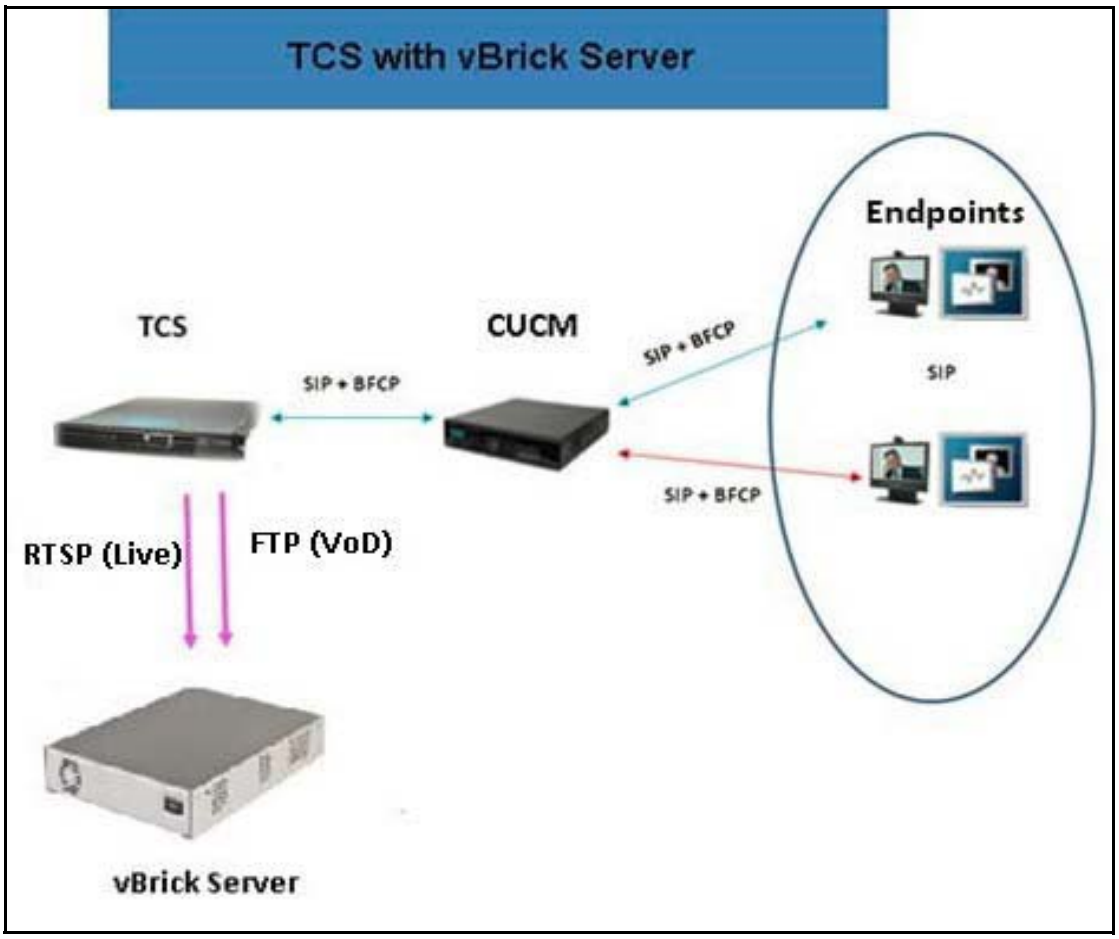
Cisco TelePresence Content Server Integration with VBrick

Integration Overview

What is the Cisco TelePresence Content Server

The Cisco TelePresence Content Server (Cisco TCS) is a network appliance that enables organizations to share knowledge and enhance communication by recording their video conferences and multimedia presentations for live and on demand access. The Cisco TCS can be scheduled by Cisco TMS to automatically include the Cisco TCS into any scheduled event or be used in an ad - hoc manner. The Cisco TCS workflow will automatically produce high quality videos of any standards based on conference from a MCU, TelePresence Server, or directly from a TelePresence endpoint including the video participants and any secondary content for example a presentation. Whether it's a university lecture, a corporate training session, an executive meeting or any other critical event – the Cisco TelePresence Content Server streamlines the process of capturing content throughout the organization.

Figure 2-1 TCS Integration with VBrick



What is VBrick DME

The VBrick Distribute Media Engine (DME) is a multi-faceted platform that performs a variety of serving, reflecting, transmuxing, and transrating activities. DME receives a unicast stream over the WAN link (often over TCP) to effectively traverse the LAN and pass through firewalls. The DME streams via unicast and/or multicast to a variety of different clients in the streaming protocol of choice for each client.

The DME has a fully functional web server that uses File Transfer Protocol (FTP) to populate the DME with files for progressive download. You can FTP to the FTP folder on the DME or to a sub folder.

It is a versatile, high configurable media distribution engine that moves streaming media to and from a wide variety sources and endpoints. You can distribute your video to anyone with the DME.

Prerequisites

- Cisco TCS software requirements

– TCS 7.0

Limitations

- VBrick VoD and VBrick Live playback does not support on TCS User Interface (UI). TCS will act as a recoding device for VBrick integration.

Configuring Cisco TelePresence Content Server

Perform these tasks:

1. Configuring Media Server for VBrick VoD
2. Configuring Template for VBrick VoD
3. Configuring Recording Alias for VBrick VoD

Configuring Media Server for VBrick VoD

You need to create the Media server configuration in the Cisco TCS. Follow these steps for VBrick VoD:

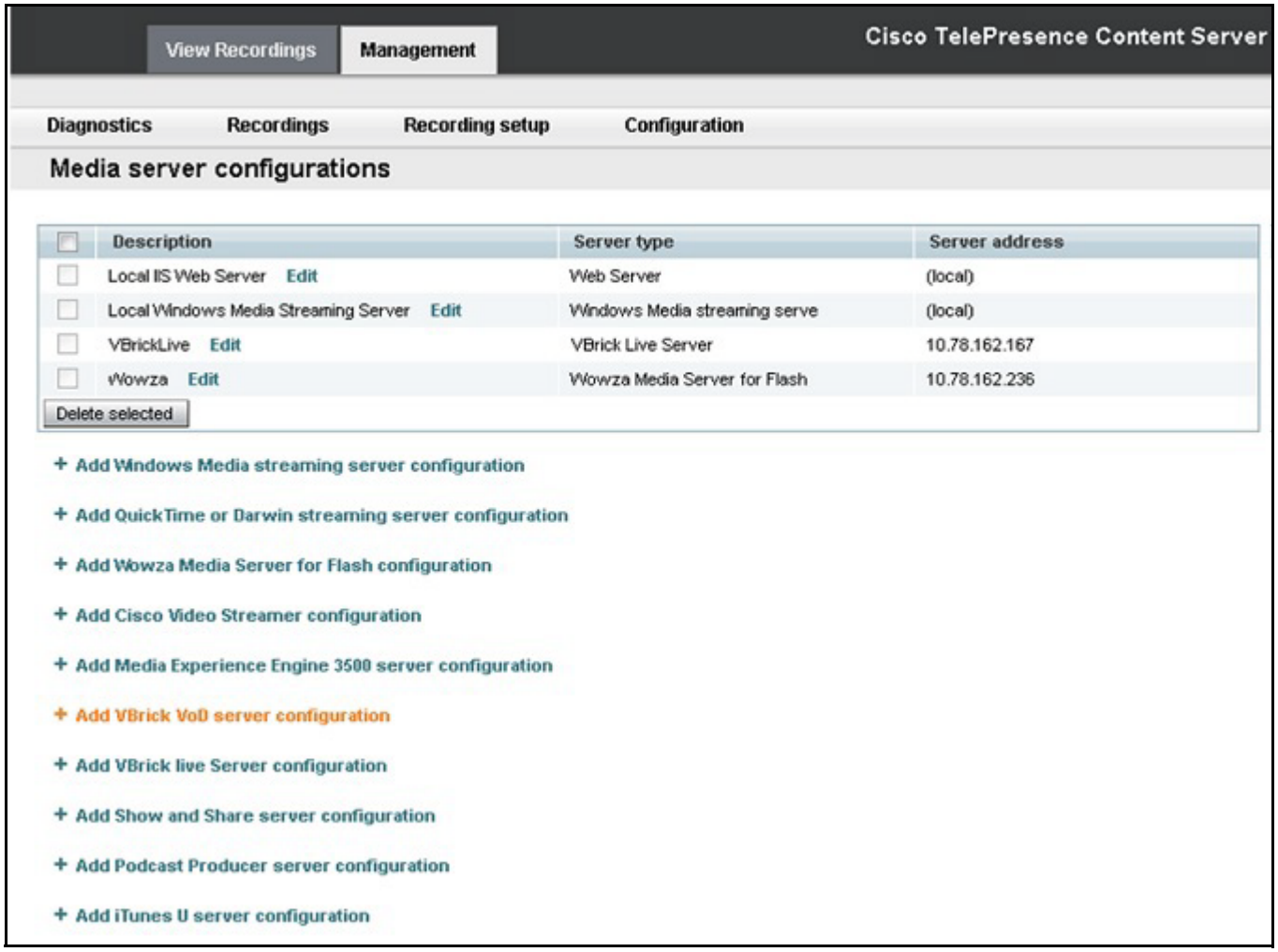
Step 1 Log in to Cisco TCS

Step 2 Click **Management** tab.

Step 3 Navigate to **Recording setup > Media server configurations**.

Step 4 Click **VBrick VoD server configuration**.

Figure 2-2 VBrick VoD server configuration



Step 5 Enter the name for VBrick server.

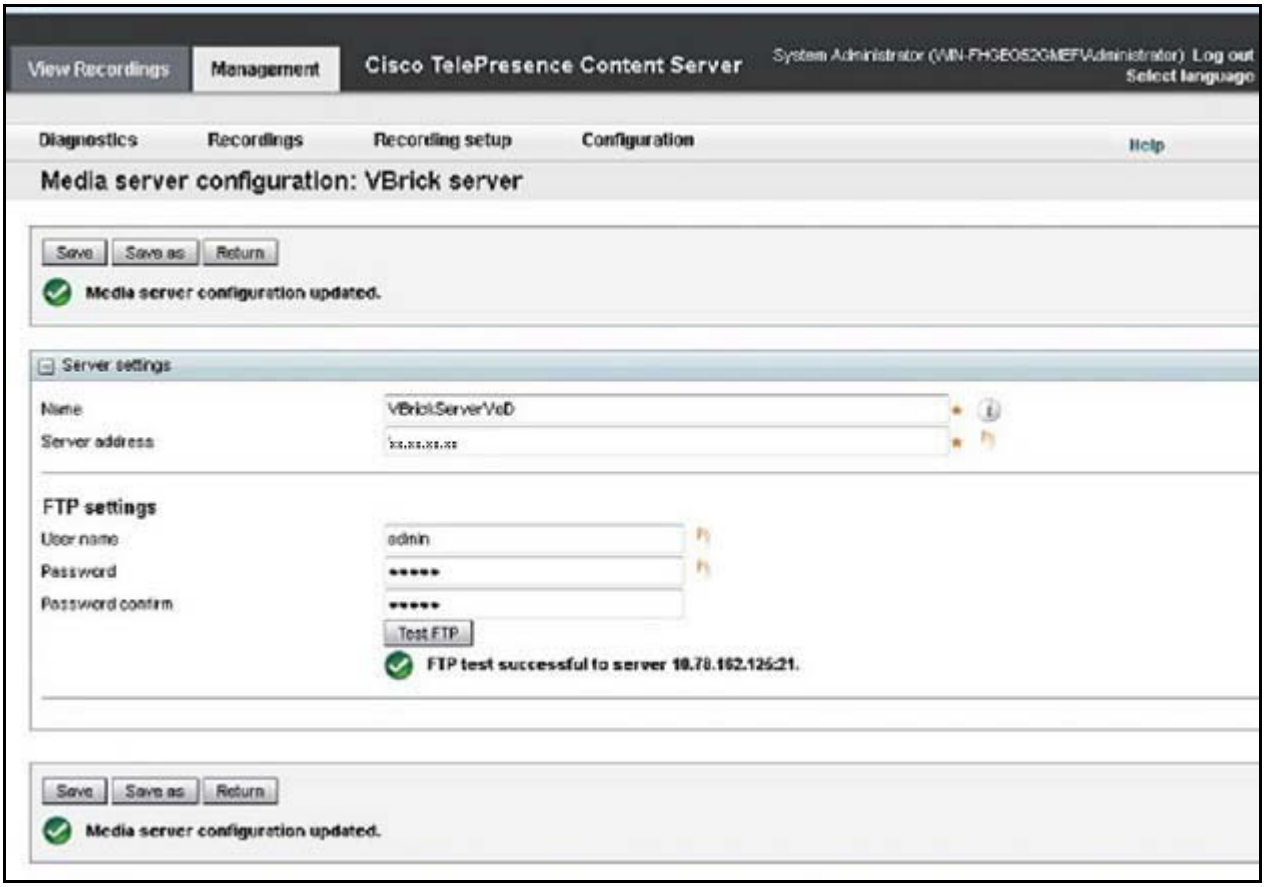
Step 6 Enter the VBrick server address, **ftp** username and password.

- Click the **Test FTP** button to test the FTP connection.

Note An error message is displayed, if FTP connection is not established.

Step 7 Click **Save**.

Figure 2-3 FTP setting



Green check mark indicates the successful connection of FTP.

Step 8 Click **Return**.

Configuring Template for VBrick VoD

You need to associate the template to the recording alias to automate the delivery of the transformed recording to VBrick. Follow these steps:

Step 1 Click the **Management** tab, appearing at the top of the screen.

Step 2 Click **Recording > Setup > Templates > Add Template**.

Step 3 Under Template section do the following:

a. Add Template name for **VBrick VoD**.

b. Check the option '**Distribute to Media Experience Engine 3500, VBrick, Show and Share, Podcast Producer or iTunes U**'.

c. Decide which media layout to be displayed Cisco TCS web interface. For this example, **Switching** is chosen.

d. Under '**Outputs for Distribution to Podcast Producer, VBrick, or iTunes U**', choose the media layout for VBrick output. By default switching would be selected.

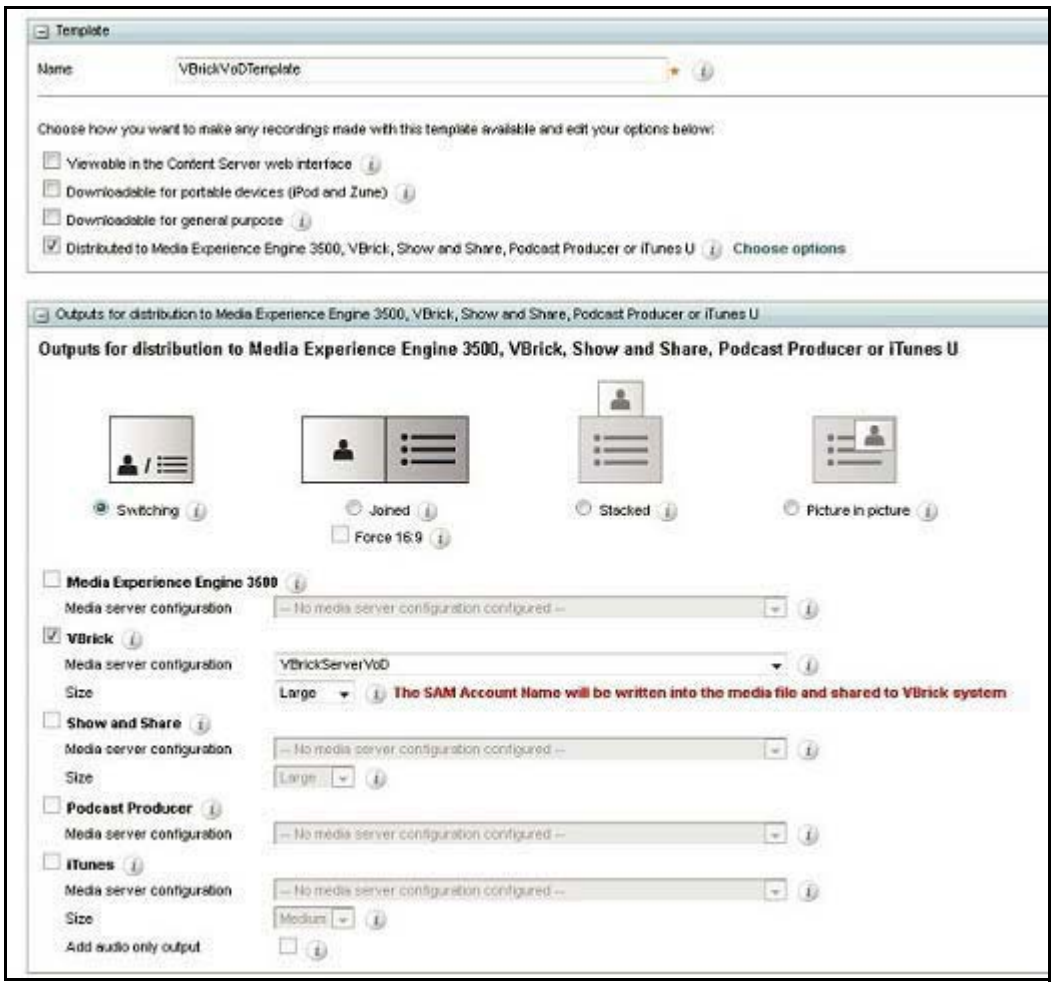
e. Check the box next to the VBrick to enable the media server. Under Media Server Configuration list, select VBrick Server from the VBrick drop down.

Note This media server has been created in step 1 under the '**Media Server Configuration**' section.

f. Choose the size of the output that will be used to upload to VBrick.

Note The SAM account name will be written into the media file and shared to the VBrick system.

Figure 2-4 Output distribution



Step 4 Scroll to the top or bottom, click **Save** and click **Return**.

Configuring Recording Alias for VBrick VoD

Step 1 Click the tab at the top labeled Management.

Step 2 Click **Recording Setup > Recording Aliases > Add Recording Alias**.

Step 3 A new page will appear, fill the recording aliases information.

a. Enter a Name for the recording alias, **VBrick VoD**.

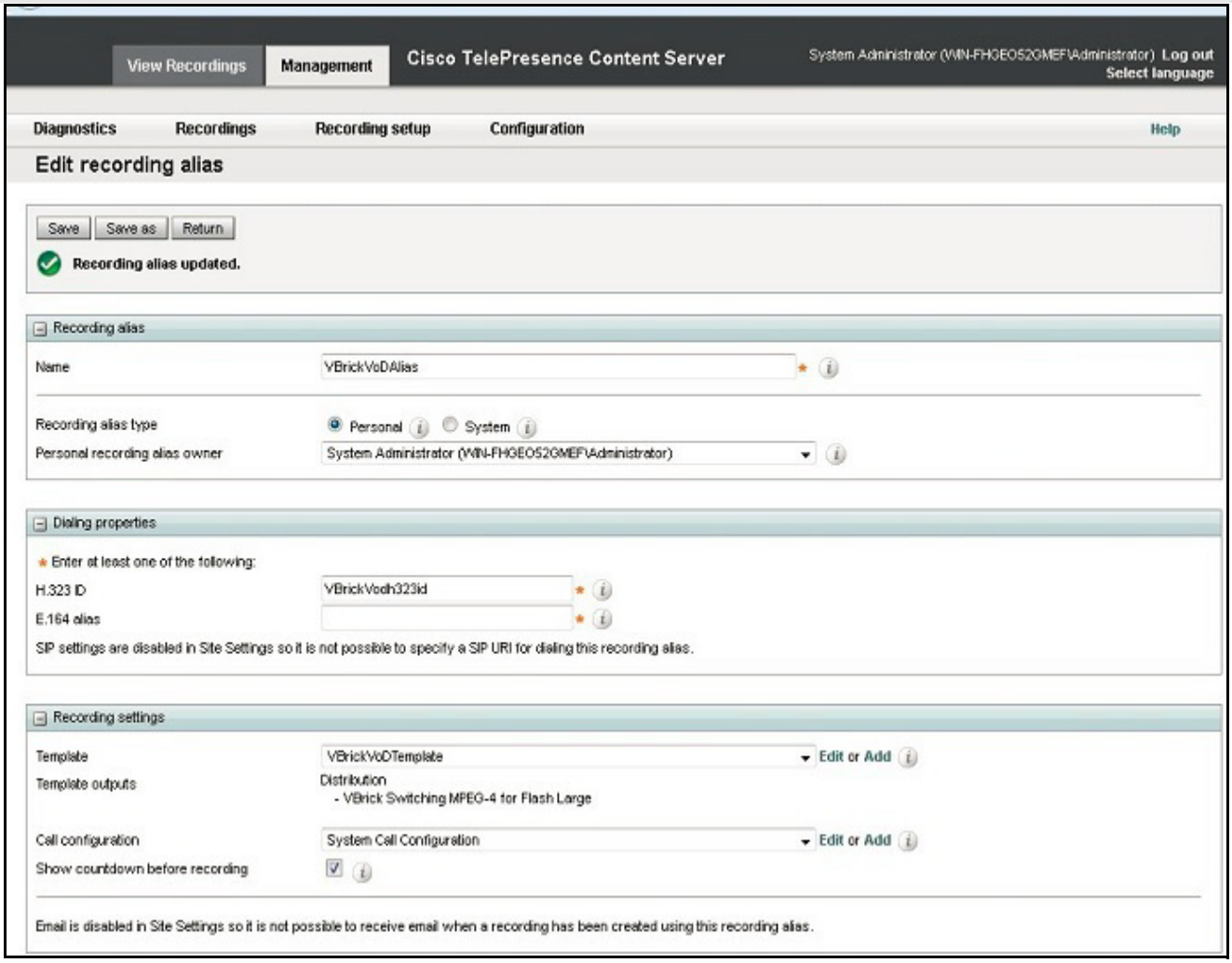
Note The “Personal Recording Alias owner” for VBrick should match with the user on VBrick Rev.

b. Enter the **H323ID, e164alias, SIP URI**, and SIP display name. Below is an example of the configuration.

c. Under the Recording Setting, select **VBrick VoD** template from the Template drop down.

Note This is the same template created in **Configuring Template for VBrick VoD** section **> Step 3> point a**.

Figure 2-5 Recording Alias



Step 4 Click **Save** and click **Return**.

Configuring Media Server for VBrick Live

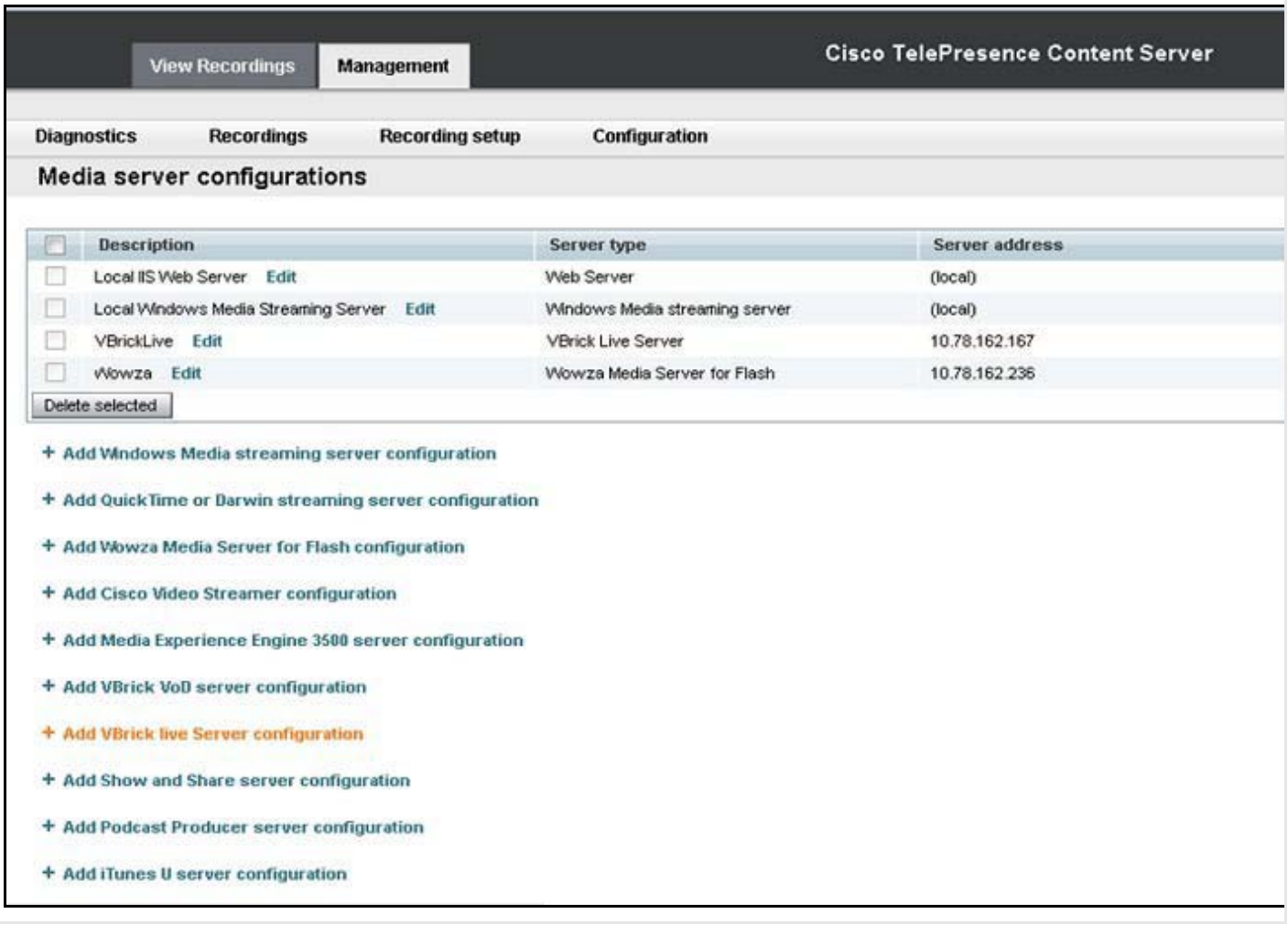
You need to create the Media server configuration in the Cisco TCS. Follow these steps for VBrick Live:

Step 1 Log in to Cisco TCS, and click the Management tab.

Step 2 Navigate to Recording setup > Media server configurations.

Step 3 Click **VBrick live Server for Flash configuration**.

Figure 2-6 Media server configuration



Step 4 Enter the name for VBrick Live server.

Step 5 Enter the VBrick server address, **VBrick server** username and password.

Note The default username and password for VBrick server is '**broadcast**'.

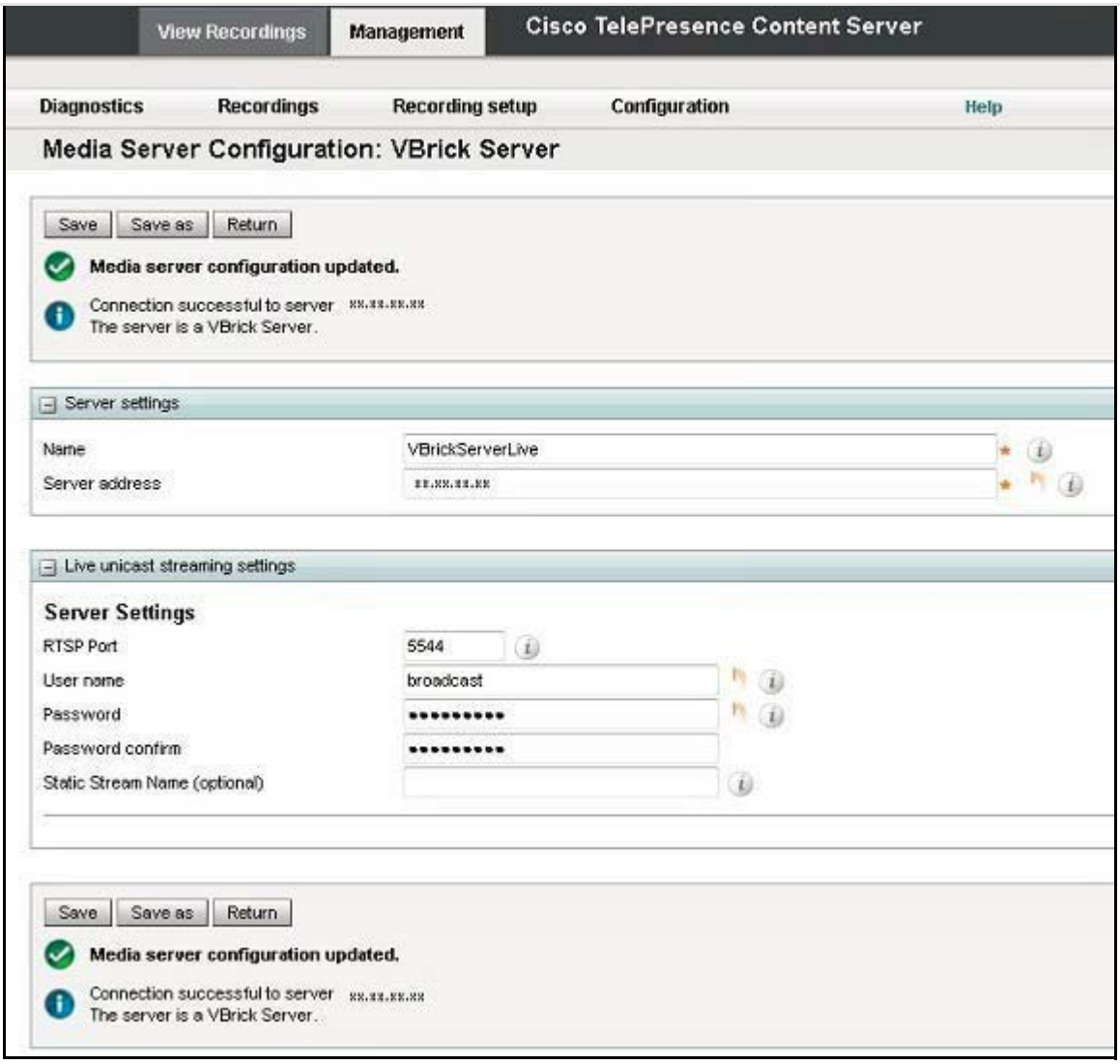
Step 6 Enter the RTSP port.

Note The default value of **RTSP** port for VBrick is **5544**.

Step 7 Click **Save**.

Note An error message is displayed, if RTSP connection is not established.

Figure 2-7 Media Server Configuration: VBrick Server



Note To view Live recording on VBrick Rev Portal, it is mandatory to give static stream name.

Green checkmark indicates the successful connection of RTSP.

Step 8 Click **Return**.

Configuring Template for VBrick Live

You need to associate the template to the recording alias to automate the delivery of the transformed recording to VBrick. Follow these steps:

Step 1 Click the **Management tab**, appearing at the top of the screen.

Step 2 Click **Recording > Setup > Templates > Add Template**.

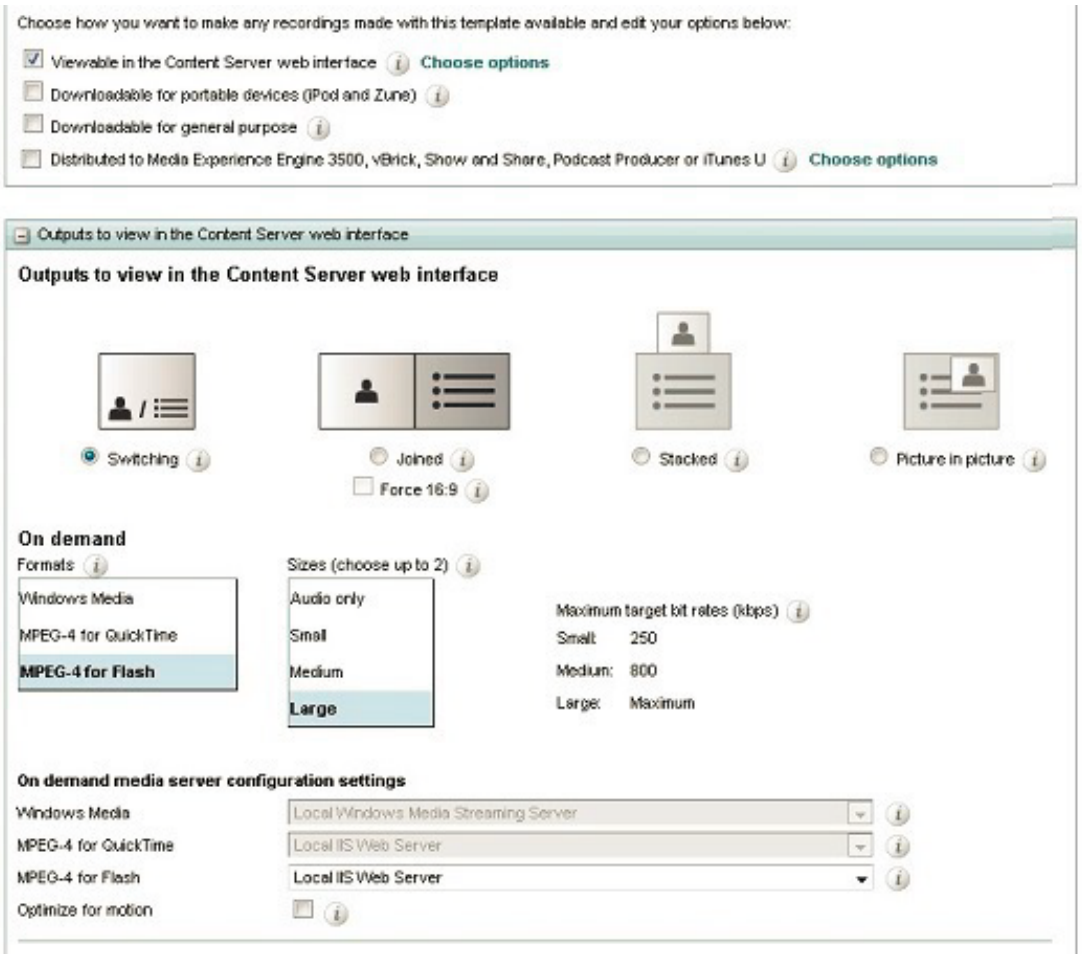
Step 3 Under Template section do the following:

a. Add Template name for VBrick Live.

b. Check the '**Viewable in the Content Server web interface**'.

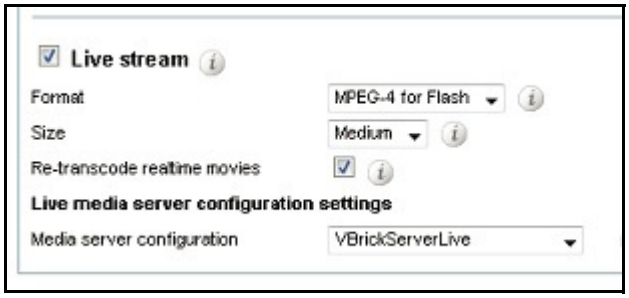
c. Decide which media layout to be displayed on Cisco TCS web interface. For this example, **Switching** is chosen.

Figure 2-8 layout display



d. Choose the MPEG-4 for Flash and size of the output that will be used to upload to VBrick. For this example a large output was chosen.

Figure 2-9 Live stream



e. Select the **Live stream** check box.

f. Choose the **VBrick Media Server** from the drop-down list.

g. Click **Save**.

Note You must select the option in Media server configuration that you have selected for VBrick server.

Note VBrick Live and VBrick VoD can be configured in a single template.

Configuring Recording Alias for VBrick Live

Step 1 Click the tab at the top labeled **Management**.

Step 2 Click **Recording Setup > Recording Aliases > Add Recording Alias**.

Step 3 A new page will appear to fill out the recording aliases information.

a. Enter a Name for the recording alias, for VBrick Live.

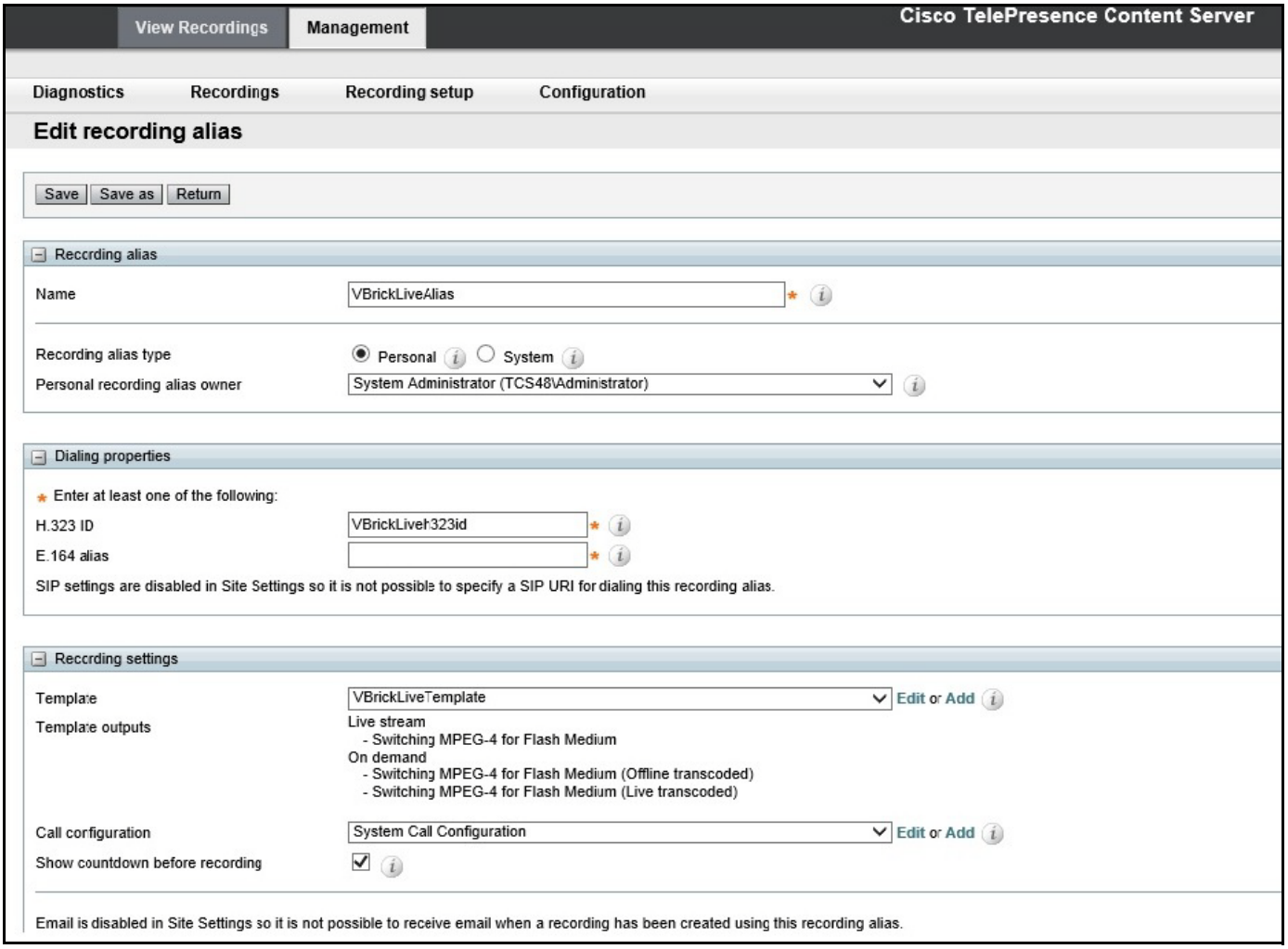
Note The “Personal Recording Alias owner” for VBrick should match with the user on VBrick Rev.

b. Enter the H**323ID, e164alias, SIP URI,** and SIP display name. Below is an example of the configuration.

c. Under the Recording Setting, select **VBrick Live** template from the Template drop down list.

Note The template you select under **Step 3 > c** is the same the template that was created in **Configuring Template for VBrick Live** section **Step 3 > a**.

Figure 2-10 Recording alias



Step 4 Scroll to the top or bottom, click **Save**.

Step 5 Click **Return**.

Installing VBrick DME (Software only version)

For VBrick DME Admin Guide, see the link

http://www.vbrick.com/doc/DME/v344/AdminGuide/wwhelp/wwhimpl/js/html/wwhelp.htm

Related Documentation

For additional product information, see these resources on Cisco.com.

VBrick

http://www.vbrick.com/doc/DME/v344/AdminGuide/wwhelp/wwhimpl/js/html/wwhelp.htm

http://www.vbrick.com/doc/DME/v344/PDF_Files/DME_ReleaseNotes.pdf

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