

TMS Scheduling with Conductor

Sunday, January 19, 2014 5:46 PM

To schedule Acano with TMS, you will need TMS 14.1 and Conductor x1.2 or higher. It is possible to use both in Free Evaluation mode. Conductor does not need anything more than to exist, it does not even need to be powered on after it is added to TMS. There is an alias option that becomes available in TMS whenever a Conductor is managed by TMS.

This functionality is best achieved on a TMS without any other MCU's managed (Codian MCU, TelePresence Server) due to the method of picking the best Bridge for scheduled calls.

First you must ensure a Conductor is online and reachable via the network.

Ensure SNMP is enabled on the Conductor

System >> SNMP

CISCO Cisco TelePresence Conductor

Status System Conference configuration Users Maintenance

SNMP

No release key installed: The TelePresence Conductor is running without a valid account representative to obtain release key and option keys.

Configuration

SNMP mode: v3 plus TMS support

Community name: public

System contact: Administrator

Location:

Username:

v3 Authentication

Authentication mode: Off

Change Default Password

You must also change the default password for Conductor, otherwise TMS will not connect to it on HTTPS.

The default password is TANDBERG. To change the admin password, navigate to Users >> Administrator Accounts

Select Admin.

Change the password. Save.

Configuration

Name * admin ⓘ

Access level Read-write ⓘ

Password * [Password]

Confirm password * ⓘ

Web access Yes ⓘ

API access Yes ⓘ

State Enabled ⓘ

You may now close Conductor, it will not be needed again.

Add Conductor to TMS

From within TMS, add Conductor as a managed device.

System >> Navigator

Add Systems

Specify the IP address of Conductor, click Next

Add Systems From List Pre-register Systems Add Room / Equipment

Specify Systems by IP Addresses or DNS names

Enter the IP address, DNS name or IP range of the systems to add. Each entry must be separated by a comma.
The following example will add two systems, and scan ten systems in range: user.tms.int, 10.0.0.1, 10.1.1.0 - 10.1.1.10

10.3.4.87

Enter Location Settings

ISDN Zone: CA IP Zone: CA

Time Zone: (UTC-08:00) Pacific Time (US & Canada)

TMS will say "Wrong Password" but check the box next to Conductor and "Add System Despite Warnings"

Add Result

Systems Found				
<input type="checkbox"/>	Network Address	System Name	System Type	Description
<input checked="" type="checkbox"/>	10.3.4.87	conductor	Cisco TelePresence Conductor	Wrong Password!

Add System Despite Warnings Remove Systems

Now Conductor will be added with multiple Warnings. Most of these will never go away, but that is normal.

Now click on Conductor and select "Connection" Here you will enter the custom password you created before.

You may now specify the Acano Port capacity and Alias(es) used to reach the server.

Aliases

Aliases are URI's that will be dialed from Endpoints to reach the Acano server. You will need to ensure there is already a Search rule on VCS or any equivalent Call Control device. These aliases can be a single URI or a range of URI's. For more detail on how they work, consult the [Conductor and TMS Configuration Guide Pg. 14](#).

Select Aliases within the Conductor in TMS.

Select "Edit Aliases"

Enter a name for the new Alias such as "Acano"

Enter an Alias pattern. For this example we are using a range of 1000 through 1009. The size of this range will be configured in a future step. For now just set the prefix of the range. The "%" will be configured as 0 through 9.

Click Save.

conductor
 System Type: Cisco TelePresence Conductor System status: Idle Network Address: 10.3.4.87
 Connectivity: Reachable on LAN

Summary Settings **Aliases** Managed Systems Connection Permissions Logs

View Aliases **Edit Aliases**

If the alias pattern contains a variable (%), Cisco TMS will generate an alias which can be modified during booking. Aliases that are in use cannot be deleted or have their patterns modified. Alias priority can be between 1 and 65535 with lower values having higher priority.

<input type="checkbox"/>	Name	Alias Pattern	Priority	Immersive	Description	In Use
<input type="checkbox"/>	Acano 100x	100%@glm3.com	10	<input type="checkbox"/>	Acano coSpaces 1000-1009	

Alias Range Configuration (Only Available in TMS 14.3+)

Settings >> Extended Settings

For the example we were using "%" as a range of 0 through 9. To configure that in Extended settings, choose the ID Base as the starting number "0".

The ID Step will increment the conferences one at a time.

The Numeric ID quantity will be the maximum number incremented from our base of 0 which is 9.

Save.

Summary **Settings** Aliases Managed Systems Connection Permissions Logs

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

Extended Settings

Numeric ID Base:

Numeric ID Step:

Numeric ID Quantity:

Configure Acano Port Capacity

Click Settings >> Edit Settings

Scroll Down to Call Settings

If you would like to set a capacity limit for the Acano Server, you will set it here. Unless this is a VM, it is very likely you will not need to change this setting, you may leave it as unlimited.

Call Settings

Max Number of Concurrent Scheduled Calls:

Select Protocols (Only Available in TMS 14.3+):

Scroll to the bottom of the page, here you will select the bookable protocols.

Acano is a SIP only Server, but if a VCS or similar interworking device is present you may be able to use H.323 as well. Check or uncheck these as appropriate. The recommendation is to use SIP only:

TMS Scheduling Settings

Allow Booking:	<input checked="" type="checkbox"/>	Allow Outgoing H.323 Dialing:	<input type="checkbox"/>
Allow Incoming H.323 Dialing:	<input type="checkbox"/>	Allow Outgoing SIP URI Dialing:	<input checked="" type="checkbox"/>
Allow Incoming SIP URI Dialing:	<input checked="" type="checkbox"/>		

Save.







You have now completed the configuration. You can book a call now.

Navigate to Booking >> New Conference.






Select Add Participants at the bottom.

New Conference

Basic Settings

Title: Start Time: 
 Type: 
 Owner: 
 Language: 
 End Time: 
 Duration:
 Time Zone: (UTC-08:00) Pacific Time (US & Canada)
 Recurrence: 

Advanced Settings

Picture Mode:  Billing Code:
 IP Bandwidth:  PIN:
 ISDN Bandwidth:  Extend Mode: 
 Secure:  ISDN Restrict

Participants


No participants added to the conference.



Find an endpoint to book, check it's box and move it to the right "Selected Participants" pane with the ">" sign.

Add Participants

Conference Time

Last Used | Endpoints and Rooms | MCUs | Phone Books | External | Templates | Equipment

	Name	Actions	10	11am	12pm	01	02	03	04	05	06	07	08	09	10	11pm
<input checked="" type="checkbox"/>	 George Martinez	Details														
1																

Click on the "External" tab and add 10 Dial In Participants to the call, using the ">" to move them over.

Add Participants

Conference Time

Last Used | Endpoints and Rooms | MCUs | Phone Books | **External** | Templates | Equipment

The external participant options are only intended for systems that cannot be booked directly from Cisco TMS, such as provisioned devices. Do not add infrastructure systems as external participants.

Direction:

Protocol:

Type:

Name: Qty:

Selected Participants

<input type="checkbox"/>	Name
<input type="checkbox"/>	George Martir
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In
<input type="checkbox"/>	IP Video Dial In

Once added. If this is the only MCU on TMS. Click OK and book the meeting.

If it is not the only MCU on TMS, you will need to specify the Conductor as the booking method.

Select the MCU tab and check the Conductor and move it over.

Add Participants

Conference Time

Last Used | Endpoints and Rooms | **MCUs** | F

Query

Search: Folder

<input type="checkbox"/>	Name	Actions	10	11am	12pm
<input checked="" type="checkbox"/>	conductor	Details			

1

Details

Now click OK.

You will now see all of the participants, if you click "Connection Settings" you will see the URI that will be used to connect to Acano:

Participants | **Connection Settings** | TelePresence Conductor Settings | Conference Information

<input type="checkbox"/>	Main Participant	Call Alternatives	To Participant	Number
<input type="checkbox"/>	conductor (1000@glm3.com)	[SIP] <--	George Martinez	1000@glm3.com
<input type="checkbox"/>	conductor (1000@glm3.com)	[H323-SIP] <--	IP Video Dial In	1000@glm3.com
<input type="checkbox"/>	conductor (1000@glm3.com)	[H323-SIP] <--	IP Video Dial In	1000@glm3.com
<input type="checkbox"/>	conductor (1000@glm3.com)	[H323-SIP] <--	IP Video Dial In	1000@glm3.com
<input type="checkbox"/>	conductor (1000@glm3.com)	[H323-SIP] <--	IP Video Dial In	1000@glm3.com

Select Main: Distribution: Refresh

It should show the endpoints connecting to the 1000@glm3.com alias we specified as the first conference.

Click Save Conference.

The confirmation should now show the correct dial in method for the endpoints. If it does, you are successful.

The conference has been saved.

Conference title: Acano Test 1
Conference id: 108

Participant(s):
George Martinez IP: 10.3.4.53
10 x IP Video Dial In
conductor

The participants will connect using this route
George Martinez connects to conductor (SIP: 1000@glm3.com) 10 x IP Video Dial In connects to conductor (H.323: 1000@glm3.com)

The following are the results of different Connection Types when booking Acano:

Automatic Connect
One Button To Push
Manual Connect
No Connect
Reservation

Automatic Connect - Will book, but will fail to autoconnect.

One Button to Push - Will show OBTP on endpoint and connect successfully

Manual Connect - Will book the endpoint and resources in TMS. You must manually dial URI. Connecting from CCC fails.

No Connect - Will book the endpoint and resources in TMS. You must manually dial URI.

Reservation - Will not book Acano.

Hybrid Environment:

Things to consider when another Mcu is present in TMS:

TMS will determine the best MCU to book unless specified. You may want to consider these options:

Administrator Tools >> Configuration >> Conference Settings

Advanced Conference Options	
External MCU Usage in Routing:	Always, except point to point
Preferred MCU Type in Routing:	Cisco TelePresence Conductor

Conductor:

It is normal for Conductor to have several errors such as:



conductor

System Type: Cisco TelePresence Conductor
LAN

System status: Idle

Network Ad...

Summary

Settings

Aliases

Managed Systems






Connection

Permissions

Lo...

Tickets

Open Tickets:

-  **#642 - No conference templates** (1/19/2014 6:00:47 PM)
System Major Ticket More...
-  **#641 - Conferencing functionality disabled** (1/19/2014 6:00:47 PM)
System Major Ticket More...
-  **#640 - No Service Preferences** (1/19/2014 6:00:47 PM)
System Major Ticket More...
-  **#639 - No conference bridges configured** (1/19/2014 6:00:47 PM)
System Major Ticket More...
-  **#636 - Incorrect Management Address** (1/19/2014 6:00:47 PM)
The management address on the system is incorrectly configured. Call status and reporting n
incorrect for this system More...

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