

使用VBrick DME和VBrick Rev配置TCS Live流媒體和影片點播並對其進行故障排除

目錄

[簡介](#)

[必要條件](#)

[需求](#)

[採用元件](#)

[背景資訊](#)

[設定](#)

[網路圖表](#)

[組態](#)

[驗證](#)

[疑難排解](#)

簡介

本文檔介紹配置思科網真內容伺服器(TCS)即時流和影片點播(VoD)與VBrick Distributed Media Engine(DME)伺服器和VBrick Rev伺服器整合的步驟以及對其進行故障排除的步驟。VBrick與TCS的整合已從版本s6.2.1及更高版本中新增。

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必要條件

需求

- Cisco TCS s6.2.1及更高版本
- VBrick DME
- VBrick Rev (VoD整合所必需的)

注意：通過SSL的FTP(FTPS)VoD配置需要Cisco TCS s7.2及更高版本

採用元件

本檔案中的資訊是根據以下軟體和硬體版本：

1. TCS 7.2
2. VBrick DME 3.15.0 Rhel7
3. VBrick Rev 7.14(用於VoD整合)

本文中的資訊是根據特定實驗室環境內的裝置所建立。此處使用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。

背景資訊

可以配置兩種型別的整合：

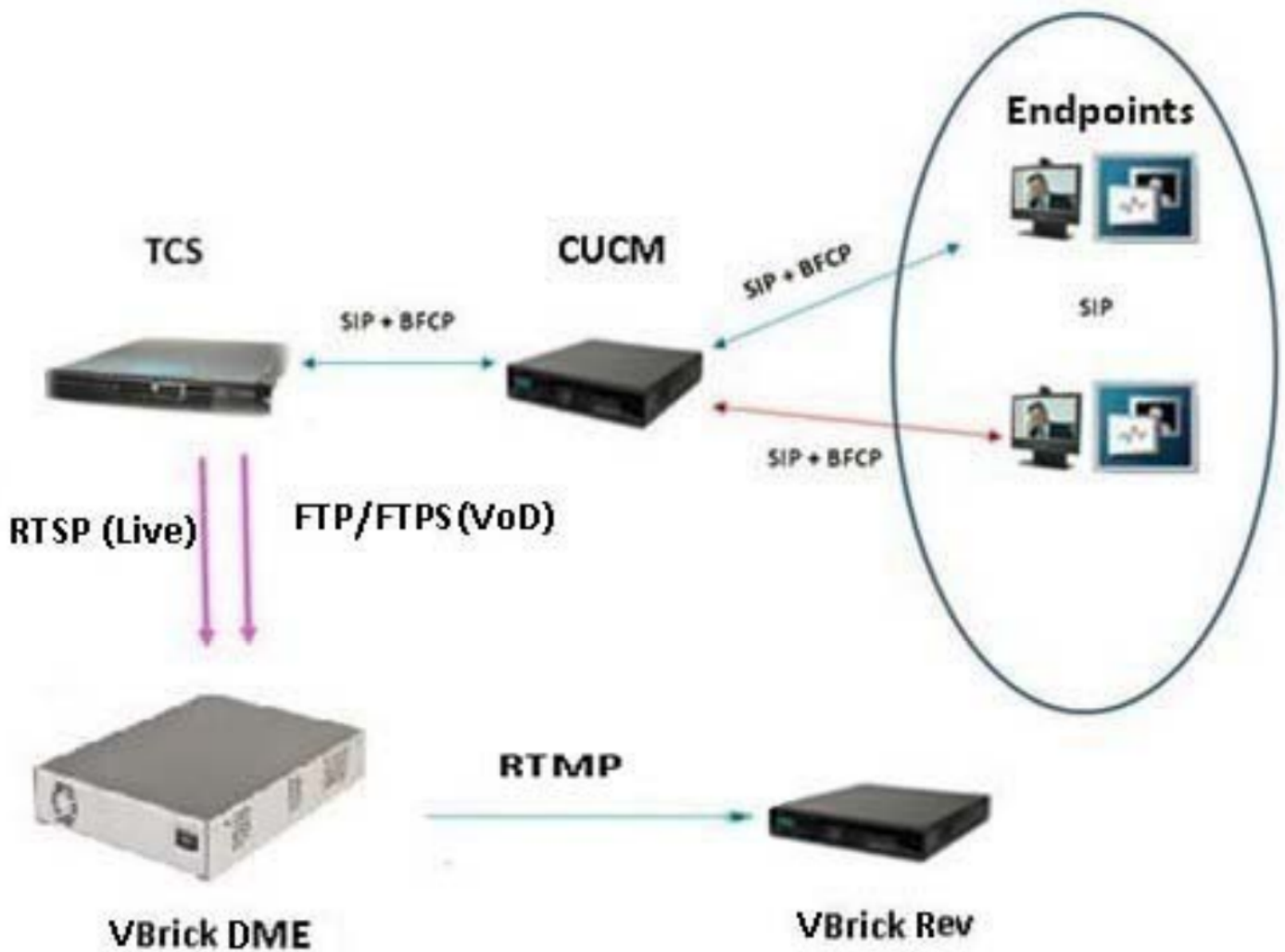
- 1.直播流（網播）和
- 2.影片點播

Live Streaming與VBrick DME的整合允許使用者從不同裝置觀看網路內任何地方的任何即時流量TCS會議，此外，當VBrick Rev與VBrick DME一起使用時，這擴展了從網路外部檢視每個VBrick Rev授權使用者的功能。

VoD與VBrick DME和VBrick Rev的整合允許VBrick Rev授權使用者從不同裝置觀看任何由網路內外的TCS建立的已提交錄製。

設定

網路圖表



組態

- 1.直播流（網播）整合。

1a新增VBrick Live Server配置。

在TCS Web介面中，轉至Management > Recording setup > Media server configurations，然後點選「+ Add VBrick Live Server Configuration」連結：

The screenshot shows the 'Management' tab in the 'CHRRUIZ TCS 7.2 for vBrick' interface. The 'Recording setup' section is active, displaying 'Media server configurations'. A table lists existing configurations:

Description	Server type	Server address
Local IIS Web Server Edit	Web Server	(local)
vBrick Live Edit	VBrick Live Server	10.88.246.108
vBrick VoD Edit	VBrick VoD Server	10.88.246.108

Below the table, a list of options to add new configurations is shown. The option '+ Add VBrick Live Server Configuration' is highlighted with a red box.

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

The footer of the interface reads: Cisco TelePresence Content Server v7.2 Build 4349

填寫媒體伺服器配置的欄位：

名稱	用於標識媒體伺服器的名稱
伺服器地址	Vbrick DME的IP或FQDN
RTSP埠	在Vbrick中配置的多協定伺服器RTSP埠號。預設值為5544。
使用者名稱	在Vbrick中配置的流輸入身份驗證使用者名稱。預設使用者名稱是「broadcast」
密碼	在Vbrick中配置的流輸入身份驗證密碼。預設密碼為「broadcast」
密碼確認	確認密碼
靜態流名稱	您使用的名稱將標識網路中的流。如果未填寫，TCS將在建立時為流附加一個隨機名稱。即使Web介面建議這是可選的，也強烈建議對其進行配置。此外，如果將Vbrick Rev與VBrick DME一起使用，則此欄位的配置是必需的。

System Administrator (CHRRUIZ-TCS72Administrator) Log out
Select language



CHRRUIZ TCS 7.2 for vBrick

View Recordings Management



Diagnostics Recordings Recording setup Configuration Help

Media Server Configuration: VBrick Server

Save Return






 Media server configuration added.
 RTSP test successful to server vbrickdme.chrruiz.lab.
 The server is a VBrick Server.

Server settings



Name vBrick Live 2 
 Server address vbrickdme.chrruiz.lab 

Live unicast streaming settings

Server Settings

RTSP Port 5544 
 User name broadcast 
 Password ***** 
 Password confirm ***** 
 Static Stream Name (optional) LiveTCS2 

Save Return

 Media server configuration added.
 RTSP test successful to server vbrickdme.chrruiz.lab.
 The server is a VBrick Server.

Cisco TelePresence Content Server v7.2 Build 4349

如果成功連線到VBrick DME，您將收到以下確認消息：" RTSP測試成功到達伺服器'您的DME IP地址或主機名'。伺服器是VBrick伺服器。":

1b新增用於VBrick Live流式處理的模板：

在TCS Web介面中，轉至Management > Recording setup > Templates，然後按一下「+ Add template」連結：

System Administrator (CHRRUIZ-TCS72Administrator) Log out
Select language

CHRRUIZ TCS 7.2 for vBrick

View Recordings Management

Diagnostics Recordings Recording setup Configuration Help

Templates

Name
<input type="checkbox"/> vBrick Live Template Edit
<input type="checkbox"/> VBrick VoD Template Edit
<input type="checkbox"/> Windows Media Single On Demand Only Edit
<input type="checkbox"/> Windows Media Stacked On Demand Only Edit

Delete selected

+ Add template

Cisco TelePresence Content Server v7.2 Build 4349

填寫並選擇VBrick Live模板配置的欄位：

名稱

選擇您希望如何使用此模板製作的任何錄音可用，並編輯以下

用於標識Vbrick Live模板的名稱。

只選中「Viewable in the Content Server web interface」選項。

選項：

要在Content Server Web介面中
檢視的輸出>要在Content Server
Web介面中檢視的輸出

根據您的錄製和流傳輸需求選擇您選擇的一個選項。

在Content Server Web介面>按
需檢視的輸出

格式：選擇「MPEG-4 for Flash」格式（對於Vbrick將只使用此格式）可
其他格式型別，只要同時選擇了「MPEG-4 for Flash」格式。大小：根據
錄製和流傳輸需求選擇您選擇的一個選項。

要在Content Server Web介面>按
需媒體伺服器配置設定中檢視的
輸出

當選擇上面的「MPEG-4 for Flash」格式時，將自動選擇適用於Flash的
MPEG-4，並且適用於QuickTime的Windows Media和MPEG-4將灰顯。
運動最佳化」覈取方塊是可選的。

要在Content Server Web介面>即
時流中檢視的輸出

啟用即時流。格式：確認已選擇MPEG-4 for Flash。大小：選擇您選擇的
之一。重新編碼即時電影：可選。媒體伺服器配置：確認已選擇Vbrick L
媒體伺服器配置。

按一下「儲存」按鈕儲存配置。

Edit template

Save Return

Template added.

Template

Name vBrick Live 2 Template

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 (Pod and Zune)
- Downloadable for general purpose
- Distributed to Media Experience Engine 3500, vBrick, Show and Share, Podcast Producer or iTunes U

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 (selected)

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 IS Web Server

MPEG-4 for QuickTime: Local IS Web Server

MPEG-4 for Flash: Local IS Web Server (selected)

Optimize for motion: [checkbox]

Live stream

Format: MPEG-4 for Flash (selected)

Size: Large (selected)

Re-transcode realtime movies: [checkbox]

Live media server configuration settings

Media server configuration: vBrick Live

Summary

Outputs to view in the Content Server web interface: Live stream - Single video MPEG-4 for Flash Large, 1 - On demand - Single video MPEG-4 for Flash Large

Outputs to download for portable devices: No outputs

Outputs to download for general purpose: No outputs

Outputs for distribution to Media Experience Engine 3500, Show and Share, vBrick, Podcast Producer or iTunes U: No outputs

Save Return

Template added.

1c 新增錄製別名以用於VBrick Live流 :

View Recordings Management CHRRUIZ TCS 7.2 for vBrick System Administrator (CHRRUIZ-TCS72\Administrator) Log out Select language

Diagnostics Recordings Recording setup Configuration Help

Recording aliases

<input type="checkbox"/>	Name <small>▲</small>	H.323 ID	E.164 alias	SIP address (URI)	Owner
<input type="checkbox"/>	Default OnDemand only <small>Edit</small>	82OnDemand42A34B5A			CHRRUIZ-TCS72\Administrator
<input type="checkbox"/>	vBrick Live Rec Alias <small>Edit</small>	8277	8766	vbrick.live	CHRRUIZ-TCS72\Administrator
<input type="checkbox"/>	VBrick VoD Rec Alias <small>Edit</small>	8299	8788	vbrick.vod	dme

Cisco TelePresence Content Server v7.2 Build 4349

填寫並選擇VBrick Live錄製別名配置的欄位：

錄製別名

名稱'：用於標識Vbrick錄製別名的名稱。'個人錄製別名所有者'：選擇對此錄製具有編輯許可權的使用者。

撥號屬性

根據影片網路中的撥號計畫。輸入H.323和/或SIP撥號資訊。

錄製設定

在模板中，請選擇在1b中建立的Vbrick Live模板。此部分中的所有其他設定可以保留為預設值，也可以根據需要進行自定義。

預設錄製資訊

可留空或根據需要進行自定義。

預設錄製許可權

可以保留預設設定，也可以根據需要進行自定義。

按一下「儲存」按鈕儲存配置。

System Administrator (CHRRUIZ-TC572Administrator) Log out
Select language

CHRRUIZ TCS 7.2 for vBrick

View Recordings Management

Diagnostics Recordings Recording setup Configuration Help

Add recording alias

Save Return

Recording alias

Name ⓘ

Recording alias type Personal ⓘ System ⓘ

Personal recording alias owner ⓘ

Dialing properties

Enter at least one of the following:

H.323 ID ⓘ

E.164 alias ⓘ

SIP address (URI) ⓘ

SIP display name ⓘ

Recording settings

Template Edit or Add ⓘ

Template outputs
Live stream
- Switching MPEG-4 for Flash Large
On demand
- Switching MPEG-4 for Flash Large (Live transcoded)

Call configuration Edit or Add ⓘ

Show countdown before recording ⓘ

Email is disabled in Site Settings so it is not possible to receive email when a recording has been created using this recording alias.

Default recording information

Name ⓘ

Description ⓘ

Speaker ⓘ

Location ⓘ

Copyright ⓘ

Keywords ⓘ

Category Edit or Add ⓘ

Default recording permissions

Who can view this recording ⓘ

Automatically publish finished recordings ⓘ

Allow access to all authenticated users ⓘ

Allow access to only these authenticated groups and users: ⓘ

Add groups or users by entering all or part of the name or display name.

Password (optional) ⓘ

Who can edit this recording ⓘ

These groups and users can edit the recording:

Add groups or users by entering all or part of the name or display name.

Save Return

Cisco TelePresence Content Server v7.2 Build 4349

如果僅配置直播流（網播）整合，則已完成。您可以跳過以下步驟一直跳到「驗證」部分，以便開始測試此整合。如果您也在配置VoD（影片點播），請執行後續步驟。

2. VBrick VoD（影片點播）整合。

2a.新增VBrick VoD伺服器配置。

在TCS Web介面中，轉至Management > Recording setup > Media server configurations，然後點選「+ Add VBrick VoD server configuration」連結：

The screenshot shows the 'Media server configurations' page in the CHRRUIZ TCS 7.2 for vBrick Management interface. The page has a navigation bar with 'View Recordings' and 'Management' tabs. The main content area displays a table of server configurations and a list of options to add new configurations.

Description	Server type	Server address
Local IIS Web Server Edit	Web Server	(local)
vBrick Live Edit	VBrick Live Server	10.88.246.108
vBrick Live 2 Edit	VBrick Live Server	vbrickdme.chrruiz.lab
vBrick VoD Edit	VBrick VoD Server	10.88.246.108

Below the table, there is a 'Delete selected' button and a list of options to add new configurations:

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

The footer of the page indicates 'Cisco TelePresence Content Server v7.2 Build 4349'.

配置VoD媒體伺服器有兩個選項：您可以將其設定為透過FTP或FTPS(使用SSL的安全FTP)進行連線。

FTP配置。

- 要將它配置為使用FTP，請填寫媒體伺服器配置的欄位，如下所示：
 - 名稱 用於標識Vbrick VoD媒體伺服器的名稱
 - 伺服器地址 Vbrick DME的IP或FQDN
 - 檔案傳輸通訊協定 選擇FTP
 - 命令埠 選擇FTP時禁用欄位
 - 使用者名稱 Vbrick DME伺服器的管理員使用者。預設值為「admin」
 - 密碼 Vbrick DME伺服器中管理員使用者的密碼。預設值為「admin」
 - 密碼確認 確認在上一個欄位中設定的密碼。

在儲存配置之前，可以使用「測試FTP」按鈕來確認您到達伺服器並且管理員憑據正確(如果您收到帶有以下消息的綠色複選標籤：'FTP測試成功到達伺服器YourDMEServer:21'，然後可以儲存媒體伺服器配置：

Media server configuration: VBrick server

Save Return
 ✓ Media server configuration added.
 ⓘ FTP test successful to server vbrickdme.chrruiz.lab:21.

Server settings

Name VBrick VoD 2
 Server address vbrickdme.chrruiz.lab

FTP/FTPS settings

File Transfer Protocol FTP FTPS
 Command Port
 User name admin
 Password
 Password confirm
 Test FTP
 ✓ FTP test successful to server vbrickdme.chrruiz.lab:21.

Save Return
 ✓ Media server configuration added.
 ⓘ FTP test successful to server vbrickdme.chrruiz.lab:21.

FTPS配置：

- 要將它配置為使用FTPS (使用SSL的安全FTP) ，請填寫介質伺服器配置的欄位 (如下所示) ，請注意，此選項僅在TCS s7.2及更高版本中可用：
- | | |
|----------|--|
| 名稱 | 用於標識Vbrick VoD媒體伺服器的名稱 |
| 伺服器地址 | Vbrick DME的IP或FQDN |
| 檔案傳輸通訊協定 | 選擇FTPS |
| 命令埠 | 此指令需要與Vbrick DME Web介面中設定的「FTP命令連線埠」相符：
System Configuration > Ports。 |
| 使用者名稱 | Vbrick DME伺服器的管理員使用者。預設值為「admin」 |
| 密碼 | Vbrick DME伺服器中管理員使用者的密碼。預設值為「admin」 |
| 密碼確認 | 確認在上一個欄位中設定的密碼。 |

在儲存配置之前，可以使用「測試FTPS」按鈕來確認您到達伺服器並且管理員憑據正確(如果收到帶有以下消息的綠色複選標籤：'FTPS測試成功將伺服器YourDMEServer:YourCommandPortNumber'儲存媒體伺服器配置：

System Administrator (CHRRUIZ-TCS72Administrator) Log out
Select language

CHRRUIZ TCS 7.2 for vBrick

View Recordings Management

Diagnostics Recordings Recording setup Configuration Help

Media server configuration: VBrick server

Save Save as Return

Media server configuration updated.
FTPS test successful to server vbrickdme.chrruiz.lab:35.

Server settings

Name vBrick VoD FTPS
Server address vbrickdme.chrruiz.lab

FTP/FTPS settings

File Transfer Protocol FTP FTPS
Command Port 35
User name admin
Password *****
Password confirm *****
Test FTPS
FTPS test successful to server vbrickdme.chrruiz.lab:35.

Save Save as Return

Media server configuration updated.
FTPS test successful to server vbrickdme.chrruiz.lab:35.

Cisco TelePresence Content Server v7.2 Build 4349

附註：為了使FTPS正常工作，VBrick DME伺服器必須啟用FTPS，命令埠的配置與預設21不同，並且上傳了SSL證書。

使用System Configuration > Security下的Web介面在VBrick DME中啟用FTPS:

Configuration Menu

- Home
- System Configuration
 - General
 - Network
 - Ports
 - Security
 - SSL Certificate
 - Streaming
 - Caching
 - SNMP
 - SAN/iSCSI Setup
 - Manage Configuration
 - Activate Feature
 - Rev Interface
 - Input Configuration
 - Output Configuration
 - User Configuration
 - SAP Configuration
 - Logging
 - Monitor and Logs
 - Maintenance
 - Diagnostics
 - Log Out
 - Help

VBRICK DME VAdmin admin vbrickdme.chrruiz.lab

System Configuration --> Security

External VAdmin HTTPS Only

SSH Shell Enabled

External FTP Server Enabled

External FTP Server Mode **FTPS TLS Forced**

SNMP Server Enabled

SNMP Server Mode SNMPv1, SNMPv2, and SNMPv3

RTMP Server Enabled

RTMP Announce Receiver Enabled

Flash Server Authentication Enabled

Use HTTPs to Browser Enabled

Cache Manager Utility Enabled

Apply Revert Default

在System Configuration > Ports: 下為FTPS指定不同的埠

Configuration Menu

- Home
- System Configuration
 - General
 - Network
 - Ports
 - Security
 - SSL Certificate
 - Streaming
 - Caching
 - SNMP
 - SAN/iSCSI Setup
 - Manage Configuration
 - Activate Feature
 - Rev Interface
- Input Configuration
- Output Configuration
- User Configuration
- SAP Configuration
- Logging
- Monitor and Logs
- Maintenance
- Diagnostics
- Log Out
- Help

VBRICK DME **VAdmin** admin vbrickdme.chrruiz.lab

System Configuration --> Ports

RTSP Server Port	554
RTMP Server Port	1935
RTMPS Server Port	4443
Multi-Protocol Server RTSP port	5544
VAdmin Server Port	8181
Secure VAdmin Server Port	8383
Conversion Input Port Start	64879
HTTP Server Port	80
HTTPS Server Port	443
HTTP Streaming Tunneling Port	8080
HTTP Caching ICP Port (starting port of 8 consecutive ports)	3130
SIP Port	5060
FTP Data Port	20
FTP Command Port	35

Apply Revert Default

在「系統配置」(System Configuration)>「SSL證書」(SSL Certificates)下將SSL證書上傳到VBrick伺服器。有關如何上傳和簽署證書的詳細資訊，請參閱VBrick文檔：[VBrick管理指南](#)。

Configuration Menu

- Home
- System Configuration
 - General
 - Network
 - Ports
 - Security
 - SSL Certificate
 - Streaming
 - Caching
 - SNMP
 - SAN/iSCSI Setup
 - Manage Configuration
 - Activate Feature
 - Rev Interface
- Input Configuration
- Output Configuration
- User Configuration
- SAP Configuration
- Logging
- Monitor and Logs
- Maintenance
- Diagnostics
 - Log Out
 - Help

VBAdmin admin vbrickdme.chrruiz.lab

System Configuration --> SSL Certificates

Currently Installed Certificates

Certificate:
 Data:
 Version: 3 (0x2)
 Serial Number:
 2c:00:00:00:18:64:de:6e:f0:1d:88:0b:58:00:00:00:00:00:18

Create a Certificate Request

This section will help you create a CSR (Certificate Signing Request). A CSR is a block of encoded data generated by your web server that contains all the necessary information about your domain and organization. It will be encrypted by a Private Key that will be automatically created. Please review your internal security procedures and necessary field contents before beginning this process.

Country: Mexico
 State (or Province): CDMX
 City: BJ
 Company or (Organization): Mex TP
 Department: TAC
 Fully Qualified Domain Name: vbrickdme.chrruiz.lab
 Contact Email Address: vbrick@chrruiz.lab

Generate Certificate Request to use with CA OR Generate and Install a Self-Signed CERT

```
-----BEGIN CERTIFICATE REQUEST-----
MIIC0TCCAbkCAQAwYsxCzAJBgNVBAYTAk1YMQ0wCwYDVQQIDARDRE1YMQSwCQYD
VQQHDAJCSjEPMA0GA1UECgwGTWV4IFRQMwYwCgYDVQQLDANUQUUxHjAcBgNVBAMH
FXZlcm1ja2RtZS5jaHJyYXZlLmVudm16LmVudm16LmVudm16LmVudm16LmVudm16
cnJ1aXoubGFiIiIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAsTjT53rC
SzaQVHaTBUnyur78IBG2pvDXj2I++G7fp4XsgjUiQ03CayvLMrH+isXiShK3oLQv
TOJH9q9GHYurziimYQu00Fcp+zpQ5JpyeHJxFlqG97a7+q/NUBP1NaVsDu0ZpzJ9
yMaHJTIGFitUNJ3cC9sLM0saq9Fk2JQEilx0RhpStyixHQE/Gzi24rHapMR4ZDU
-----
```

Once you click "Generate Certificate Request to use with CA" above, a copy of your encoded CSR will be generated. Do not modify the text. Copy and use this signed CSR (including the textual header and footer) to purchase a certificate at a CA (Certification Authority). Please choose a well-known CA to ensure that fielded browsers will have their root certificates installed. Please review the installed certificates in your target browsers and OSes.

Install a New Certificate

If you have recently received a certificate from your CA, please paste the PEM based contents (including the header and footer) into the text box below. Do not edit any of the text.

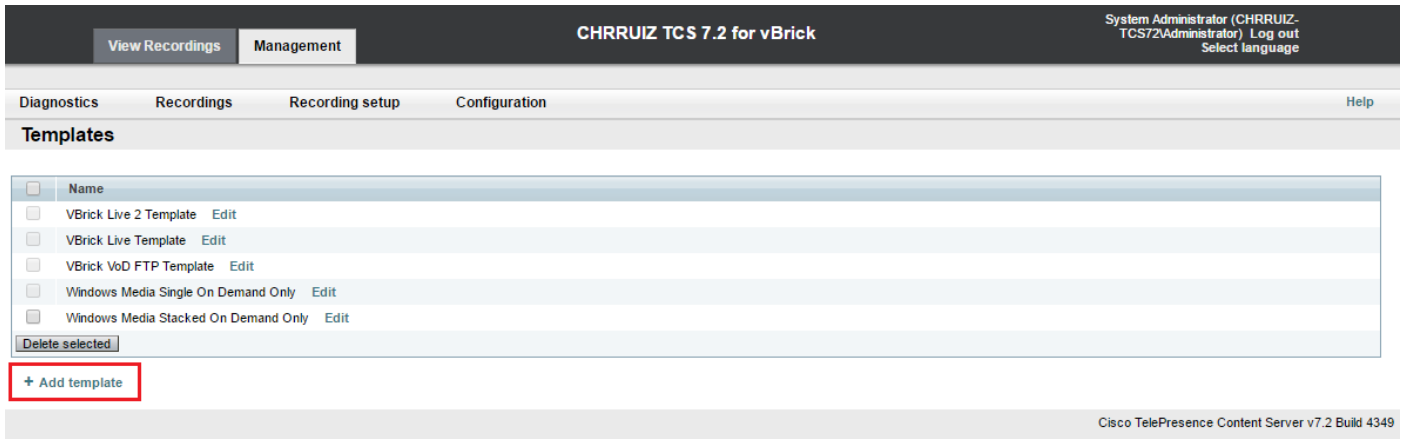
PEM Includes Key Enabled

Verify and Install New Certificate

Note: This server will first attempt to verify your certificate. Only valid certificates will be installed. Please review the installed certificates, at the top of this page, after every new install.

2b.新增用於VBrick VoD的模板：

在TCS Web介面中，轉至Management > Recording setup > Templates，然後按一下「+ Add template」連結：



填寫並選擇VBrick Live模板配置的欄位：

名稱

選擇您希望如何使用此模板製作的任何錄音可用，並編輯以下選項：

用於發佈到媒體體驗引擎3500、Show and Share、VBrick、播客製作者或iTunes U的輸出

用於標識Vbrick VoD模板的名稱。

只選中「Distributed to Media Experience Engine 3500, VBrick, Show and Share, Podcast Producer or iTunes U」選項。

對於輸出，請根據您的錄製和流需要選擇您選擇的選項之一，然後選擇Vbrick覈取方塊，選擇在上一步中為Vbrick VoD建立的「媒體伺服器」。選擇流式處理的大小。

按一下「儲存」按鈕儲存配置。

Edit template

 Template added.

Template

Name

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 Choose options

Outputs for distribution to Media Experience Engine 3500, Show and Share, VBrick, Podcast Producer or iTunes U

Outputs for distribution to Media Experience Engine 3500, Show and Share, VBrick, Podcast Producer or iTunes U

Switching Joined Stacked Picture in picture

Force 16:9

 Media Experience Engine 3500 Media server configuration VBrick Media server configuration Size The SAM Account Name will be written into the media file and shared to VBrick system Show and Share Media server configuration Size Podcast Producer Media server configuration iTunes Media server configuration Size Add audio only output

Summary

Outputs to view in the Content Server web interface

No outputs

Outputs to download for portable devices

No outputs

Outputs to download for general purpose

No outputs

Outputs for distribution to Media Experience Engine 3500, Show and Share, VBrick, Podcast Producer or iTunes U

1 - VBrick - Single video MPEG-4 for Flash Large

 Template added.

2c. 新增要與VBrick VoD一起使用的錄製別名：

System Administrator (CHRRUIZ-TCS72Administrator) Log out
Select language

CHRRUIZ TCS 7.2 for VBrick

View Recordings Management

Diagnostics Recordings Recording setup Configuration Help

Recording aliases

<input type="checkbox"/>	Name ▲	H.323 ID	E.164 alias	SIP address (URI)	Owner
<input type="checkbox"/>	Default OnDemand only Edit	82OnDemand42A34B5A			CHRRUIZ-TCS72Administrator
<input type="checkbox"/>	VBrick Live 2 Rec Alias Edit	8211	8722	vbrick.live2	CHRRUIZ-TCS72Administrator
<input type="checkbox"/>	VBrick Live Rec Alias Edit	8277	8766	vbrick.live	CHRRUIZ-TCS72Administrator
<input type="checkbox"/>	VBrick VoD FTP Rec Alias Edit	8299	8788	vbrick.vodftp	dme

Cisco TelePresence Content Server v7.2 Build 4349

填寫並選擇VBrick VoD錄製別名配置的欄位：

錄製別名	名稱':用於標識Vbrick VoD錄製別名的名稱。'個人錄製別名所有者':此處選定的使用者需要與VBrick Rev伺服器中存在的使用者完全匹配。
撥號屬性	根據影片網路中的撥號計畫。輸入H.323和/或SIP撥號資訊。
錄製設定	在模板中，請選擇在2b中建立的Vbrick VoD模板。此部分中的所有其他設定可以保留為預設值，也可以根據需要進行自定義。
預設錄製資訊	可留空或根據需要進行自定義。
預設錄製許可權	可以保留預設設定，也可以根據需要進行自定義。

附註：如果選擇為個人錄製別名擁有者的使用者與分配了所有「媒體」角色的使用者不完全匹配（這些角色在VBrick Rev Server中存在），VoD整合將無法工作。此使用者是影片到Rev的上傳者，需要其識別。

請參閱本檔案的疑難排解一節，瞭解如何：在TCS中建立與Rev中的現有使用者匹配的使用者，和/或如何在Rev中建立與TCS中所選使用者完全匹配的使用者。

按一下「儲存」按鈕儲存配置。

Edit recording alias

[Save](#) [Return](#)

Recording alias added.

Recording alias

Name VBrick VoD FTPS Rec Alias

Personal recording alias owner

Rev User (revuser)

Dialing properties

Enter at least one of the following:

H.323 ID 8233

E.164 alias 8744

SIP address (URI) vbrick.vodflps

SIP display name VBrick VoD FTPS

Recording settings

Template VBrick VoD FTPS Template

Template outputs
Distribution
- VBrick Switching MPEG-4 for Flash Large

Call configuration System Call Configuration

Show countdown before recording

Email is disabled in Site Settings so it is not possible to receive email when a recording has been created using this recording alias.

Default recording information

Name VBrick VoD FTPS Channel

Description

Speaker

Location

Copyright

Keywords

Category General

Default recording permissions

Who can view this recording

 Automatically publish finished recordings Allow access to all authenticated users Allow access to only these authenticated groups and users: Add groups or users by entering all or part of the name or display name.
[Check access list](#)Password (optional)

Who can edit this recording

These groups and users can edit the recording:

revuser
 Add groups or users by entering all or part of the name or display name.
[Check access list](#)[Save](#) [Return](#)

Recording alias added.

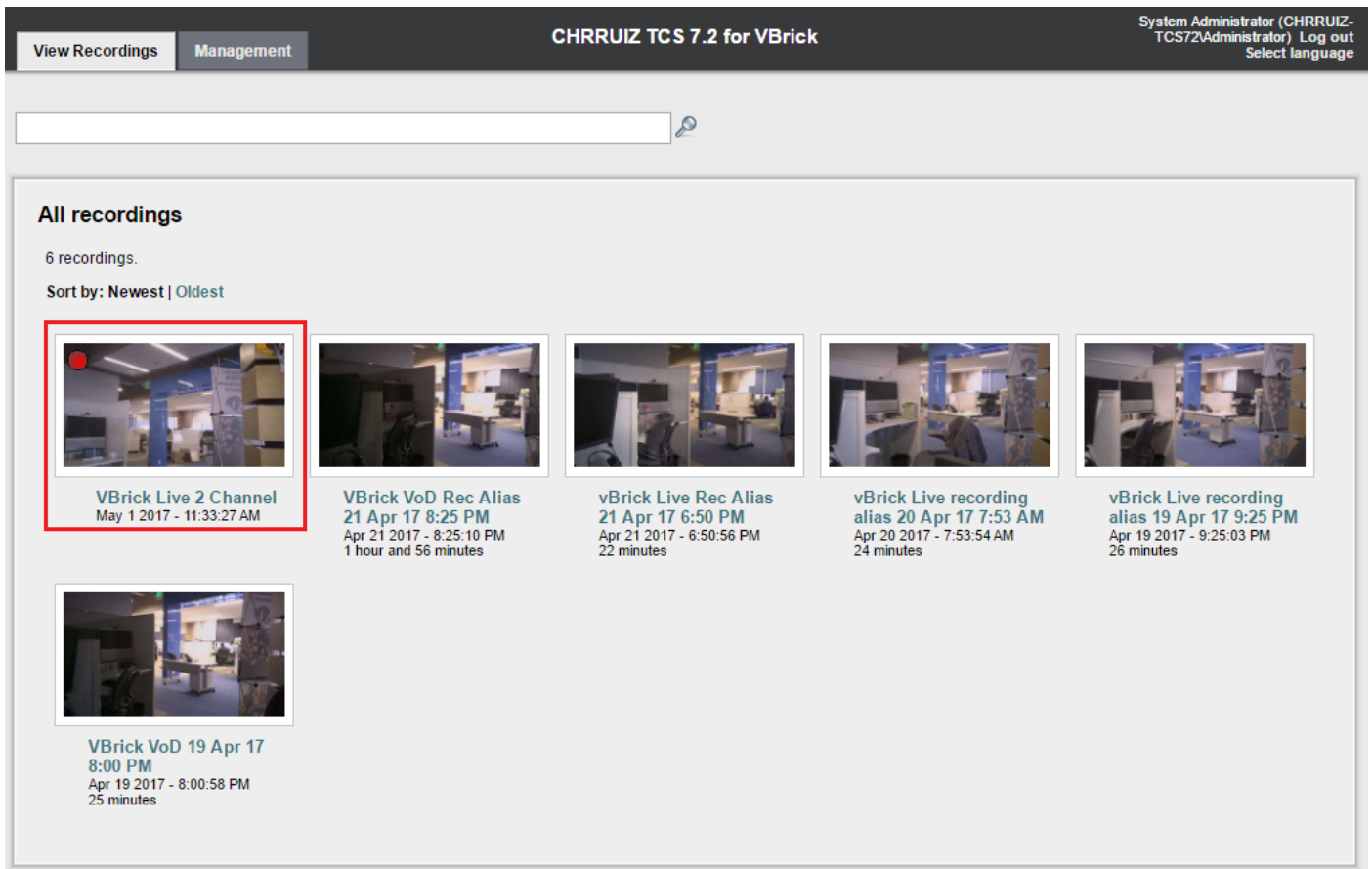
如果所有這些設定均已配置，請繼續本文檔的「驗證」部分。

驗證

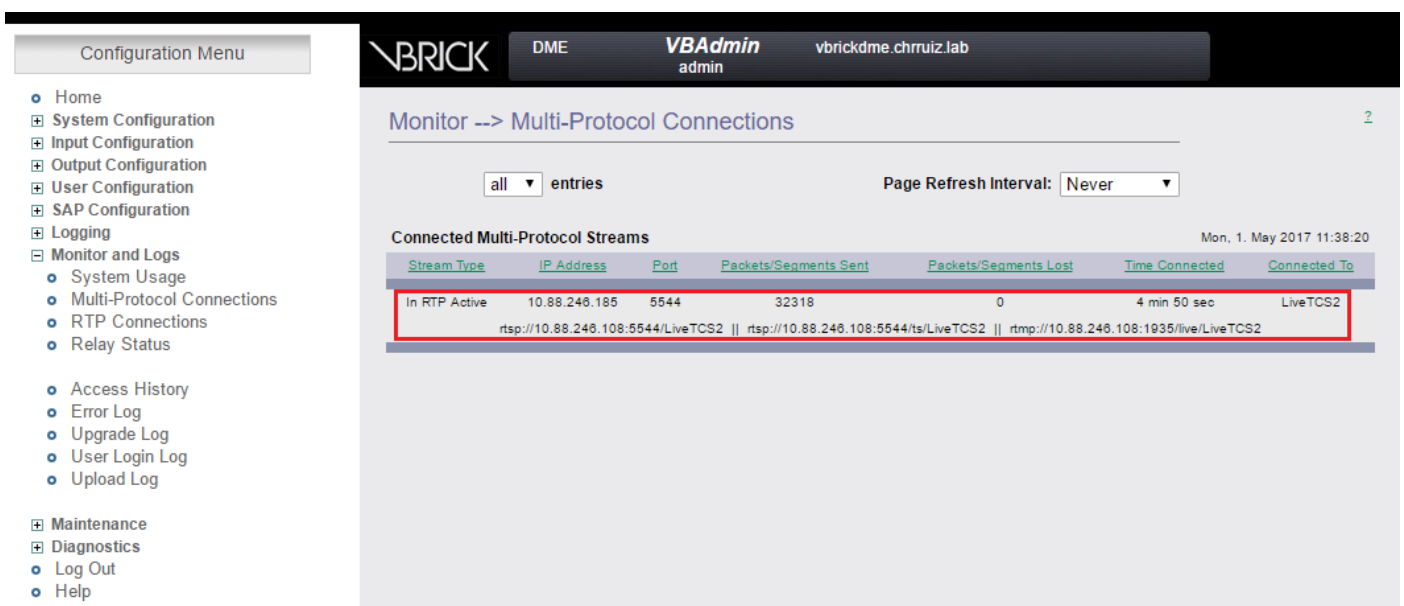
使用本節內容，確認您的組態是否正常運作。

VBrick Live串流：要驗證此操作是否正常工作，請驗證以下內容：

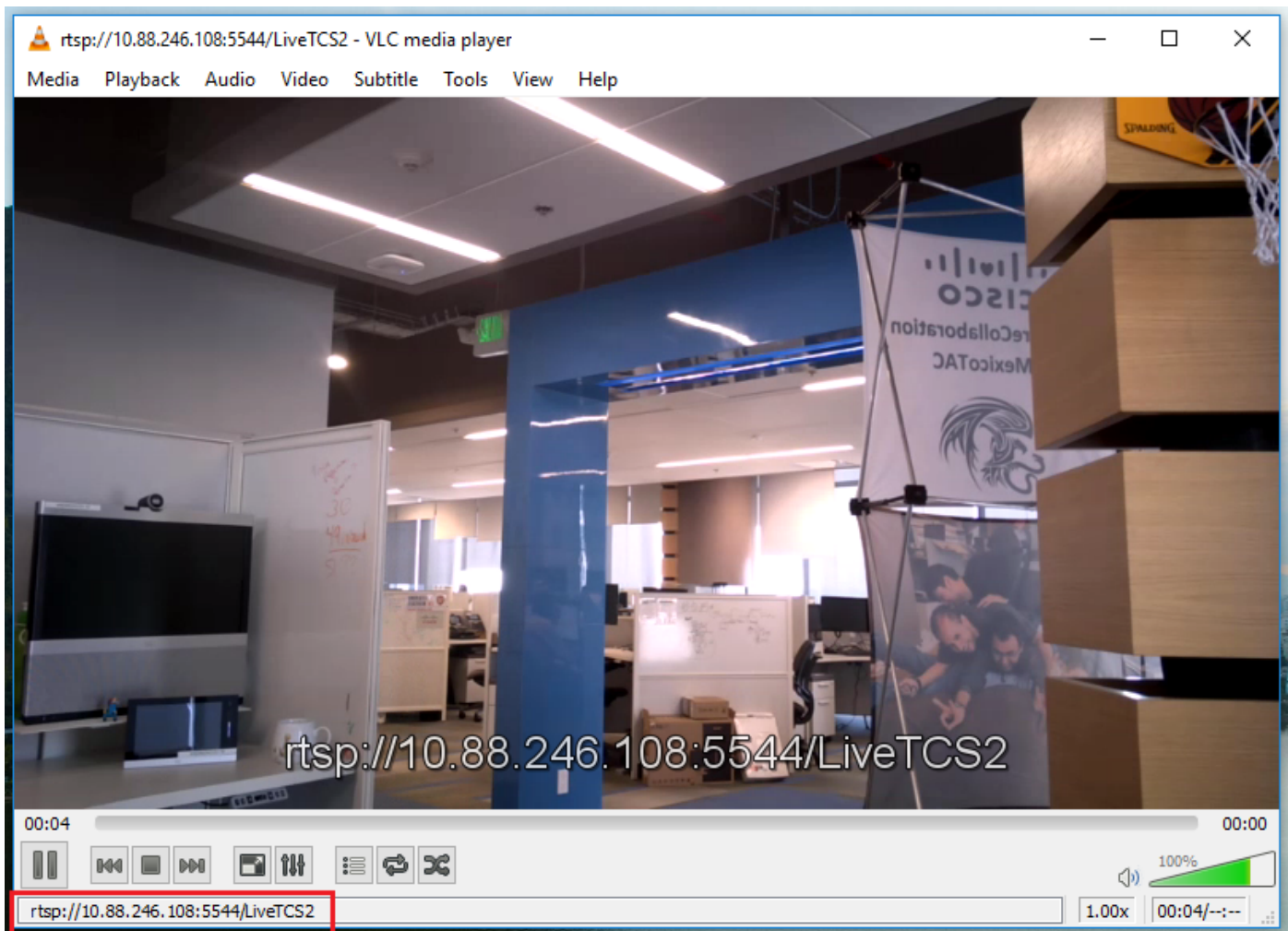
將呼叫連線到TCS中的Live Streaming Recording SIP或H.323別名時，您應該在「檢視錄音」頁籤中看到在TCS Web介面中發生的錄音：



在VBrick DME伺服器Web介面中，轉至「監視和日誌」>「多協定連線」，如果流從TCS成功傳輸到DME，您應該可以在其中看到流的所有詳細資訊：



使用VLC播放器等任何流播放器捕捉流，並使用VBrick Web介面Monitor and Logs > Multi-Protocol Connections中看到的rtsp或rtmp連結測試音訊和影片是否正常工作。



如果上述任何步驟未顯示正確行為，請參閱本文檔的「疑難解答」部分以檢視可能的原因和糾正這些錯誤的措施。

VBrick VoD:要驗證此操作是否正常工作，請驗證以下內容：

錄製完成後，轉到TCS Web介面並轉到「管理」頁籤，驗證錄製是否已完成轉碼，只有在錄製完全轉碼後，才會開始上傳到VBrick Rev伺服器：

System Administrator (CHRRUIZ-TCS72Administrator) Log out
Select language

CHRRUIZ TCS 7.2 for VBrick

View Recordings Management

Diagnostics Recordings Recording setup Configuration Help

Server overview

[Return](#)

Content Server status

Server mode: Online ⓘ

Content Engine status: ✔ ⓘ

Current calls: ⓘ

Transcode Engine 1 status: ✔ ⓘ

Transcode Engine 2 status: ✔ ⓘ

Transcode Engine 3 status: ✔ ⓘ

Currently transcoding: ↕ ⓘ

Transcoding job list:

- VBrick VoD FTPS Channel Edit | Manage outputs
(Switching MPEG-4 for Flash Large for VBrick)

Content Server information

IP Address: 10.88.246.185 ⓘ

Device serial number: 42A34B5A ⓘ

Software version: Cisco TelePresence Content Server v7.2 Build 4349 ⓘ

Installed option keys: 2 Live Broadcast (115361L2-1-2949D57D) ⓘ
5 Recorded Calls (115361RS-1-94822240) ⓘ

Server disk space

Path ⓘ	Total disk space ⓘ	Free disk space ⓘ	Percentage free ⓘ
C	49.9 GB	27.1 GB	<div style="width: 54%;"><div style="width: 54%;"></div></div> 54%
E	149 GB	145 GB	<div style="width: 97%;"><div style="width: 97%;"></div></div> 97%

Database location

Database data source: Local Content Server ⓘ

Database name: TCSDBv3 ⓘ

Media storage location

To change the current media storage location, log in to the Content Server via remote desktop and run the TCS Wizard.

Media storage location: Local Content Server ⓘ

Software option

Add option key: [Add option key](#) ⓘ

Restart service: [Restart service](#) ⓘ

[Return](#)

Cisco TelePresence Content Server v7.2 Build 4349

在TCS中完成轉碼作業後，轉到VBrick DME伺服器Web介面並轉到Monitor and Logs > Upload Log，如果上傳順利進行，您會看到確認影片接收和上傳已成功完成到Rev伺服器的消息：

Configuration Menu

- Home
- System Configuration
- Input Configuration
- Output Configuration
- User Configuration
- SAP Configuration
- Logging
- Monitor and Logs
 - System Usage
 - Multi-Protocol Connections
 - RTP Connections
 - Relay Status
- Access History
- Error Log
- Upgrade Log
- User Login Log
- Upload Log

Maintenance

- Diagnostics
- Log Out
- Help

VRBRICK DME **VBAAdmin** admin vbrickdme.chrruiz.lab

Monitor --> Upload Log

```

05/01/17 12:16:30, .tcs_ingest/O149365887100-09108911fl.mp4, Detected new or changed file
05/01/17 12:16:30, .tcs_ingest/O149365887100-09108911fl.mp4, Starting Rev upload
05/01/17 12:16:31, .tcs_ingest/O149365887100-09108911fl.mp4, Uploading to
https://cisco.rev.vbrick.com/api/uploads/videos/
05/01/17 12:16:37, .tcs_ingest/O149365887100-09108911fl.mp4, File Ingested Successfully.
05/01/17 12:16:41, .tcs_ingest/O149365887100-09108911fl.mp4, Detected new or changed file
05/01/17 12:16:41, .tcs_ingest/O149365887100-09108911fl.json, Detected new or changed file
05/01/17 12:16:41, .tcs_ingest/O149365887100-09108911fl.mp4, Deleted
05/01/17 12:16:41, .tcs_ingest/O149365887100-09108911fl.json, Deleted
05/01/17 12:32:31, .tcs_ingest/ftpctest.txt, Detected new or changed file
05/01/17 12:32:31, .tcs_ingest/ftpctest.txt, Deleted
05/01/17 12:34:01, .tcs_ingest/O149365993100-62346885fl.mp4, Detected new or changed file
05/01/17 12:34:01, .tcs_ingest/O149365993100-62346885fl.mp4, Starting Rev upload
05/01/17 12:34:01, .tcs_ingest/O149365993100-62346885fl.mp4, Uploading to
https://cisco.rev.vbrick.com/api/uploads/videos/
05/01/17 12:34:05, .tcs_ingest/O149365993100-62346885fl.mp4, File Ingested Successfully.
05/01/17 12:34:11, .tcs_ingest/O149365993100-62346885fl.mp4, Detected new or changed file
05/01/17 12:34:11, .tcs_ingest/O149365993100-62346885fl.json, Detected new or changed file
05/01/17 12:34:11, .tcs_ingest/O149365993100-62346885fl.mp4, Deleted
05/01/17 12:34:11, .tcs_ingest/O149365993100-62346885fl.json, Deleted
05/01/17 12:44:31, .tcs_ingest/ftpctest.txt, Detected new or changed file
05/01/17 12:44:31, .tcs_ingest/ftpctest.txt, Deleted
05/01/17 12:48:01, .tcs_ingest/O149366075700-77361541fl.mp4, Detected new or changed file
05/01/17 12:48:01, .tcs_ingest/O149366075700-77361541fl.mp4, Starting Rev upload
05/01/17 12:48:02, .tcs_ingest/O149366075700-77361541fl.mp4, Uploading to
https://cisco.rev.vbrick.com/api/uploads/videos/
05/01/17 12:48:07, .tcs_ingest/O149366075700-77361541fl.mp4, File Ingested Successfully.
05/01/17 12:48:12, .tcs_ingest/O149366075700-77361541fl.mp4, Detected new or changed file
05/01/17 12:48:12, .tcs_ingest/O149366075700-77361541fl.json, Detected new or changed file
05/01/17 12:48:12, .tcs_ingest/O149366075700-77361541fl.mp4, Deleted
05/01/17 12:48:12, .tcs_ingest/O149366075700-77361541fl.json, Deleted

```

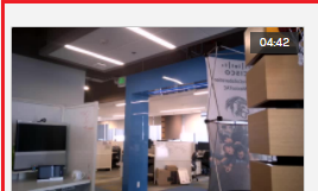
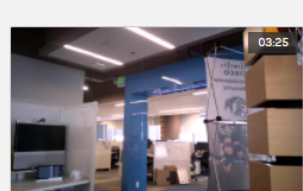
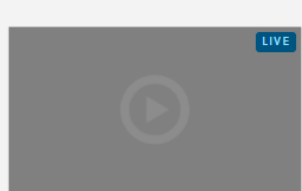
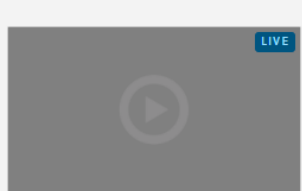
Reset Upload Log

在進入VBrick Rev伺服器Web介面驗證您的影片已正確上傳並且播放正確之後，請記住該影片將顯示為非活動狀態，直到啟用以進行檢視。

rev Media Events Search Media

All Videos

5 Videos

 <p>VBrick VoD FTFS Channel ★★★★★ Rev User May 1, 2017</p>	 <p>VBrick VoD FTP Channel ★★★★★ dme user May 1, 2017</p>	 <p>Live Streaming from TCS ★★★★★ Christian Ruiz Apr 21, 2017</p>	 <p>Live Streaming from CMS ★★★★★ Christian Ruiz Apr 21, 2017</p>
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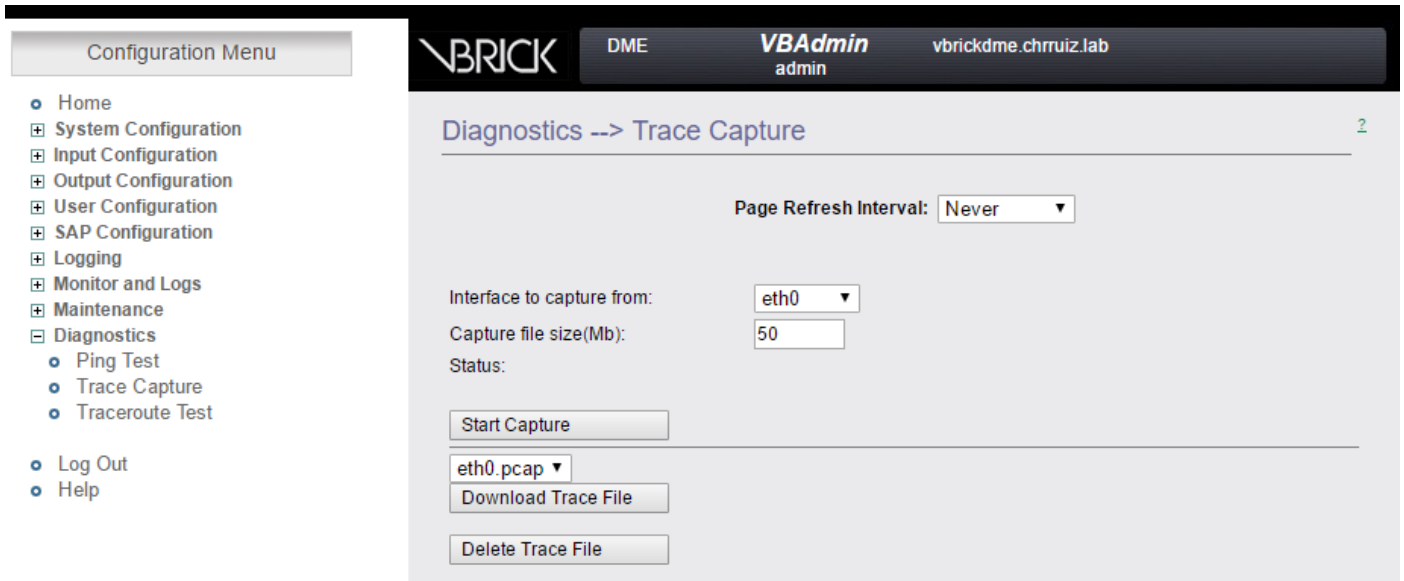
如果其中任何步驟未顯示正確行為，請參閱本文檔的故障排除部分，以檢視可能的原因和糾正措施。

疑難排解

從TCS和DME捕獲的資料包有助於解決與通訊相關的大部分問題。

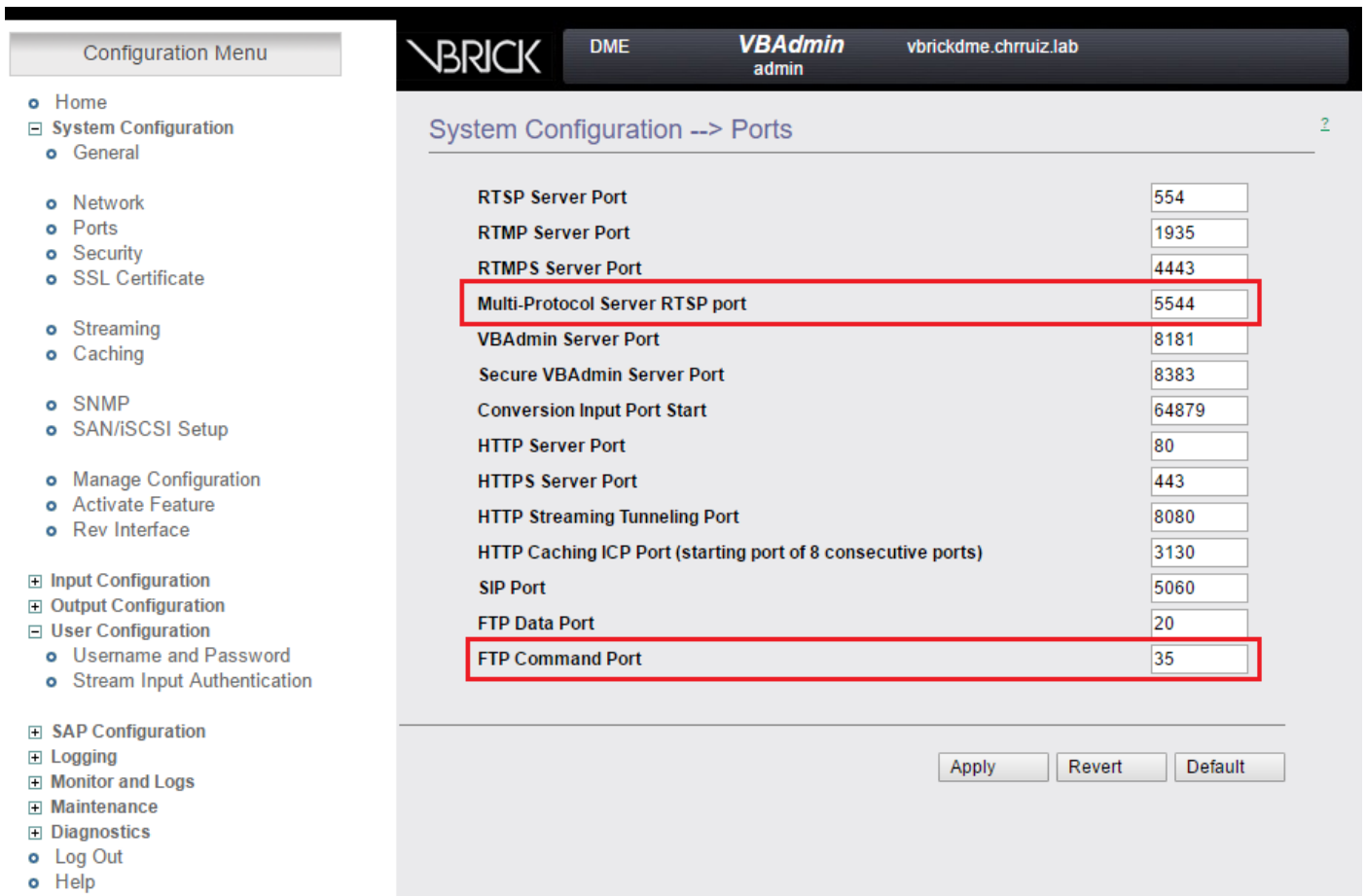
TCS:在安裝TCS的Windows伺服器中使用Wireshark或類似程式來檢索資料包捕獲。

DME:使用Diagnostics > Trace Capture中的Web介面，按「Start capture (開始捕獲)」按鈕。按「停止捕獲」按鈕停止跟蹤。按「Download trace file」(下載跟蹤檔案)下載資料包捕獲。



驗證連線埠是否正確設定。

可以在DME伺服器Web介面中的「系統配置」>「埠」下檢查並配置用於流式處理和FTP的VBrick DME埠：



TCS Live Streaming to VBrick最常見的問題：

媒體伺服器配置問題：

錯誤消息："無法連線到伺服器"。

原因：錯誤的RTSP埠。

解決方案：請檢查VBrick DME Web介面中「系統配置」>「埠」中配置的「多協定伺服器RTSP埠」是否相同。

錯誤消息：'RTSP向伺服器通告時身份驗證失敗'。

原因：錯誤的使用者名稱和/或密碼。

解決方案：請檢查VBrick DME Web介面中的「使用者配置」 —> 「流輸入身份驗證使用者名稱」是否相同。

無法在DME Web介面日誌>多協定連線：

原因：TCS和DME之間的通訊問題。

解決方案：

在TCS中：驗證錄製是否在「錄製」頁籤中顯示為活動狀態（紅色圓圈顯示正在錄製）驗證所有TCS服務是否正常運行。

在DME中：在Web介面中驗證RTSP和RTMP服務是否顯示True。

The screenshot displays the VBrick DME Admin web interface. On the left is a 'Configuration Menu' with options like Home, System Configuration, Input Configuration, Output Configuration, User Configuration, SAP Configuration, Logging, Monitor and Logs, Maintenance, Diagnostics, Log Out, and Help. The main content area shows the 'VBrick Distributed Media Engine (VBDME) Status' page. The status is 'Started Mon, 1. May 2017 13:53:59'. Other details include: Current Time On Server: Mon, 1. May 2017 16:05:57; Up Time: 2 hrs 11 min 58 sec; Application Code Revision: 3.15.0 rhel7 04/12/2017 08:02 AM Build(147); RTMP Server Version: 3.15.0 Build 0009; OS Registration Number: OVA; RTP CPU Load: 0.07%; RTMP CPU Load: 0.07%; Total CPU Load: 2.20%; Current # of Connections: 1; Current Throughput: 1.39 Mbps; Multi Protocol Connections Count: 1; Multi Protocol Max Count: 100; RTP Connections Count: 0; RTP Connections Max Count: 100; Disk Usage System: Used: 1650 MB (32%), Available: 3551 MB (68%); Disk Usage Content: Used: 25342 MB (25%), Available: 76975 MB (75%); Disk Health: System: Content:; iSCSI Usage: iSCSI Disabled. At the bottom, a status bar shows 'Server is Running' with 'Status: Normal', 'MPS 1 of 100 CPU: 0.17%', 'RTP 0 of 100 CPU: 0.07%', '832 MB used of 28527 MB Normal', '2.60 % Total CPU Normal', '973.26 Kbps Throughput Normal', and a 'Countdown 00:50 to True' with a 'Refresh' button. A red box highlights the 'Server On for 2 hrs 12 min 22 Sec' and 'RTMP: True RTSP: True' text.

如果前面步驟正常，則我們存在TCS和DME之間的通訊問題，它可能是與網路相關的問題，或者可能是某個伺服器發生故障，請從TCS和DME獲取資料包捕獲以縮小問題範圍，並按各自的IP地址進行過濾。驗證是否正在進行通訊。即TCS資料包捕獲顯示TCS正在向DME傳送資料包，而DME資料包捕獲顯示沒有從TCS接收資料包。在本示例中，您需要檢查網路中是否存在阻止或阻止此通訊發生的情況，或者是否存在重大DME伺服器故障。如果您不太熟悉封包擷取，請開啟一個TAC案例，並提供兩個封包擷取，以便工程師協助您識別TCS和DME之間的通訊問題。

無法從流式播放器捕獲即時流式處理：

驗證rtsp連結是否顯示在VBrick Web介面的「監控和日誌」>「多協定連線」下，而不僅僅是rtmp中。如果未顯示，請按照「無法在DME Web介面Logs > Multi-Protocol Connections (日誌>多協定連線)中看到來自TCS的流」中提到的步驟操作。

如果TCS Live流式處理詳細資訊和連結顯示在VBrick DME Web介面中的「監控和日誌」>「多協定連線」下，則需要更深入地瞭解網路和VBrick DME伺服器。請開啟具有VBrick支援的案例。

TCS VoD with VBrick最常見的問題：

媒體伺服器配置問題：

錯誤消息："無法連線到FTP(S)伺服器"。

原因：錯誤的FTP埠。

解決方案：請檢查VBrick DME Web介面中「系統配置>埠」中配置的「FTP命令埠」編號是否相同。

錯誤消息："使用者'youruser'無法登入到FTP伺服器....."

原因：錯誤的使用者名稱和/或密碼。

解決方案：請檢查您的DME管理員使用者和/或密碼是否正確。如果此憑據丟失，請聯絡VBrick支援。

無法將VoD從TCS上傳到Rev Server，

錯誤消息："UploaderUserDoesNotExist UploaderUserDoesNotExist = { UserDoesNotExist =無法上傳影片。請確保影片與有效使用者關聯.....}"

```
04/20/17 14:21:04, .tcs_ingest/0149271454700-30674761f1.mp4, Starting Rev upload
04/20/17 14:21:05, .tcs_ingest/0149263473800-58284370f1.mp4, UploaderUserDoesNotExist
UploaderUserDoesNotExist = { UserDoesNotExist = Unable to upload video. Please ensure that video
is associated to a valid user., Uploader = Administrator, accountId = 30dcd82e-ae13-4aae-b0a6-
fd8d0ed3b805 }
04/20/17 14:21:05, .tcs_ingest/0149263452400-34534979f1.mp4, UploaderUserDoesNotExist
UploaderUserDoesNotExist = { UserDoesNotExist = Unable to upload video. Please ensure that video
is associated to a valid user., Uploader = Administrator, accountId = 30dcd82e-ae13-4aae-b0a6-
fd8d0ed3b805 }
```

原因：在TCS中配置為「個人錄製別名所有者」的使用者與VBrick Rev伺服器中存在的使用者不匹配。

解決方案：請在TCS中建立與Rev伺服器中具有「媒體」許可權的使用者相匹配的使用者，或

在Rev中建立與VBrick VoD錄製別名中配置為「個人錄製別名所有者」的TCS使用者相匹配的「媒體」許可權的使用者。

如何在TCS Web介面中建立使用者：

轉至Configuration > Groups and users，在「Add users」部分在「Creator role」視窗中記下使用者名稱，請記住此使用者名稱需要與Rev伺服器中的使用者名稱匹配。按一下頁面底部的「新增」按鈕。將建立該使用者，並可從「個人錄製別名所有者」配置的下拉選單中進行選擇。

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The screenshot displays the 'Add groups or users' section of the CHRRUIZ TCS 7.2 for VBrick web interface. The page title is 'CHRRUIZ TCS 7.2 for VBrick' and the user is logged in as 'System Administrator (CHRRUIZ-TCSTZAdministrator)'. The navigation menu includes 'Diagnostics', 'Recordings', 'Recording setup', and 'Configuration'. The main content area is titled 'Add groups or users' and contains three sections: 'Add Groups', 'Add Users', and 'Add Roles'. The 'Add Users' section is active and shows a form with three input fields: 'Site manager role', 'Creator role', and 'Viewer role'. The 'Creator role' field contains the text 'RevUser|'. Below the form are 'Add' and 'Return' buttons. The footer of the page reads 'Cisco TelePresence Content Server v7.2 Build 4349'.

如何在VBrick Rev中建立使用者：

在Rev Server Web介面中建立使用者：轉到「設定」>「使用者」>「使用者」，然後按一下「+新增使用者」按鈕。請驗證使用者名稱是否與TCS中的使用者名稱匹配（不區分大小寫）。此外，請檢查使用者是否已分配所有「媒體」角色。按一下「建立使用者」按鈕建立使用者。請記住，使用者在建立後到達啟用連結之前將不會處於活動狀態。

The screenshot displays the VBrick Rev user creation interface. At the top, there is a navigation bar with the 'rev' logo and various menu items like 'Media', 'Events', and 'Search Media'. Below this, a secondary navigation bar includes 'Reports', 'Users', 'Devices', 'Media Settings', 'System Settings', and 'Accounts'. A green 'Active' status indicator is visible in the top right corner.

The main content area is titled 'REVUSER'. It features a breadcrumb '< Users' and three buttons: 'Cancel', 'Create & Add Another User', and 'Create User' (highlighted with a red box). The form contains the following fields:

- First Name: Rev
- Last Name: User
- Contact Email: revuser@chrruiz.lab
- Title: (empty)
- Phone Number: (empty)
- Preferred Language: English
- Username: RevUser (highlighted with a red box)

The 'ROLE ASSIGNMENT' section is divided into two columns: 'ASSIGNED ROLES' and 'AVAILABLE ROLES'. The 'ASSIGNED ROLES' column (highlighted with a red box) includes 'Media Admin', 'Media Contributor', and 'Media Viewer', each with a checked checkbox. The 'AVAILABLE ROLES' column includes 'Account Admin' and 'Event Admin', each with an unchecked radio button. There are also 'Remove All (3)' and 'Add All (2)' buttons, along with search fields for roles.

The 'GROUP ASSIGNMENT' section is currently empty, showing a search bar and the text 'No Items Assigned'.

At the bottom of the form, there are '< Users', 'Cancel', and 'Save' buttons.

在VBrick Rev上播放影片時出現問題：

錯誤消息：嘗試播放TCS VoD錄製時，VBrick Rev伺服器Web介面上的「無法處理影片」。

解決方案：請聯絡VBrick支援部門進行進一步的故障排除，因為這可能與雲中託管的Rev服務有關。