

# 思科會議伺服器(Acano)/TMS整合和排程API指南

## 目錄

[簡介](#)

[必要條件](#)

[需求](#)

[採用元件](#)

[設定](#)

[驗證](#)

[API通訊](#)

[將CMS新增到TMS](#)

[建立預留會議空間](#)

[建立預定會議和自動撥號](#)

[擴展會議](#)

[結束/刪除會議](#)

[疑難排解](#)

## 簡介

本文檔介紹CMS 2.0(Acano)伺服器如何作為託管資源與TMS(15.3)整合和通訊。

## 必要條件

### 需求

思科建議您瞭解以下主題：

- 對TMS(Cisco TelePresence Management Suite)的基本瞭解
- CMS ( 思科會議伺服器，原Acano ) 概念

### 採用元件

本文中的資訊係根據以下軟體和硬體版本：

- TMS 15.3或更高版本
- CMS 2.0或更高版本

**附註：**在TMS 15.3之前，您可以將Acano伺服器新增為非託管網橋，但它沒有完整的功能。

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。

## 設定

將託管CMS伺服器新增到TMS中相對簡單，其工作方式與新增MCU或TPS類似。

步驟1.按常規導航到所需的導航器位置，然後選擇**Add Device**。如果使用非標準埠進行Web管理服務（例如445），請確保將其附加到IP地址末尾，例如x.x.x.x:445。

- 新增裝置後，您會看到系統新增警告。對於型別，必須檢測為**思科會議伺服器**，但它沒有系統名稱（這是正常現象）：

- 檢視資訊頁面將顯示兩個錯誤/警告：

步驟2.在Settings > Edit Settings下設定系統名稱。此名稱可以是任何名稱，TMS會將其稱為網橋。

步驟3.導航到設定>擴展設定並配置域和會議ID範圍，以解決其他消息的問題。該域用於根據會議號碼形成URI，因此請確保分配可路由到網路中的CMS的域（並且在CMS上配置了正確的入站撥號規則）。

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: acanolab2.tkratzke.local

Numeric ID Base: 1

Numeric ID Quantity: 5

Save Refresh

步驟4.進行這些配置更改後，CMS必須沒有TMS中的錯誤或警告。

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

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.

步驟5.要驗證所有配置是否正確，您可以檢查CMS以確保已將正確的會議時段分配為空間。TMS為每個名為TMS\_Scheduled\_Meeting\_x的會議槽建立一個空間，其中x是指定範圍內的會議編號。



Status Configuration Logs

### Space configuration

Filter  Submit Query

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

1

Delete

TMS會自動檢測通過API新增的與CMS集群的任何其他callbridge。當您導航到Clustering頁籤時，可以確認此操作是否正確。

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	

**註：**必須注意的是，這並不意味著在新增的主要呼叫橋關閉時TMS自動故障切換到此callbridge。在目前的狀態下，它不會直接與任何其他CMS伺服器進行通訊，但會通過API GET for callbridge發現其他伺服器（每個callbridge都知道其他伺服器）。

步驟6.要配置故障轉移，您必須導航回TMS上的CMS的編輯設定頁面。在Network Settings下，配置備用IP、使用者名稱和密碼。**Alternate IP**欄位必須有一個由群集中檢測到的其他callbridge自動填充的下拉選單。TMS僅故障切換到指定的callbridge。如果群集中有兩個以上的callbridge，則TMS無法使用其他的callbridge。這僅用於未來的會議。如果callbridge在會議中關閉，TMS不會將使用者遷移到備用交換機。

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:	
Alert System Contact when Booked:	No
Description:	
Configuration	
Software Version:	2.0(RC)
Network Settings	
Alternate IP:	14.80.82.31
Alternate IP Username:	admin
Alternate IP Password:	*****
SIP Mode:	On
TMS Scheduling Settings	
Allow Booking:	<input checked="" type="checkbox"/>
Allow Incoming SIP URI Dialing:	<input checked="" type="checkbox"/>
Allow Outgoing SIP URI Dialing:	<input checked="" type="checkbox"/>
Save	Force Refresh

無需手動將其他群集callbridge新增到TMS中。如果嘗試新增一個已檢測到作為群集一部分的TMS，則會出現錯誤。

**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現在已準備好在CMS上安排會議。如果向TMS中新增了多個網橋型別，則可以在**管理員工具 > 常規設定 > 會議設定**下，在下分配CMS，其中**Prefer MCU Type in Routing**欄位可以設定為Cisco Meeting Server。

## 驗證

## API通訊

以下是TMS和CMS之間的API通訊的示例，這些通訊從CMS日誌檔案中提取並啟用API debug logging。

## 將CMS新增到TMS

TMS會探尋並運行GET方法，從CMS中提取基本資訊。以下輸出顯示了為callbridge運行GET，然後為返回的每個特定callbridge運行GET的過程，並獲取其他資訊（如IP）。這是TMS發現群集中的其他伺服器的方式。它還為會議建立呼叫配置檔案和呼叫段配置檔案。

```
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

```

## 建立預留會議空間

在下面的示例中，TMS建立CoSpace批次引數集，其中包括會議ID的開始和編號資訊、定義每個會議例項名稱的名稱對映、在前一部分建立的呼叫配置檔案和呼叫段配置檔案，以及「nonMemberAccess」欄位設定為false，以防止使用者加入這些空間中的任何一個。

接下來TMS對sospaceBulkSyncs執行POST，該操作引用並運行先前建立的引數集。之後，它會對剛運行的批次同步ID執行GET，以確認進程已完成。

最後，TMS運行GET狀態以再次確認基本連線資訊。

```

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-b6b7-71alc4bdaf8e
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-b6b7-71alc4bdaf8e
Jul 26 14:12:31 user.info Core1 host:server: INFO : API trace 8955: POST for
"/api/v1/cospaceBulkSynchs" (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: 71alc4bdaf8e
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/cospaceBulkSynchs/071e7bf5-c0d8-4d2a-b321-7b07c799829c
Jul 26 14:12:33 user.info Core1 host:server: INFO : API trace 8956: GET for
"/api/v1/cospaceBulkSynchs/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-b6b7-71alc4bdaf8e</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>

```

## 建立預定會議和自動撥號

當會議開始時，TMS會首先為狀態和參與者執行GET ( 不確定此時會使用參與者的結果 )。接下來，TMS對coSpaces執行GET以檢視哪些正在使用。TMS選擇當前未用於計畫會話的範圍中的最低會議 ( 換句話說，如果一次只有一個會議，則TMS始終使用TMS\_Scheduled\_Meeting\_1 )。

確定要使用的會議後，TMS對該特定空間的ID執行PUT，更改名稱和nonMemberAccess許可權欄位，然後允許其他人加入會議。TMS還在該空間內建立一個呼叫例項以允許撥號控制。

接下來TMS對狀態、coSpaces和呼叫執行GET以檢查建立的例項。如果將CMS設定為自動撥號給會議中的任何參與者，則TMS會為呼叫段執行GET。為了發起到終端的新呼叫，TMS然後對先前建立新呼叫段建立的特定呼叫例項執行POST。此POST的內容中包括要在remoteParty」內容欄位中撥號的終端的URI。

使用此方法發起的任何呼叫都將依賴CMS上的出站撥號規則，因此必須正確配置它們。

```
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

```

## 擴展會議

當您延長會議時，TMS只需使用與建立時相同的內容欄位再次對特定空間執行PUT。在此案例中沒有用於空間超時的引數，因此此API命令不會真正使會議保持「活動」，但它確實用作瞭解從CMS端擴展會議的參考。

```
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"
```

## 結束/刪除會議

會議結束時，TMS會再次通過GET命令執行各種狀態檢查，然後再執行任何操作。接下來，TMS對要結束的會議對應的空間執行PUT，將名稱更改回其佔位符值，並將nonMemberAccess"設定為false，以便使用者和終端不再加入。

最後，TMS會傳送一個DELETE給在空間內建立的呼叫例項。

```
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

```

## 疑難排解

目前尚無適用於此組態的具體疑難排解資訊。