

# 满足服务器(Acano)/TMS集成和安排API指南的思科

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## 简介

本文描述CMS 2.0 (Acano)服务器如何集成并且通信TMS (15.3)作为一种被管理的资源。

## [先决条件](#)

### [要求](#)

Cisco 建议您了解以下主题：

- 基本的了解TMS (思科网真管理套件)
- CMS (满足服务器的思科，前面的Acano)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或更加极大
- CMS 2.0或更加极大

**注意：**在TMS 15.3之前您是能添加每Acano服务器作为一不受管理网桥，但是没有全部功能。

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

添加一个被管理的CMS服务器到TMS里相对简单并且工作在此类似添加MCU或TPS。

步骤1.导航到希望的浏览器位置并且选择**添加设备**，照常。如果一个非标准端口使用webadmin服务(例如445)，请保证它被添附对IP地址的结尾，当添加它，与例如时x.x.x.x:445。

**Add by Address** | Add from Unified CM or TMS | Add Unmanaged Endpoint | Add Unmanaged Bridge | Pre-register Systems

**Specify Systems by IP Addresses or DNS Names**

Enter the IP address, DNS name or IP range of the systems to be added. Each entry must be separated by a comma. The following example w  
For Cisco Meeting Server, you can also add IP address and port number separated by a colon. For example, 10.0.0.1:445

14.80.82.30

**Location Settings**

ISDN Zone: Test Zone | IP Zone: Test Zone | Time Zone: (UTC-05:00) Eastern Time (US & Canada)

**Advanced Settings**

It is mandatory to enter valid Username and Password for all Cisco Meeting Servers.

Username: admin | Password: [masked] | SNMP Community Names: public,Public | Persistent Template: No Template | Usage Type: Meeting Room

- 在您添加设备后，您看到系统添加与警告。必须检测它作为**满足类型的思科服务器**，但是没有  
一个系统名称(这是正常)：

**Add Result**

Systems Found

| <input type="checkbox"/> | 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 |

Add System Despite Warnings | Remove Systems

Finish Adding Systems | Add More Systems

- 查看info页将显示两错误/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

步骤2.设置系统名称在**设置> Edit**设置下。这可以是所有名称，TMS使用它参考网桥。

步骤3.通过导航寻址另一个消息对**设置>延伸设置**并且配置域和会议ID范围。域用于形成根据会议号码的URIs，因此请确保分配是可路由的对在网络的CMS的域(和有在CMS配置的适当的Inbound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

第四步：以后进行这些配置更改，CMS一定免于错误或警告在TMS。

**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

第五步：要验证一切适当地配置，您能检查CMS确保适当的会议slot分配了作为空间。TMS创建题为x是在范围内的会议编号指定的TMS\_Scheduled\_Meeting\_x的每会议slot的一空间。

### 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         |

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TMS自动地检测通过API被添加的所有其他callbridges集群与CMS。可以被确认这是否正确，当您导航对**集群**的选项卡时。

**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：** 请注意这不含义TMS自动地故障切换对在事件的此callbridge加断开的主要的一个。除已添加CMS服务器之外，在其当前状态下，它直接地与任何东西不谈，然而通过callbridges的API GET发现其他(每callbridge知道关于其他)。

步骤6.为了配置故障切换，您必须导航回到**EDIT SETTINGS**页在TMS的CMS的。在**网络设置**下请配置备选IP、用户名和密码。**备选IP**字段必须有其他callbridges自动地填充的下拉式检测在集群。TMS只故障切换对指定的callbridge。如果有超过在集群的两callbridges，TMS不能使用其他。这仅是为将来会议。如果callbridge沿着走中间会议，TMS不移植用户到备选。

**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                          | Status: <span style="color: green;">Book, Edit Settings, Manage Calls, Set Permissions, Read</span> |
| System Type: Cisco Meeting Server               | Your Access: <input type="button" value="Download"/> <input type="button" value="Delete"/>          |
| System Connectivity: Reachable on LAN           | System Contact: <input type="text" value="No"/>   |
| Network Address: 14.80.82.30                    | Alert System Contact when Booked: <input type="checkbox"/>  |
| Manufacturer: Cisco                             | Description: <input type="text"/>   |
| IP Zone: Test Zone                              |   |
| Time Zone: (UTC-05:00) Eastern Time (US & Car)  |   |
| Web Bridge URI: https://<webbridgeaddress>.port |   |

**Configuration**

Software Version: 2.0(RC)

**Network Settings**

|                              |              |
|------------------------------|--------------|
| Alternate IP: 14.80.82.31    | SIP Mode: On |
| Alternate IP Username: admin |              |
| Alternate IP Password: ***** |              |

**TMS Scheduling Settings**

|   |   |
|---|---|
| Allow Booking: <input checked="" type="checkbox"/>                  | Allow Outgoing SIP URI Dialing: <input checked="" type="checkbox"/> |
| Allow Incoming SIP URI Dialing: <input checked="" type="checkbox"/> |   |

没有需要手工添加其他集群callbridges到TMS。如果尝试作为集群一部分，添加一TMS已经检测

, 您收到错误。

#### 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当前准备安排CMS的会议。如果有multiple网桥类型被添加到TMS，CMS可以分配下在**管理员 Tools>一般设置>会议设置**下，**Prefer MCU键入Routing**字段可以持续为**满足服务器的思科**。

## 验证

### API通信

下列是API通信示例TMS和CMS之间的，拉从CMS日志文件与启用的**API debug**日志。

### 添加CMS到TMS

TMS提供援助并且运行**GET**方法请求从CMS的基本信息。下面的输出显示运行callbridges的**GET**，然后返回的每特定callbridge的**GET**进程，并且拉其他信息例如IP。这是TMS如何发现在集群的其他服务器。它也创建一呼叫配置文件和呼叫段配置文件会议的。

```
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

```

## 创建保留会议空间

在下面的示例中TMS创建包括开始的信息和会议ID编号，名称映射定义了每个会议实例名称，呼叫配置文件和在前面部分创建的呼叫段配置文件的CoSpace容量参数集和nonMemberAccess”字段设置对错误，防止用户加入这些空间中的任一。

下TMS执行参考和诗歌以前已创建参数集sospaceBulkSyncs的POST。在那以后，它执行运行确认进程完成大批同步的ID的GET。

最终TMS运行再确认基本连接信息的GET状态。

```
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>

```

## 创建已计划会议和自动正在拨号

当是会议的时间开始时，TMS首先执行GET状态的和参加者的(不肯定什么参加者结果使用在此时)。其次，TMS执行coSpaces的GET能发现哪个实际上是在使用中的。TMS选择在换句话说，为一被安排的会话不是正在使用中的范围的最低的会议(如果每次只有一个会议，TMS总是使用TMS\_Scheduled\_Meeting\_1)。

在识别会议以后使用，TMS执行PUT对该特定空间ID，更改名称和nonMemberAccess权限字段，然后准许其他加入会议。TMS也创建在该空间内的呼叫实例允许拨号控制。

下TMS执行状态、coSpaces和呼叫的GET能检查已创建实例。如果CMS在会议设置自动地拨号对任何参加者，TMS然后执行calllegs的GET。为了发起新的呼叫到终端，TMS然后执行POST对创建的特定呼叫实例以前创建一新的calleg。在此柱子的内容包括终端的URI在remoteParty”内容字段拨号。

其中任一在此方法在CMS的出局拨号规则呼叫启动将取决于，因此必须适当地配置他们。

```

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
```

## 扩大会议

当您扩大会议时，TMS再做PUT对特定空间与内容字段和一样，当创建。没有在这种情况下使用的空间超时的参数，因此此API命令确实不保持会议“运行”，但是担当参考知道会议从CMS侧被延伸。

```
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

当结束时会议，TMS再通过各种各样的状态检查通过GET命令前面执行所有操作。其次，TMS执行PUT对空间与结束并且更改名称回到其占位符值并且设置nonMemberAccess”回到错误的会议相应，因此用户和终端能不再加入。

最后，TMS发送在空间内创建呼叫实例的一个删除。

```
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。