

思科 Meeting Server (Acano)/TMS 集成和计划 API 指南

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简介

本文档介绍 CMS 2.0 (Acano) 服务器如何作为受管资源与 TMS (15.3) 集成和通信。

先决条件

要求

Cisco 建议您了解以下主题：

- 对 TMS (思科 TelePresence Management Suite) 的基本了解
- CMS (思科 Meeting Server , 前身为 Acano) 的概念

使用的组件

本文档中的信息基于以下软件和硬件版本：

- TMS 15.3 或更高版本
- CMS 2.0 或更高版本

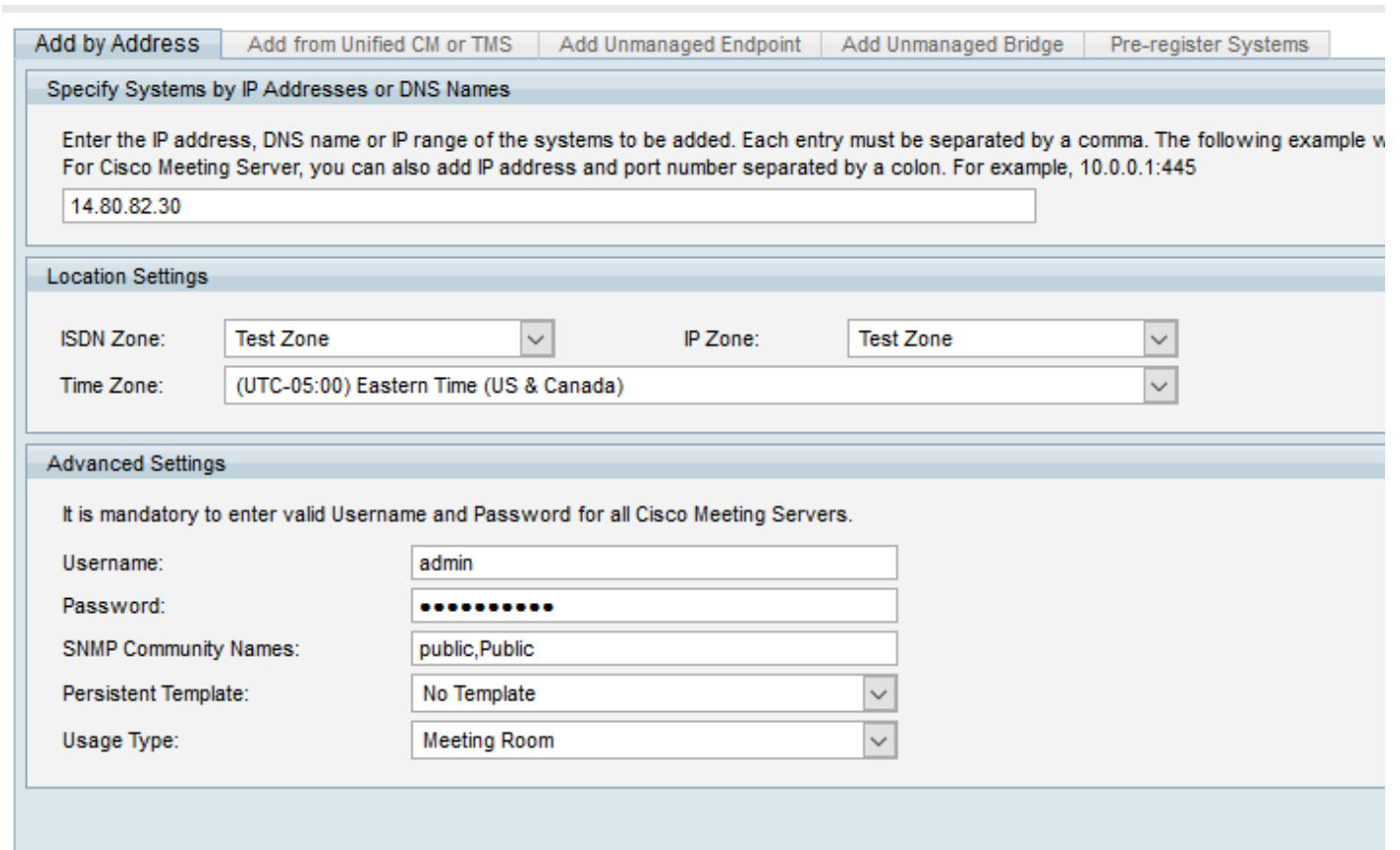
注意：在 TMS 15.3 之前，您可以将 Acano 服务器添加为非托管网桥，但该服务器的功能不完整。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始 (默认) 配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

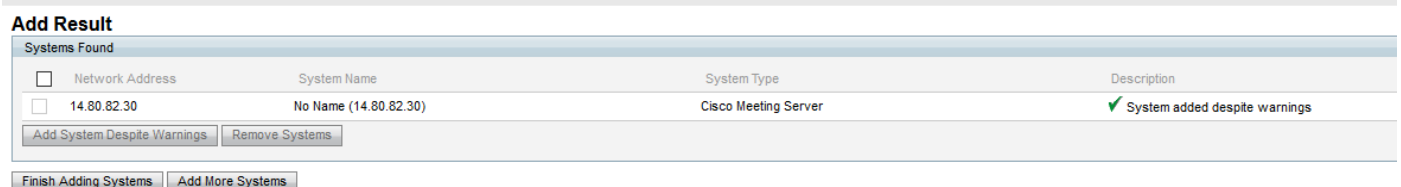
配置

向 TMS 添加受管 CMS 服务器相对简单，其方法与添加 MCU 或 TPS 类似。

第 1 步：照常导航至所需的导航器位置，然后选择**添加设备**。如果 Webadmin 服务使用的是非标准端口（例如 445），请确保将其附加在 IP 地址的末尾，例如 x.x.x.x:445。



- 添加设备后，您将看到添加的系统以及相应的警告消息。系统检测到的类型必须为**思科 Meeting Server**，**但却不具备系统名称（这是正常情况）**：



| Network Address | System Name | System Type | Description |
|--------------------------------------|-----------------------|----------------------|-------------------------------|
| <input type="checkbox"/> 14.80.82.30 | No Name (14.80.82.30) | Cisco Meeting Server | System added despite warnings |

- 在查看信息页面时，会显示两个错误/警告：

No Name (14.80.82.30)
Cisco Meeting Server Status: Idle Address: 14.80.82.30 Connectivity: Reachable on LAN

Summary Settings Clustering Connection Permissions Logs

Tickets

Open:

- #37 - Dial Number Configuration Error (7/27/2016 11:34:42 AM)
Domain, Numeric ID Base and Numeric ID Quantity details are not set. More...
- #35 - Blank System Name (7/27/2016 11:34:42 AM)
The name of the system is blank.

▸ Add custom ticket ▸ Open in Ticketing Service ▸ Edit settings

System Status

| | | | |
|----------------------|--------------|--------------------------|----------|
| Call Bridge Uptime: | 4d, 22:09:44 | Audio Bit Rate Outgoing: | 0 Kbit/s |
| CallLegs Active: | 0 | Audio Bit Rate Incoming: | 0 Kbit/s |
| CallLegs Max Active: | 3 | Video Bit Rate Outgoing: | 0 Kbit/s |
| CallLegs Completed: | 7 | Video Bit Rate Incoming: | 0 Kbit/s |

This Week's Bookings

There are no bookings for this system in the next 7 days.

▸ Book conference with this system

第 2 步：在设置 > 编辑设置下设置系统名称。此名称可以任意命名，TMS 用其指代网桥。

第 3 步：导航至设置 > 扩展设置处理其他消息，并配置域和会议 ID 范围。该域用于根据会议号码形成 URI，因此，请确保分配可路由到网络中的 CMS 的域（并在 CMS 上配置正确的入站拨号规则）。

CMS Core Primary
Cisco Meeting Server Status: Idle Address: 14.80.82.30 Connectivity: Reachable on LAN

Summary Settings Clustering Connection Permissions Logs

View Settings Edit Settings Extended Settings Ticket Filters

Extended Settings

Domain:

Numeric ID Base:

Numeric ID Quantity:

Save

Refresh

步骤4.在进行这些配置更改后，CMS在TMS中必须没有错误或警告。

CMS Core Primary
Cisco Meeting Server Status: Idle Address: 14.80.82.30 Connectivity: Reachable on LAN

Summary Settings Clustering Connection Permissions Logs

Tickets

✓ System has no open or acknowledged tickets

▸ Add custom ticket ▸ Open in Ticketing Service ▸ Edit settings

System Status

| | | | |
|----------------------|--------------|--------------------------|----------|
| Call Bridge Uptime: | 4d, 22:11:52 | Audio Bit Rate Outgoing: | 0 Kbit/s |
| CallLegs Active: | 0 | Audio Bit Rate Incoming: | 0 Kbit/s |
| CallLegs Max Active: | 3 | Video Bit Rate Outgoing: | 0 Kbit/s |
| CallLegs Completed: | 7 | Video Bit Rate Incoming: | 0 Kbit/s |

This Week's Bookings

There are no bookings for this system in the next 7 days.

▸ Book conference with this system

步骤5.要验证所有配置是否正确，您可以检查CMS，确保将适当的会议插槽分配为空间。TMS 会为每个会议时段创建标名为 TMS_Scheduled_Meeting_x 的会议空间（其中 x 是指定范围内的会议编号）。



Space configuration

Filter

| <input type="checkbox"/> | Name | URI user part | Secondary URI user part | Additional access methods | Call ID |
|--------------------------|--------------------------|-------------------|-------------------------|---------------------------|-----------|
| <input type="checkbox"/> | Cool Bridge Space | cool.bridge.space | | | 497540167 |
| <input type="checkbox"/> | It's testacano1's Space! | testacano1.space | | | 020710167 |
| <input type="checkbox"/> | It's testacano2's Space! | testacano2.space | | | 136456483 |
| <input type="checkbox"/> | It's testacano3's Space! | testacano3.space | | | 529987622 |
| <input type="checkbox"/> | TMS_Scheduled_Meeting_1 | 1 | | | 1 |
| <input type="checkbox"/> | TMS_Scheduled_Meeting_2 | 2 | | | 2 |
| <input type="checkbox"/> | TMS_Scheduled_Meeting_3 | 3 | | | 3 |
| <input type="checkbox"/> | TMS_Scheduled_Meeting_4 | 4 | | | 4 |
| <input type="checkbox"/> | TMS_Scheduled_Meeting_5 | 5 | | | 5 |

TMS 会自动检测通过 API 添加且与 CMS 形成集群的任何其他 Callbridge。您可以导航至**集群选项卡**确认是否正确。

CMS Core Primary

Cisco Meeting Server Status: Idle Address: 14.80.82.30 Connectivity: Reachable on LAN

Summary Settings **Clustering** Connection Permissions Logs

| System Name | Primary |
|------------------|---------|
| CMS Core Primary | ✓ |
| 14.80.82.31 | |

注意： 请注意，这并不意味着在添加的主TMS发生故障时，TMS会自动故障切换到此 Callbridge。它不会在当前状态下直接与添加的 CMS 服务器以外的任何设备通信，但会发现通过 API GET 添加的其他 Callbridge（每个 Callbridge 都能获知所有其他 Callbridge）。

第 6 步： 要配置故障转移，您需要导航回 TMS 上的 CMS 编辑设置页面。在网络设置下，配置备用 IP、用户名和密码。备用 IP 字段必须有集群中检测到的其他 Callbridge 自动填充的下拉列表。TMS 只通过故障转移功能切换至指定的 Callbridge。如果集群中有两个以上 Callbridge，TMS 不能使用其他 Callbridge。这仅适用于将来的会议。如果某个 Callbridge 在会议期间发生故障，TMS 不会将用户迁移到备用 Callbridge。

CMS Core Primary

Cisco Meeting Server Status: Idle Address: 14.80.82.30 Connectivity: Reachable on LAN

Summary **Settings** Clustering Connection Permissions Logs

View Settings **Edit Settings** Extended Settings Ticket Filters

General

Name: CMS Core Primary
System Type: Cisco Meeting Server
System Connectivity: Reachable on LAN
Network Address: 14.80.82.30
Manufacturer: Cisco
IP Zone: Test Zone
Time Zone: (UTC-05:00) Eastern Time (US & Car)
Web Bridge URI: https://<webbridgeaddress>.port

Status: Your Access: Book, Edit Settings, Manage Calls, Set Permissions, Read
System Contact: [input]
Alert System Contact when Booked: No
Description: [input]

Configuration

Software Version: 2.0(RC)

Network Settings


Alternate IP: 14.80.82.31
Alternate IP Username: admin
Alternate IP Password: [password]
SIP Mode: On

TMS Scheduling Settings

Allow Booking:
Allow Incoming SIP URI Dialing:
Allow Outgoing SIP URI Dialing:

无需手动向 TMS 添加其他集群 Callbridge。如果您尝试添加一个 TMS 已检测到是该集群的一部分的 Callbridge，则会发生错误。

Description

 The 14.80.82.31 is part of a clustered call bridge and has already been added in TMS through 14.80.82.30. Retry after entering a new IP.

TMS 现在已准备好在 CMS 上安排会议。如果有多种网桥类型添加到 TMS，则可以在 Administrator Tools > General Settings > Conference Settings 下分配 CMS，其中 Prefer MCU Type in Routing 字段可以设置为 Cisco Meeting Server。

验证

API 通信

以下是 TMS 和 CMS 之间的 API 通信示例（提取自启用 API 调试日志记录的 CMS 日志文件）。

向 TMS 添加 CMS

TMS 连接并运行 GET 方法获取 CMS 的基本信息。以下输出显示为 Callbridge 运行 GET 的进程，然后返回每个特定 Callbridge 的 GET，并提取 IP 等其他信息。这是 TMS 发现集群中的其他服务器的方法。此外，TMS 还会为会议创建呼叫配置文件和呼叫分支配置文件。

```
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889: GET for
"/api/v1/system/status" (from 14.80.99.226)
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889: sending 200 response, size
518
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889: <status>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889:
<softwareVersion>2.0(RC)</softwareVersion>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889:
<uptimeSeconds>333717</uptimeSeconds>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889: <cdrTime>2016-07-
26T14:08:19Z</cdrTime>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889:
<activated>>true</activated>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889:
<clusterEnabled>>true</clusterEnabled>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889:
<callLegsActive>0</callLegsActive>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889:
<callLegsMaxActive>3</callLegsMaxActive>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889: [ ... ]
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8889: </status>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: GET for
"/api/v1/callBridges" (from 14.80.99.226)
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: sending 200 response, size
250
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: <callBridges total="2">
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: <callBridge id="0e3758db-
b9b8-49df-a74c-55fa05e3e21d">
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: <name>CallBridge-
Core1</name>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: </callBridge>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: <callBridge id="cfe31846-
```

ca57-4703-9e11-da3e72a13066">
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: <name>CallBridge-
Core2</name>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: </callBridge>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8890: </callBridges>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891: **GET for**
"/api/v1/callBridges/0e3758db-b9b8-49df-a74c-55fa05e3e21d" (from 14.80.99.226)
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891: sending 200 response, size
178
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891: <callBridge id="0e3758db-
b9b8-49df-a74c-55fa05e3e21d">
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891: <name>CallBridge-
Core1</name>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891:
<address>https://14.80.82.30</address>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891: <sipDomain></sipDomain>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8891: </callBridge>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892: **GET for**
"/api/v1/callBridges/cfe31846-ca57-4703-9e11-da3e72a13066" (from 14.80.99.226)
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892: sending 200 response, size
178
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892: <callBridge id="cfe31846-
ca57-4703-9e11-da3e72a13066">
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892: <name>CallBridge-
Core2</name>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892:
<address>https://14.80.82.31</address>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892: <sipDomain></sipDomain>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8892: </callBridge>
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8893: **POST for**
"/api/v1/callProfiles" (from 14.80.99.226)
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8893: content data size 47, type
"application/x-www-form-urlencoded":
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8893: participantLimit=1000&
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8893: messageBoardEnabled=false
Jul 26 14:08:23 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" created
new call profile 1285fa9c-f221-4af7-8462-51cf1d7542eb
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8893: sending 200 response, size
0
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8893: Location:
/api/v1/callProfiles/1285fa9c-f221-4af7-8462-51cf1d7542eb
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: **POST for**
"/api/v1/callLegProfiles" (from 14.80.99.226)
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: content data size 167, type
"application/x-www-form-urlencoded":
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894:
defaultLayout=telepresence&
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: changeLayoutAllowed=true&
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894:
presentationContributionAllowed=true&
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894:
presentationViewingAllowed=true&
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: muteSelfAllowed=true&
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: videoMuteSelfAllowed=true
Jul 26 14:08:23 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" created
new call leg profile 734447d1-4251-442f-b127-ab3304b643f8
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: sending 200 response, size
0
Jul 26 14:08:23 user.info Core1 host:server: INFO : API trace 8894: Location:
/api/v1/callLegProfiles/734447d1-4251-442f-b127-ab3304b643f8

创建预留会议空间

在下面的示例中，TMS 会创建 CoSpace 批量参数集，包含以下信息：会议 ID 起始数字和结束数字、定义每个会议实例名称的名称映射、之前部分中创建的呼叫配置文件和呼叫分支配置文件，并且 nonMemberAccess 字段设置为 false（阻止用户加入这些空间）。

接下来，TMS 针对 sospaceBulkSyncs 执行 POST，引用和运行之前创建的参数集。然后，对批量同步的 ID 执行 GET，其目的是确认已完成这一进程。

最后，TMS 运行 GET 状态重新确认基本连接信息。

```
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: POST for
"/api/v1/cospaceBulkParameterSets" (from 14.80.99.226)
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: content data size 250, type
"application/x-www-form-urlencoded":
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: startIndex=1&
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: endIndex=5&
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: coSpaceUriMapping=&
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954:
coSpaceNameMapping=TMS_Scheduled_Meeting_
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: &
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: coSpaceCallIdMapping=&
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: callProfile=1285fa9c-f221-
4af7-8462-51cf1d7542eb
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: &
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: callLegProfile=734447d1-
4251-442f-b127-ab3304b64
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: 3f8&
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: nonMemberAccess=false
Jul 26 14:12:31 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" created
new object type 29 beac931c-ae88-4f5f-b6b7-71a1c4bdaf8e
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: sending 200 response, size
0
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8954: Location:
/api/v1/cospaceBulkParameterSets/beac931c-ae88-4f5f-b6b7-71a1c4bdaf8e
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955: POST for
"/api/v1/cospaceBulkSyncs" (from 14.80.99.226)
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955: content data size 60, type
"application/x-www-form-urlencoded":
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955:
cospaceBulkParameterSet=beac931c-ae88-4f5f-b6b7-
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955: 71a1c4bdaf8e
Jul 26 14:12:31 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" created
new object type 30 071e7bf5-c0d8-4d2a-b321-7b07c799829c
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955: sending 200 response, size
0
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955: Location:
/api/v1/cospaceBulkSyncs/071e7bf5-c0d8-4d2a-b321-7b07c799829c
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956: GET for
"/api/v1/cospaceBulkSyncs/071e7bf5-c0d8-4d2a-b321-7b07c799829c" (from 14.80.99.226)
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956: sending 200 response, size
210
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956: <cospaceBulkSync
id="071e7bf5-c0d8-4d2a-b321-7b07c799829c">
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956:
<cospaceBulkParameterSet>beac931c-ae88-4f5f-b6b7-71a1c4bdaf8e</cospaceBulkParameterSet>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956: <status>complete</status>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956: </cospaceBulkSync>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957: GET for
"/api/v1/system/status" (from 14.80.99.226)
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957: sending 200 response, size
518
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957: <status>
```

```

Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957:
<softwareVersion>2.0(RC)</softwareVersion>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957:
<uptimeSeconds>333966</uptimeSeconds>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957: <cdrTime>2016-07-
26T14:12:29Z</cdrTime>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957:
<activated>>true</activated>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957:
<clusterEnabled>>true</clusterEnabled>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957:
<callLegsActive>0</callLegsActive>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957:
<callLegsMaxActive>3</callLegsMaxActive>
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957: [ ... ]
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8957: </status>

```

创建计划会议和自动拨号

到会议的开始时间时，TMS 首先会对状态和参加者执行 **GET** (此时不确定参加者结果的用途)。接下来，TMS 对 coSpace 执行 **GET**，看看实际使用的是哪一个。TMS 会选择计划会话中当前未使用的范围中数值最低的会议 (换句话说，如果一次只举行一场会议，TMS 始终使用 TMS_Scheduled_Meeting_1)。

确定要使用的会议后，TMS 对特定空间的 ID 执行 **PUT**，更改名称和 nonMemberAccess 权限字段，允许其他人加入会议。此外，TMS 还会在该空间内创建呼叫实例，允许实现拨号控制。

接下来，TMS 对状态、coSpace 和呼叫执行 **GET**，检查创建的实例。如果 CMS 设置为向会议中的任意参加者自动拨号，那么 TMS 会对呼叫分支执行 **GET**。要向终端发起新的呼叫，TMS 会对之前创建的特定呼叫实例执行 **POST**，创建新的呼叫分支。此 **POST** 的内容包括要向其拨号的终端的 **URI** (在 remoteParty 内容字段中)。

使用此方法发起的所有呼叫都依赖于 CMS 上的出站拨号规则，因此必须正确配置这些规则。

```

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496: GET for
"/api/v1/system/status" (from 14.80.99.226)
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496: sending 200 response, size
518
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496: <status>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496:
<softwareVersion>2.0(RC)</softwareVersion>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496:
<uptimeSeconds>351847</uptimeSeconds>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496: <cdrTime>2016-07-
26T19:10:30Z</cdrTime>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496:
<activated>>true</activated>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496:
<clusterEnabled>>true</clusterEnabled>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496:
<callLegsActive>0</callLegsActive>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496:
<callLegsMaxActive>3</callLegsMaxActive>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496: [ ... ]
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9496: </status>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9497: GET for
"/api/v1/participants" (from 14.80.99.226)
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9498: GET for "/api/v1/coSpaces"
(from 14.80.99.226)

```


Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9498: sending 401 response, size 0

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9498: WWW-Authenticate: Basic realm="acano"

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9497: sending 200 response, size 60

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9497: <participants total="0"></participants>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: **GET for "/api/v1/coSpaces" (from 14.80.99.226)**

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: sending 200 response, size 788

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <coSpaces total="4">

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <coSpace id="2be23a10-f400-4436-baef-6058f55ca688">

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <name>Cool Bridge Space</name>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <autoGenerated>>false</autoGenerated>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <uri>cool.bridge.space</uri>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <callId>497540167</callId>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: </coSpace>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: <coSpace id="f4c9601b-300e-43ac-a283-3e1a00699c2c">

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: [...]

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9499: </coSpaces>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: **PUT for "/api/v1/cospaces/458075bc-6def-4052-8ed6-b1192d6e6b35" (from 14.80.99.226)**

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: content data size 117, type "application/x-www-form-urlencoded":

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: &

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: nonMemberAccess=true&

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: passcode=*****

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: name=Tim Kratzke Acano TMSXE Test Meeting&

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: secret=86db1bdd-5cf7-4ea8-b88d-479195f4701a

Jul 26 19:10:34 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" modified space 458075bc-6def-4052-8ed6-b1192d6e6b35 (Tim Kratzke Acano TMSXE Test Meeting)

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9500: sending 200 response, size 0

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9501: **POST for "/api/v1/calls" (from 14.80.99.226)**

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9501: content data size 44, type "application/x-www-form-urlencoded":

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9501: coSpace=458075bc-6def-4052-8ed6-b1192d6e6b35

Jul 26 19:10:34 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" created new call ce5ee392-7be6-4227-a7ee-b4f16a5fdd16

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9501: sending 200 response, size 0

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9501: Location: /api/v1/calls/ce5ee392-7be6-4227-a7ee-b4f16a5fdd16

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: **GET for "/api/v1/system/status" (from 14.80.99.226)**

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: sending 200 response, size 518

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: <status>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: <softwareVersion>2.0(RC)</softwareVersion>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: <uptimeSeconds>351848</uptimeSeconds>

Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: <cdrTime>2016-07-

26T19:10:30Z</cdrTime>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502:
<activated>true</activated>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502:
<clusterEnabled>true</clusterEnabled>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502:
<callLegsActive>0</callLegsActive>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502:
<callLegsMaxActive>3</callLegsMaxActive>
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: [...]
Jul 26 19:10:34 user.info Core1 host:server: INFO : API trace 9502: </status>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: **GET for "/api/v1/coSpaces"**
(from 14.80.99.226)
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: sending 200 response, size
801
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: <coSpaces total="4">
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: <coSpace id="2be23a10-
f400-4436-baef-6058f55ca688">
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: <name>Cool Bridge
Space</name>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503:
<autoGenerated>false</autoGenerated>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503:
<uri>cool.bridge.space</uri>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: <callId>497540167</callId>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: </coSpace>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: <coSpace id="f4c9601b-
300e-43ac-a283-3e1a00699c2c">
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: [...]
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9503: </coSpaces>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: **GET for "/api/v1/calls"**
(from 14.80.99.226)
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: sending 200 response, size
253
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: <calls total="1">
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: <call id="ce5ee392-7be6-
4227-a7ee-b4f16a5fdd16">
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: <name>Tim Kratzke Acano
TMSXE Test Meeting</name>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: <coSpace>458075bc-6def-
4052-8ed6-b1192d6e6b35</coSpace>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: <callCorrelator>76331036-
6887-4d88-87ea-2a24a2f585d4</callCorrelator>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: </call>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9504: </calls>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9505: **GET for "/api/v1/callegs"**
(from 14.80.99.226)
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9505: sending 200 response, size
52
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9505: <callLegs
total="0"></callLegs>
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9506: **POST for**
"/api/v1/calls/ce5ee392-7be6-4227-a7ee-b4f16a5fdd16/callegs" (from 14.80.99.226)
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9506: content data size 36, type
"application/x-www-form-urlencoded":
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9506:
remoteParty=desk.ex90@tkratzke.local
Jul 26 19:10:35 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" created
new call leg 9f003b66-0539-4513-b609-ed0d93d09781, call ce5ee392-7be6-4227-a7ee-b4f16a5fdd16
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9506: sending 200 response, size
0
Jul 26 19:10:35 user.info Core1 host:server: INFO : API trace 9506: Location:
/api/v1/callLegs/9f003b66-0539-4513-b609-ed0d93d09781
Jul 26 19:10:35 user.info Core1 host:server: INFO : call 7: outgoing SIP call to

```
"desk.ex90@tkratzke.local" from space "Tim Kratzke Acano TMSXE Test Meeting"
Jul 26 19:10:35 user.info Core1 host:server: INFO : handshake error 104 on outgoing connection
4
Jul 26 19:10:35 user.info Core1 host:server: INFO : call 7: falling back to unencrypted control
connection...
Jul 26 19:10:35 user.info Core1 host:server: INFO : call 7: SIP call ringing
Jul 26 19:10:35 local0.info Core1 host:server: INFO : participant "desk.ex90@tkratzke.local"
joined space 458075bc-6def-4052-8ed6-b1192d6e6b35 (Tim Kratzke Acano TMSXE Test Meeting)
Jul 26 19:10:37 user.info Core1 host:server: INFO : conference "Tim Kratzke Acano TMSXE Test
Meeting": unencrypted call legs now present
```

延长会议

当您延长会议时，TMS 只需重新对特定空间执行 PUT，使用的内容字段与创建时一样。在这种情况下，系统未针对会议空间超时使用任何参数，因此，此 API 命令并不是真的保持会议处于“活动”状态，而是用作参考目的，让用户知道从 CMS 端延长了会议。

```
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: PUT for
"/api/v1/cospaces/458075bc-6def-4052-8ed6-b1192d6e6b35" (from 14.80.99.226)
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: content data size 117, type
"application/x-www-form-urlencoded":
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: &
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: nonMemberAccess=true&
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: passcode=*****
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: name=Tim Kratzke Acano
TMSXE Test Meeting&
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: secret=86db1bdd-5cf7-4ea8-
b88d-479195f4701a
Jul 26 19:35:04 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" modified
space 458075bc-6def-4052-8ed6-b1192d6e6b35 (Tim Kratzke Acano TMSXE Test Meeting)
Jul 26 19:35:04 user.info Core1 host:server: INFO : API trace 9711: sending 200 response, size
0
Jul 26 19:35:10 user.info Core1 authp: re-registration from server "callbridge-
core2.acanolab2.tkratzke.local"
```

结束/删除会议

当会议结束时，TMS 会再次通过 GET 命令执行各种状态检查，然后再执行任何操作。接下来，TMS 会对结束的会议对应的空间执行 PUT 操作，将名称改回其占位符值，将 nonMemberAccess 重新设置为 false，让用户和终端不能再加入。

最后，TMS 会向它在空间内创建的呼叫实例发送 DELETE。

```
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874: GET for
"/api/v1/system/status" (from 14.80.99.226)
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874: sending 200 response, size
518
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874: <status>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874:
<softwareVersion>2.0(RC)</softwareVersion>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874:
<uptimeSeconds>354538</uptimeSeconds>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874: <cdrTime>2016-07-
26T19:55:21Z</cdrTime>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874:
<activated>>true</activated>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874:
<clusterEnabled>>true</clusterEnabled>
```

Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874:
<callLegsActive>0</callLegsActive>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874:
<callLegsMaxActive>3</callLegsMaxActive>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874: [...]
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9874: </status>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: **GET for "/api/v1/coSpaces"**
(from 14.80.99.226)
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: sending 200 response, size
801
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: <coSpaces total="4">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: <coSpace id="2be23a10-
f400-4436-baef-6058f55ca688">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: <name>Cool Bridge
Space</name>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875:
<autoGenerated>>false</autoGenerated>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875:
<uri>cool.bridge.space</uri>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: <callId>497540167</callId>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: </coSpace>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: <coSpace id="f4c9601b-
300e-43ac-a283-3e1a00699c2c">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: [...]
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9875: </coSpaces>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: **GET for "/api/v1/calls"**
(from 14.80.99.226)
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: sending 200 response, size
253
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: <calls total="1">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: <call id="ce5ee392-7be6-
4227-a7ee-b4f16a5fdd16">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: <name>Tim Kratzke Acano
TMSXE Test Meeting</name>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: <coSpace>458075bc-6def-
4052-8ed6-b1192d6e6b35</coSpace>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: <callCorrelator>76331036-
6887-4d88-87ea-2a24a2f585d4</callCorrelator>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: </call>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9876: </calls>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: **GET for "/api/v1/coSpaces"**
(from 14.80.99.226)
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: sending 200 response, size
801
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: <coSpaces total="4">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: <coSpace id="2be23a10-
f400-4436-baef-6058f55ca688">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: <name>Cool Bridge
Space</name>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877:
<autoGenerated>>false</autoGenerated>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877:
<uri>cool.bridge.space</uri>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: <callId>497540167</callId>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: </coSpace>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: <coSpace id="f4c9601b-
300e-43ac-a283-3e1a00699c2c">
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: [...]
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9877: </coSpaces>
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: **PUT for**
"/api/v1/cospaces/458075bc-6def-4052-8ed6-b1192d6e6b35" (from 14.80.99.226)
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: content data size 83, type
"application/x-www-form-urlencoded":
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: &

```
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: nonMemberAccess=false&
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: passcode=*****
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878:
name=TMS_Scheduled_Meeting_1&
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: regenerateSecret=true
Jul 26 19:55:25 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" modified
space 458075bc-6def-4052-8ed6-b1192d6e6b35 (TMS_Scheduled_Meeting_1)
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9878: sending 200 response, size
0
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9879: DELETE for
"/api/v1/calls/ce5ee392-7be6-4227-a7ee-b4f16a5fdd16" (from 14.80.99.226)
Jul 26 19:55:25 local0.info Core1 host:server: INFO : 14.80.99.226: API user "admin" deleted
call ce5ee392-7be6-4227-a7ee-b4f16a5fdd16
Jul 26 19:55:25 user.info Core1 host:server: INFO : API trace 9879: sending 200 response, size
0
```

故障排除

目前没有针对此配置的故障排除信息。