

呼叫从CUCM到VCS的Expressway DNS区发送对错误IP地址

目录

[简介](#)

[问题](#)

[解决方案](#)

[相关信息](#)

简介

在终端在Cisco Unified Communications Manager (CUCM)注册的部署，并且呼叫通过视频通信服务器(VCS)路由，公司间呼叫或呼叫对一个不同的域也许不适当地路由。

本文描述发送召集问题对一个错误的目的地址如何能发生，以及问题如何可以是解决的，如果从邀请剥离端口。

Cisco 建议您了解以下主题：

- Cisco Unified Communications Manager
- 域名系统(DNS)区域

问题

在本例中，呼叫流是从在CUCM集群注册的终端的一呼出呼叫对VCS的Expressway DNS区：

有一个邻接区域配置在VCS控制和CUCM集群之间和穿越区域配置在VCS控制和VCS Expressway之间。当CUCM发送在会话初始化协议(SIP)中继时的一召集，添加端口号到统一资源识别符(URI)：

```
Module="network.sip" Level="DEBUG": Src-ip="10.48.79.189" Src-port="25018"
```

```
SIPMSG:
```

```
|INVITE sip:user@company.com:5060 SIP/2.0
```

VCS控制有发送呼叫对VCS Expressway的一个搜索规则。VCS Expressway配置，因此搜索规则发送此呼叫到DNS区。如果没有在URI的修改，VCS Expressway执行A类记录查找：

```
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
```

```
Name="company.com" Type="A and AAAA"
```

```
Module="network.dns" Level="DEBUG": Detail="Resolved hostname to:
```

```
['IPv4','TCP','10.10.10.10'] (A/AAAA) Number of relevant records
```

```
retrieved: 1"
```

VCS Expressway也执行域的DNS服务器(SRV)查找：

```
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sips._tcp.company.com" Type="SRV (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Resolved hostname to:
['IPv4'TCP'10.10.10.10:5061'] (A/AAAA) Number of relevant records
retrieved: 1"
```

当邀请发送时，使用A类记录查找的结果：

```
Event="Request Sent" Service="SIP" Src-ip="10.48.79.123" Src-port="5060"
Dst-ip="10.10.10.10" Dst-port="5060"
Call-serial-number="617a2b3a-407b-11e3-882a-000c291377f3"
Tag="617331f4-407b-11e3-b012-000c29f5e10e" Protocol="UDP"
Method="INVITE" Request-URI="sip:user@company.com:5060"
To="sip:user@10.48.79.189" Level="2" UTCTime="2013-10-29 09:20:41,210"
```

这不是所需的行为，因为地址不是那VCS Expressway，主机www.company.com的，但是Web服务器。

解决方案

请使用转换规定在VCS控制或VCS Expressway为了从邀请剥离端口。这允许VCS Expressway使用Naming Authority Pointer (NAPTR)和SRV查找。

关于示例如何剥离端口，请参阅“启用在Unified CM注册的终端称终端注册在关于[思科网真Cisco Unified Communications Manager的页24的VCS](#)”部分[用Cisco VCS \(SIP中继\)部署指南](#)。

一旦剥离端口，VCS Expressway执行NAPTR和SRV查找：

```
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="company.com" Type="NAPTR (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Could not resolve hostname"
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sips._tcp.company.com" Type="SRV (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Resolved hostname to:
['IPv4'TCP'10.10.10.20:5061'] (A/AAAA) Number of relevant records
retrieved: 1"
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sip._tcp.company.com" Type="SRV (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Resolved hostname to:
['IPv4'TCP'10.10.10.20:5060'] (A/AAAA) Number of relevant records
retrieved: 1"
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sip._udp.company.com" Type="SRV (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Could not resolve hostname"
```

VCS Expressway使用从SRV的结果(而不是A类记录查找)为了建立呼叫。这是所需的行为，并且呼叫成功：

```
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="company.com" Type="NAPTR (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Could not resolve hostname"
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sips._tcp.company.com" Type="SRV (IPv4 and IPv6)"
```

```
Module="network.dns" Level="DEBUG": Detail="Resolved hostname to:
['IPv4','TCP','10.10.10.20:5061'] (A/AAAA) Number of relevant records
retrieved: 1"
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sip._tcp.company.com" Type="SRV (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Resolved hostname to:
['IPv4','TCP','10.10.10.20:5060'] (A/AAAA) Number of relevant records
retrieved: 1"
Module="network.dns" Level="DEBUG": Detail="Sending DNS query"
Name="_sip._udp.company.com" Type="SRV (IPv4 and IPv6)"
Module="network.dns" Level="DEBUG": Detail="Could not resolve hostname"
```

相关信息

- [思科网真Cisco Unified Communications Manager用Cisco VCS \(SIP中继\)部署指南](#)
- [思科网真视频通信服务器基本配置\(有Expressway的控制\)部署指南](#)
- [思科网真视频通信服务器管理员指南](#)
- [技术支持和文档 - Cisco Systems](#)