Resources - Advanced | Features - Device - | Application - | User Management 👻 Bulk Adr | ninistration 👻 Help | • | | | | | | |
| SIP Route Pattern Co | onfiguration | | | Related Links: Back T | o Find/List 📫 | Go | | | | | | |
| Save | | | | | | | | | | | | |
| Status | | | | | | | | | | | | |
| i Status: Ready | | | | | | | | | | | | |
| Pattern Definition | | | | | | | | | | | | |
| Pattern Usage* | Domain Routing | \$) | ٦ | | | | | | | | | |
| IPv4 Pattern* | vcs.domain | | | | | | | | | | | |
| IPv6 Pattern | | | | | | | | | | | | |
| Description | | | | | | | | | | | | |
| Route Partition | < None > | *) | | | | | | | | | | |
| SIP Trunk/Route List* | VCS_trunk | \$) | (Edit) | | | | | | | | | |
| Block Pattern | | | | | | | | | | | | |
| Calling Party Transfe | ermations | | | | | | | | | | | |
| Use Calling Party's | External Phone Mask | | | | | | | | | | | |
| Calling Party Transform | nation Mask | | | | | | | | | | | |
| Prefix Digits (Outgoing | Calls) | | | | | | | | | | | |
| Calling Line ID Present | ation* Default | | \$ | | | | | | | | | |
| Calling Line Name Pres | entation* Default | | : | | | | | | | | | |
| Connected Party Tra | nsformations | | | | | | | | | | | |
| Connected Line ID Pres | sentation* Default | | \$ | | | | | | | | | |
| Connected Line Name | Presentation * Default | | \$ | | | | | | | | | |
| Save | | | | | | | | | | | | |

在VCS Control / Expressway-C上,當撥打IP地址時,轉換別名的條帶域部分。

選擇Configuration > Dial Plan > Transforms,然後按一下New。

| i, | lialia isco | Cisco Tel | lePresen | ce Video Con | nmunica | tion Ser | rver Co | ntrol | | | | |
|------|----------------|-----------|------------|---------------------|----------|----------|---------|-------|--------------------|--------------------------------|------------------|--------------|
| Stat | us Syste | em Con | figuration | Applications | Users | Mainte | enance | | | | | 20 |
| Tra | nsforms | | | | | | | | | You are here: Configuration | on• Dial plan• | Transforms |
| | Priority | • S | tato | Description | | Pattern | | Туре | Behavior | Replace | Actions | _ |
| Ne | w Delete | Enable | Disable | Select all Unsel | lect all | | | | Transforms are app | lied in priority order, with 1 | l being the high | est priority |

建立如下所示的轉換。

模式字串:(.*)\.(.*)\.(.*)\.(.*)@vcs.domain

替換字串:\1.\2.\3.\4

CISCO Cisco TelePresence Video Communication Server Control

| s | latus | System | Configuration | Applications | Users | Maintenance | | (7) Help. Constant |
|---|-------------|----------|---------------|--------------|-----------------|---------------------------------------|---|---|
| С | reate t | ransform | n | | | | | You are here: Configuration > Dial plan > Transforms > Create transform |
| | Configura | ation | | | | | | |
| | Priority | | | | 1 | | | |
| | Descriptio | n | | | Tmasform | to strip domain from ip-address calls | | Ð |
| | Pattern typ | ре | | | Regex | • () | | |
| | Pattern str | ring | | | • (.*)\.(.*)\.(| *).(.*)@vcs.domain | ۲ | |
| | Patiern be | shavior | | | Replace | • (i) | | |
| | Replace s | tring | | | \1.\2.\3\.\4 | 1 | ۲ | |
| 1 | State | | | | Enabled | • | | |
| | | | | | | | | |

Create transform Cancel

在VCS Control / Expressway-C上,需要當撥打IP地址時將呼叫傳送到VCS Expressway / Expressway-E的搜尋規則。

選擇Configuration > Dial Plan > Search Rules,然後按一下New。

| CISCO Cisco TelePresence Video Communication Server Control | | | | | | | | | | | | | | |
|---|----------|----------------|----------|--------|----------------|------------|-----------|--------------|----------------|------------------|---------------|-----------------|-----------------------------|------------------------|
| Status System Configuration Applications Users Maintenance (2) Help Or Logout | | | | | | | | | | | | | | |
| Searc | h rule | 5 | | | | | | | | | You a | re here: Conf | Iguration • Dia | il plan • Search rules |
| | Priority | Rule name | Protocol | Source | Authentication | h required | Mode | Pattern type | Pattern string | Pattern behavior | On match | Target | State | Actions |
| 0 | 50 | LocalZoneMatch | Any | Any | No | | Any alias | | | | Continue | LocaiZone | Enabled | View/Edit Clone |
| New | Delete | Enable Disab | le Selec | tal Ur | select all | | | | | Search rules | are applied i | n priority orde | er, with 1 being | the highest priority |

針對VCS Expressway/Expressway-E建立此搜尋規則。

| CISCO Cisco TelePresence Video Com | munication Server Control | |
|--|-----------------------------|---|
| Status System Configuration Applications | Users Maintenance | 2 Help. 😔 Lagout |
| Edit search rule | | You are here: Configuration + Dial plan + Search rules + Edit search rule |
| Configuration | | |
| Rule name | Dial IP Address search rule | |
| Description | | |
| Priority | • 10 (1) | |
| Protocol | Any 🗧 👔 | |
| Source | Any : | |
| Request must be authenticated | No : | |
| Mode | Any IP address 📫 👔 | |
| On successful match | Stop 🔹 👔 | |
| Target | Traversal Client zone B2B | |
| State | Enabled ; | |

Save Delete Cancel

選項2 — 將IP地址轉換為字串

在CUCM上新增路由模式以傳送帶有模式的!*!*!*!話到VCS控制/Expressway-C中繼。

選擇Call Routing > Route/Hunt > Route Pattern,然後按一下Add New。

| ahaha | Cisco U | nified CM A | dministration | | | | Na | vigation | Cisc | o Unified CM Administ | ration | | : Go |
|---|-----------------|-------------------|---|----------|---------------|-------------------|---------------------|----------|------|-----------------------|--------|---------|--------|
| | For Cisco U | nified Communicat | ions Solutions | | | | | admin | 1 8 | Search Documentatio | n | About | Logout |
| System + | Cell Routing + | Media Resources | Advanced Features + | Device + | Application + | User Management 👻 | Bulk Administration | 👻 Help | - | | | | |
| Find and | List Route Pa | tterns | | | | | | | | | | | |
| 🕂 Add N | Add New | | | | | | | | | | | | |
| -Status - | | | | | | | | | | | | | |
| (i) 0 rec | O records found | | | | | | | | | | | | |
| Route P | atterns | | | | | | | | | Roy | vs po | er Page | io :) |
| Find Route | Patterns when | e Pattern | t begins with | 1 | | Find Clear Filter | - 4 | | | | | | |
| No active query. Please enter your search criteria using the options above. | | | | | | | | | | | | | |
| Add Nex | N . | | | | | | | | | | | | |

新增新的路由模式,如下所示。

路由模式:!*!*!*!

| alialia Cisco Unified | CM Adr | ministration | | Navigation | Cisco Unified CM Administratio | n | ÷ Go |
|---------------------------------------|-------------|--|--------------------------------|----------------------|--------------------------------|-------------|-------------|
| CISCO For Cisco Unified Com | munication | s Solutions | | admin | Search Documentation | About | Logout |
| System - Call Routing - Media Res | sources 👻 | Advanced Features + Device + Application + Use | Management 👻 Bulk Administrati | on v Help | · • | | |
| Route Pattern Configuration | | | | | Related Links: Back To | Find/List 🗧 | : <u>Go</u> |
| Save | | | | | | | |
| Status | | | | | | | |
| (i) Status: Ready | | | | | | | |
| -Pattern Definition | | | | | | | |
| Route Pattern * | | (elelel | | | | | |
| Route Partition | (| < None > | : | | | | |
| Description | [| | | | | | |
| Numbering Plan | ĺ | Not Selected | ÷ | | | | |
| Route Filter | | < None > | 1 | | | | |
| NLPP Precedence* | (| Default | 0 | | | | |
| Apply Call Blocking Percentage | | | | | | | |
| Resource Priority Namespace Netwo | rk Domain (| < None > | ŧ | | | | |
| Route Class* | (| Default | ÷ | | | | |
| Gateway/Route List* | | VCS_trunk | : (Edit) | | | | |
| Route Option | | Route this pattern | | | | | |
| | | Block this pattern No Error | ÷ | | | | |
| Call Classification* | OffNet | + | | | | | |
| External Call Control Profile | « None > | \$ | | | | | |
| Allow Device Override S Provid | e Outside D | tal Tone 🔄 Allow Overlap Sending 🔄 Urgent Priority | | | | | |
| Require Forced Authorization Contents | de | | | | | | |
| Authorization Level* 0 | | | | | | | |
| Require Client Matter Code | | | | | | | |

附註:!*!*!可能會導致處理其他路由模式時延遲,因此使用此模式時需要小心。較好的方法 是將此路由模式放入單獨的分割槽,並且僅允許需要撥號IP地址的終端訪問此分割槽。

在VCS Control / Expressway-C上,您需要將別名由「*」修改為「」。 當撥打IP地址時。

選擇Configuration > Dial Plan > Transforms,然後點選New。

CISCO Cisco TelePresence Video Communication Server Control

| Status | System | Configuration | Applications | Users | Maintenance | | | | 20 | 9 |
|--------|------------|---------------|-------------------|---------|-------------|------|-----------------------|----------------------------|----------------------------|----|
| Trans | forms | | | | | | Y | ou are here: Configurat | ion • Dial plan • Transfor | ms |
| _ | Priority 👻 | State | Description | | Pattern | Туре | Behavior | Replace | Actions | |
| New | Delete | able Disable | Select all Unsele | ect all | | | Transforms are applie | ed in priority order, with | 1 being the highest prior | ty |

建立如下所示的轉換。

模式字串:(\d\d?\d?)(*)(\d\d?\d?)(*)(\d\d?\d?)(*)(\d\d?\d?)(.*)

替換字串:\1.\3.\5.\7

ululu cisco

| CISCO Cisco TelePresence Video Communication Server Control | | | | | | | |
|---|---|--|--|--|--|--|--|
| Status System Configuration App | lications Users Maintenance ? 0 | | | | | | |
| Create transform | You are here: Configuration • Dial plan • Transforms • Create transform | | | | | | |
| Configuration | | | | | | | |
| Priority | 1 | | | | | | |
| Description | Transform to modify * to . for ip-address dialing. | | | | | | |
| Pattern type | Regex : () | | | | | | |
| Pattern string | * (\d\d?\d?)(*)(\d\d?\d?)(*)(\d\d?\d?)(*)(\d\d?\d?)(.*) (\d\d?\d?)(.*) | | | | | | |
| Pattern behavior | Replace : i | | | | | | |
| Replace string | 111.131.151.17 | | | | | | |
| State | Enabled : (i) | | | | | | |
| | | | | | | | |

Create transform Cancel

在VCS Control / Expressway-C上,需要當撥打IP地址時將呼叫傳送到VCS Expressway / Expressway-E的搜尋規則。

選擇Configuration > Dial Plan > Search Rules,然後按一下New。

CISCO Cisco TelePresence Video Communication Server Control

| Status | Syste | em Configur | ation | Application | ons Users | Mainte | nance | | | | | | 3 | Help. 🖂 Logout |
|--------|--|----------------|----------|-------------|---------------|-------------|-----------|--------------|------------------------|------------------|---------------|----------------------|-----------------------------|------------------------|
| Searc | Search rules You are here: Configuration + Dial plan + Search rule | | | | | | | | il plan • Search rules | | | | | |
| | Priority | Rule name | Protocol | Source | Authenticatio | berluper no | Mode | Pattern type | Pattern string | Pattern behavior | On match | Target | State | Actions |
| | 50 | LocalZoneMatch | Any | Any | No | | Any alias | | | | Continue | Loca ^{Zone} | Enabled | View/Edit Clone |
| New | Delete | Enable Disab | le Sele | ct al 🛛 U | nselect all | | | | | Search rules | are applied i | n priority orde | ar, with 1 being | g the highest priority |

針對VCS Expressway/Expressway-E建立此搜尋規則。

| սիսիս | |
|-------|---|
| CISCO | Cisco TelePresence Video Communication Server Control |

| Status | System | Configuration | Applications | Users Maintenance | ? Help. In Logout |
|----------|------------------|---------------|--------------|-------------------------------|---|
| Edit s | earch rule | | | | You are here: Configuration + Dial plan + Search rules + Edit search rule |
| Config | guration | | | | |
| Rule n | ame | | | * Dial IP Address search rule | |
| Descri | iption | | | (| |
| Priority | Y | | | * 10 (j) | |
| Protoc | ol | | | Any 🗘 👔 | |
| Source | 0 | | | Any : | |
| Reque | st must be authe | enticated | | No : | |
| Mode | | | | Any IP address 📫 | |
| On su | coessful match | | | Stop 🗧 i | |
| Target | | | | Traversal Client zone B2B | |
| State | | | | Enabled + | |
| | | | | | |

| Save | Delete | Cancel |
|------|--------|--------|
| | | |

附註:如果啟用SIP UDP模式,則VCS Expressway/Expressway-E首先將SIP呼叫作為本地呼 叫發起。如果目的裝置不響應SIP邀請,VCS Expressway/Expressway-E將繼續運行SIP UDP呼叫,直到標準呼叫協商超時(約32秒)。 然後回退到H.323互通呼叫作為設計行為。

驗證

使用本節內容,確認您的組態是否正常運作。

完成上述步驟後,以字串形式撥打IP地址,或撥打附加了域的IP地址(這取決於您選擇的配置選項),並檢視對遠端的呼叫是否有效。

疑難排解

本節提供的資訊可用於對組態進行疑難排解。

從CUCM收集詳細的系統診斷介面/訊號分佈層(SDI/SDL)日誌,從VCS-Control / Expressway-C和 VCS-Expressway / Expressway-E收集「調試級別」診斷日誌。如果在完成前面的配置步驟後呼叫 無法工作,請將這些日誌提供給思科技術支援中心(TAC)進行分析。