



# Cisco TelePresence Content Server Integration with VBrick

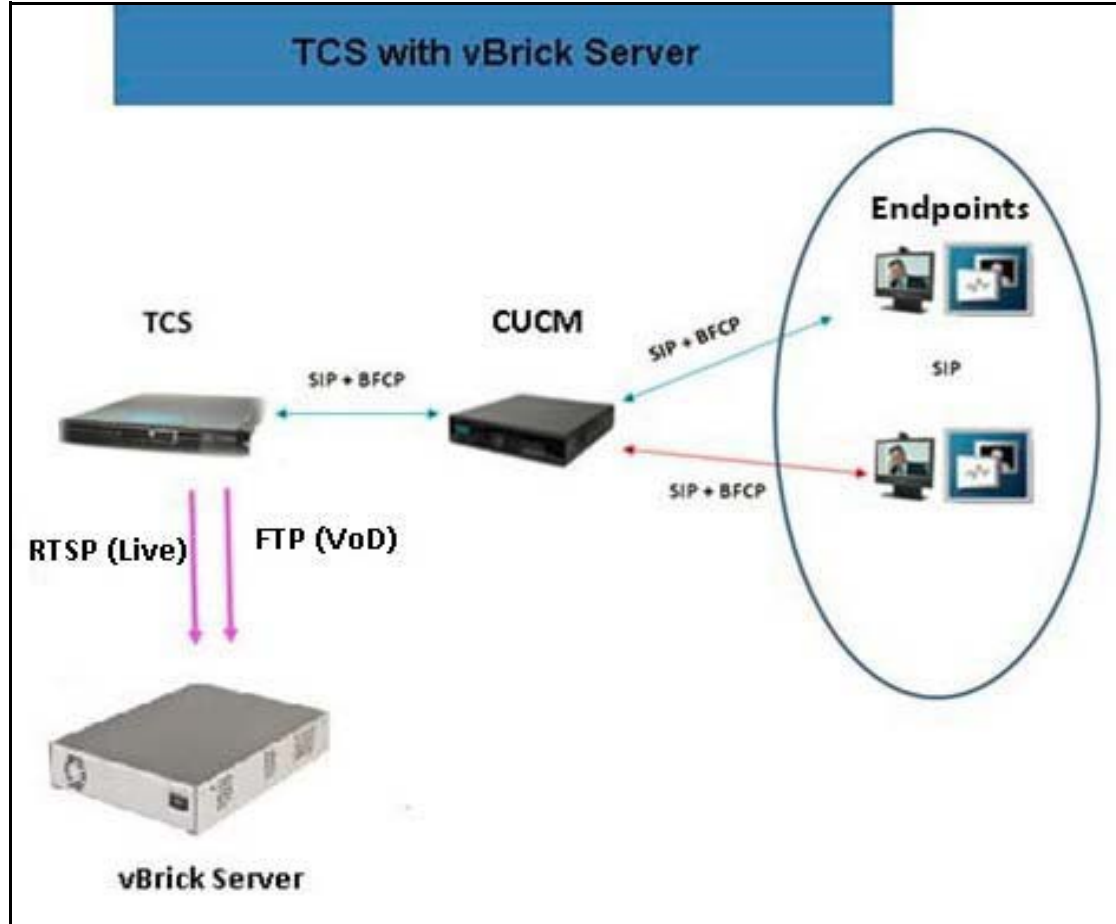
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## Integration Overview

### 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:

- 
- |               |   |
|---------------|---|
| <b>Step 1</b> | Log in to Cisco TCS   |
| <b>Step 2</b> | Click <b>Management</b> tab.  |
| <b>Step 3</b> | Navigate to <b>Recording setup &gt; Media server configurations</b> . |
| <b>Step 4</b> | Click <b>VBrick VoD server configuration</b> .                        |

Figure 2-2 VBrick VoD server configuration

The screenshot shows the Cisco TelePresence Content Server Management interface. The top navigation bar includes 'View Recordings' and 'Management'. Below this, there are tabs for 'Diagnostics', 'Recordings', 'Recording setup', and 'Configuration'. The main content area is titled 'Media server configurations' and contains a table with the following data:

<input type="checkbox"/>	Description	Server type	Server address
<input type="checkbox"/>	Local IIS Web Server <a href="#">Edit</a>	Web Server	(local)
<input type="checkbox"/>	Local Windows Media Streaming Server <a href="#">Edit</a>	Windows Media streaming serve	(local)
<input type="checkbox"/>	VBrickLive <a href="#">Edit</a>	VBrick Live Server	10.78.162.167
<input type="checkbox"/>	Wowza <a href="#">Edit</a>	Wowza Media Server for Flash	10.78.162.236

Below the table is a 'Delete selected' button. Underneath, there is a list of configuration options, each preceded by a plus sign (+):

- + Add Windows Media streaming server configuration
- + Add QuickTime or Darwin streaming server configuration
- + Add Wowza Media Server for Flash configuration
- + Add Cisco Video Streamer configuration
- + Add Media Experience Engine 3500 server configuration
- + Add VBrick VoD server configuration
- + Add VBrick live Server configuration
- + Add Show and Share server configuration
- + Add Podcast Producer server configuration
- + Add iTunes U 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

The screenshot shows the 'Template' configuration page for 'VBrickVoDTemplate'. It includes several sections for configuring output distribution:

- Choose how you want to make any recordings made with this template available and edit your options below:**
  - Viewable in the Content Server web interface
  - Downloadable for portable devices (iPod and Zune)
  - Downloadable for general purpose
  - Distributed to Media Experience Engine 3500, VBrick, Show and Share, Podcast Producer or iTunes U
- Outputs for distribution to Media Experience Engine 3500, VBrick, Show and Share, Podcast Producer or iTunes U**
  - Four output layout icons: **Switching** (selected), **Joined**, **Stacked**, and **Picture in picture**. There is also a **Force 16:9** checkbox.
  - Media Experience Engine 3500**: . Media server configuration: No media server configuration configured.
  - VBrick**: . Media server configuration: VBrickServerVoD. Size: Large. A red warning message states: "The SAM Account Name will be written into the media file and shared to VBrick system".
  - Show and Share**: . Media server configuration: No media server configuration configured. Size: Large.
  - Podcast Producer**: . Media server configuration: No media server configuration configured.
  - iTunes**: . Media server configuration: No media server configuration configured. Size: Medium.
  - Add audio only output**:

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

## Configuring Recording Alias for VBrick VoD

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



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

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- Enter the **H323ID**, **e164alias**, **SIP URI**, and SIP display name. Below is an example of the configuration.
- Under the Recording Setting, select **VBrick VoD** template from the Template drop down.



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

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Figure 2-5 Recording Alias

The screenshot shows the 'Edit recording alias' configuration page in the Cisco TelePresence Content Server Management interface. The page is titled 'Edit recording alias' and includes a success message: 'Recording alias updated.' with a green checkmark. The configuration is organized into three main sections:

- Recording alias:**
  - Name: VBrickVoDAlias
  - Recording alias type: Personal (selected), System
  - Personal recording alias owner: System Administrator (WIN-FH3E052GMEF\Administrator)
- Dialing properties:**
  - Enter at least one of the following:
  - H.323 ID: VBrickVodh323id
  - E.164 alias: (empty)
  - Note: SIP settings are disabled in Site Settings so it is not possible to specify a SIP URI for dialing this recording alias.
- Recording settings:**
  - Template: VBrickVoDTemplate (Edit or Add)
  - Template outputs: Distribution - VBrick Switching MPEG-4 for Flash Large
  - Call configuration: System Call Configuration (Edit or Add)
  - Show countdown before recording:  (Info)
  - Note: Email is disabled in Site Settings so it is not possible to receive email when a recording has been created using this 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

The screenshot displays the 'Management' tab of the Cisco TelePresence Content Server. Under the 'Configuration' sub-tab, the 'Media server configurations' section is active. It features a table with columns for 'Description', 'Server type', and 'Server address'. Below the table are several '+ Add' buttons for different server configurations.

<input type="checkbox"/>	Description	Server type	Server address
<input type="checkbox"/>	Local IIS Web Server <a href="#">Edit</a>	Web Server	(local)
<input type="checkbox"/>	Local Windows Media Streaming Server <a href="#">Edit</a>	Windows Media streaming server	(local)
<input type="checkbox"/>	VBrickLive <a href="#">Edit</a>	VBrick Live Server	10.78.162.167
<input type="checkbox"/>	Wowza <a href="#">Edit</a>	Wowza Media Server for Flash	10.78.162.236

Buttons below the table:

- + Add Windows Media streaming server configuration
- + Add QuickTime or Darwin streaming server configuration
- + Add Wowza Media Server for Flash configuration
- + Add Cisco Video Streamer configuration
- + Add Media Experience Engine 3500 server configuration
- + Add VBrick VoD server configuration
- + Add VBrick live Server configuration
- + Add Show and Share server configuration
- + Add Podcast Producer server configuration
- + Add iTunes U 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:
- Add Template name for VBrick Live.
  - Check the 'Viewable in the Content Server web interface'.
  - Decide which media layout to be displayed on Cisco TCS web interface. For this example, **Switching** is chosen.

*Figure 2-8 layout display*

Choose how you want to make any recordings made with this template available and edit your options below:

- Viewable in the Content Server web interface Choose options
- Downloadable for portable devices (iPod and Zune)
- Downloadable for general purpose
- Distributed to Media Experience Engine 3500, vBrick, Show and Share, Podcast Producer or iTunes U Choose options

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Outputs to view in the Content Server web interface

Outputs to view in the Content Server web interface

Switching  
 Joined  
 Stacked  
 Picture in picture

Force 16:9

**On demand**

Formats

- Windows Media
- MPEG-4 for QuickTime
- MPEG-4 for Flash**

Sizes (choose up to 2)

- Audio only
- Small
- Medium
- Large**

Maximum target bit rates (kbps)

- Small: 250
- Medium: 800
- Large: Maximum

**On demand media server configuration settings**

Windows Media: Local Windows Media Streaming Server

MPEG-4 for QuickTime: Local IIS Web Server

MPEG-4 for Flash: Local IIS Web Server

Optimize for motion:

- 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

**Live stream** ⓘ  
 Format: MPEG-4 for Flash ⓘ  
 Size: Medium ⓘ  
 Re-transcode realtime movies:  ⓘ  
**Live media server configuration settings**  
 Media server configuration: VBrickServerLive

- 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 **H323ID**, **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

The screenshot shows the 'Edit recording alias' configuration page in the Cisco TelePresence Content Server Management interface. The page is divided into several sections:

- Recording alias:**
  - Name: VBrickLiveAlias
  - Recording alias type: Personal (selected), System
  - Personal recording alias owner: System Administrator (TCS48\Administrator)
- Dialing properties:**
  - Enter at least one of the following:
  - H.323 ID: VBrickLive323id
  - E.164 alias: (empty)
  - SIP settings are disabled in Site Settings so it is not possible to specify a SIP URI for dialing this recording alias.
- Recording settings:**
  - Template: VBrickLiveTemplate
  - Template outputs:
    - Live stream
    - On demand
    - Switching MPEG-4 for Flash Medium (Offline transcoded)
    - Switching MPEG-4 for Flash Medium (Live transcoded)
  - Call configuration: System Call Configuration
  - Show countdown before recording:

At the bottom of the page, it states: "Email is disabled in Site Settings so it is not possible to receive email when a recording has been created using this 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](http://www.vbrick.com/doc/DME/v344/PDF_Files/DME_ReleaseNotes.pdf)

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