



Integration Note for Configuring Cisco MXE 3500 Release 3.3 with Cisco TCS Release 5.2

This document describes how to integrate the Cisco Media Experience Engine 3500 (Cisco MXE 3500) Release 3.3 with Cisco TelePresence Content Server (TCS) Release 5.2 and later to accept recorded video content from Cisco TCS, transform the recording, and deliver to Cisco Show and Share Release 5.2.3 or Release 5.3.0 for sharing.

The following sections provide an overview of the workflow, guidelines and limitations, and describe how to configure Cisco MXE 3500 and Cisco TCS:

- [About Cisco MXE 3500 Integration with Cisco TCS, page 1](#)
- [Configure the Cisco MXE 3500, page 6](#)
- [Configure Cisco TCS, page 11](#)
- [Share Recording in Cisco Show and Share, page 12](#)
- [Verify the Integration, page 14](#)
- [Related Documentation, page 14](#)

This document supports the following releases:

- Cisco Media Experience Engine 3500 Release 3.3
- Cisco TelePresence Content Server (TCS) Release 5.2 and later
- Cisco Show and Share Release 5.2.3 and 5.3

About Cisco MXE 3500 Integration with Cisco TCS

When Cisco MXE 3500 integration with Cisco TCS is configured, recorded videos in Cisco TCS are delivered to the Cisco MXE 3500 for transformation. The transformed recordings are then delivered to Cisco Show and Share for sharing.

This section contains the following information:

- [Workflow Overview, page 2](#)
- [Guidelines and Limitations, page 5](#)



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Workflow Overview

This section provides an overview of the workflows for configuring the Cisco MXE 3500 and Cisco TCS for transforming and sharing the recordings. The following workflows are described:

- [Automatically Publish Recordings for Viewers to See in Cisco Show and Share, page 2](#)
- [Deliver the Recording to Cisco Show and Share as Draft, page 3](#)
- [Review Recordings in Cisco TCS Before Publishing to Cisco Show and Share, page 4](#)

The configuration tasks for the above workflows is described in “[Configure the Cisco MXE 3500](#)” section on page 6 and “[Configure Cisco TCS](#)” section on page 11.

Automatically Publish Recordings for Viewers to See in Cisco Show and Share

This section provides an overview of the workflow to automatically publish the recording for viewers to see in Cisco Show and Share.

- [Configuration Workflow, page 3](#)
- [Content Transformation and Sharing Workflow, page 3](#)

Configuration Workflow

Complete the following configuration tasks to automatically submit recorded content from Cisco TCS to Cisco MXE 3500, and publish to Cisco Show and Share:

1. In Cisco MXE 3500 perform the following configurations:
 - a. Using the Cisco MXE 3500 Linux administration utility, enable Cisco TCS integration.
 - b. Using the Cisco MXE 3500 web UI, create a job profile for use by Cisco TCS. The job profile defines the desired encoding output, bumpers, trailers, watermark, graphics overlay, and distribution to Cisco Show and Share. **To automatically publish the recording to Cisco Show and Share without review, select Auto Approve/Publish in the Show and Share delivery profile.**
2. In Cisco TCS perform the following configurations:
 - a. Cisco MXE 3500 media server configurations for applying bumper, trailers, watermark, and graphics overlay, and for publishing to different categories on Cisco Show and Share. The media server configuration defines the Cisco MXE 3500 profile space, job profile, destination FTP server configuration for uploading the recorded content, and API authentication.
 - b. Add a template based on the media server configuration you created in step a.
 - c. Associate the template you created in step b to a recording alias.



Note

If the MXE 3500 media server configuration template is associated with a recording alias, the template is automatically applied when the recording alias starts a recording. If the MXE 3500 media server configuration template is not associated with the recording alias, the recording is not forwarded to Cisco MXE 3500 for transformation and then sharing on Cisco Show and Share. The end user has to edit the recording in Cisco TCS and manage the output by selecting the MXE 3500 media server configuration. Cisco TCS then forwards the recording to Cisco MXE for transcoding and to Cisco Show and Share for sharing.

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Content Transformation and Sharing Workflow

1. The Cisco TCS performs the following automatically:
 - a. Uploads the recording to the Cisco MXE 3500 FTP server specified in the media server configuration.
 - b. Submits a job to the Cisco MXE 3500 using the configured job profile. The meta data is also submitted to Cisco MXE 3500.
2. The Cisco MXE 3500 processes the job and publishes the recording to Cisco Show and Share.

Deliver the Recording to Cisco Show and Share as Draft

This section provides an overview of the workflow to deliver the recording to Cisco Show and Share as draft.

- [Configuration Workflow, page 3](#)
- [Content Transformation and Sharing Workflow, page 3](#)

Configuration Workflow

Complete the following configuration tasks to automatically submit the recording from Cisco TCS to Cisco MXE 3500, and deliver to Cisco Show and Share as draft. This allows the end user to review the recording in Cisco Show and Share before publishing the recording for viewers to see.

1. In Cisco MXE 3500 perform the following configurations:
 - a. Using the Cisco MXE 3500 Linux administration utility, enable Cisco TCS integration.
 - b. Using the Cisco MXE 3500 web UI, create a job profile for use by Cisco TCS. The job profile defines the desired encoding output, bumpers, trailers, watermark, graphics overlay, and distribution to Cisco Show and Share. **To deliver the recording as Draft to Cisco Show and Share do not select (default) Auto Approve/Publish in the Show and Share delivery profile.**
2. In Cisco TCS perform the following configurations:
 - a. Cisco MXE 3500 media server configurations for applying bumper, trailers, watermark, and graphics overlay, and for publishing to different categories on Cisco Show and Share. The media server configuration defines the Cisco MXE 3500 profile space, job profile, destination FTP server configuration for uploading the recorded content, and API authentication.
 - b. Add a template based on the media server configuration you created in step a.
 - c. Associate the template you created in step b to a recording alias.



Note

If the MXE 3500 media server configuration template is associated with a recording alias, the template is automatically applied when the recording alias starts a recording. If the MXE 3500 media server configuration template is not associated with the recording alias, the recording is not forwarded to Cisco MXE 3500 for transformation and then sharing on Cisco Show and Share. The end user has to edit the recording in Cisco TCS and manage the output by selecting the MXE 3500 media server configuration. Cisco TCS then forwards the recording to Cisco MXE for transcoding and to Cisco Show and Share for sharing.

Content Transformation and Sharing Workflow

1. The Cisco TCS performs the following automatically:
 - a. Uploads the recording to the Cisco MXE 3500 FTP server specified in the media server configuration.

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- b. Submits a job to the Cisco MXE 3500 using the configured job profile. The meta data is also submitted to Cisco MXE 3500.
2. The Cisco MXE 3500 processes the job and delivers the recording as draft to Cisco Show and Share.
3. User reviews the recording in Cisco Show and Share, adds tags, and publishes.

Review Recordings in Cisco TCS Before Publishing to Cisco Show and Share

This section provides an overview of the workflow that allows the end user to review the recording before publishing to Cisco Show and Share.

- [Configuration Workflow, page 4](#)
- [Content Transformation and Sharing Workflow, page 5](#)

Configuration Workflow

Complete the following configuration tasks to review the recording in Cisco TCS before publishing to Cisco Show and Share:

1. In Cisco MXE 3500 perform the following configurations:
 - a. Using the Cisco MXE 3500 Linux administration utility, enable Cisco TCS integration.
 - b. Using the Cisco MXE 3500 web UI, create a job profile for use by Cisco TCS. The job profile defines the desired encoding output, bumpers, trailers, watermark, graphics overlay, and distribution to Cisco Show and Share.



Note To automatically publish the recording to in Cisco Show and Share without review, select **Auto Approve/Publish** in the Show and Share delivery profile. To deliver the recording as Draft to Cisco Show and Share **do not select** (default) **Auto Approve/Publish** in the Show and Share delivery profile.

2. In Cisco TCS perform the following configurations:
 - a. Cisco MXE 3500 media server configurations for applying bumper, trailers, watermark, and graphics overlay, and for publishing to different categories on Cisco Show and Share. The media server configuration defines the Cisco MXE 3500 profile space, job profile, destination FTP server configuration for uploading the recorded content, and API authentication.
 - b. **Do not** associate an MXE 3500 media server configuration template to a recording alias.



Note If the MXE 3500 media server configuration template is associated with a recording alias, the template is automatically applied when the recording alias starts a recording. If the MXE 3500 media server configuration template is not associated with the recording alias, the recording is not forwarded to Cisco MXE 3500 for transformation and then sharing on Cisco Show and Share. The end user has to edit the recording in Cisco TCS and manage the output by selecting the MXE 3500 media server configuration. Cisco TCS then forwards the recording to Cisco MXE for transcoding and to Cisco Show and Share for sharing.

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Content Transformation and Sharing Workflow

1. On the Cisco TCS, the end user does the following:
 - a. Edits the recording and adds the meta data. The meta data includes a name for the recording, speaker names, content description, keywords, and copyright information.
 - b. Manages outputs by selecting the Media Experience Engine 3500 media server configuration, and presentation option (only if the recording has dual video).
2. The Cisco TCS performs the following automatically:
 - a. Uploads the recording to the Cisco MXE 3500 FTP server specified in the media server configuration.
 - b. Submits a job to the Cisco MXE 3500 using the configured job profile. The meta data is also submitted to Cisco MXE 3500.
3. The Cisco MXE 3500 processes the job and publishes the recording to Cisco Show and Share.

Guidelines and Limitations

The following guidelines and limitations apply to Cisco MXE 3500 integration with Cisco TCS:

- The preprocessor profile must have auto aspect ratio and percentage based watermarks enabled.
- The Cisco MXE 3500 API authentication is enabled by default. You must disable API basic authentication in Cisco MXE 3500 to integrate with Cisco Show and Share. In this case, API basic authentication in Cisco MXE 3500 is also disabled for Cisco TCS.



Note Cisco MXE 3500 uses the mode that you configure upon save. The Cisco MXE 3500 web UI and APIs will not be accessible for 1-2 minutes while the authentication mode change is applied.

- To automatically share content on Cisco Show and Share, enable the **sns** worker in the Cisco MXE 3500 Host Administration page.
- For the owner of the recording to display as the author on Cisco Show and Share, LDAP must be enabled on Cisco TCS and on Cisco Show and Share and linked to the same LDAP server.
- In the following instances, **superuser** is displayed on Cisco Show and Share as the author:
 - recording alias is a system alias
 - recording alias is an LDAP group alias
 - recording alias is a local user account
- Owners of a recording who are added to Cisco TCS from the TCS Groups and Users page, and who are not users on Cisco Show and Share, display as **author not available**. The recordings published by an invalid author are accessible only by the **superuser**.
- Tags must be less than 45 characters in length. Cisco Show and Share truncates tags with more than 45 characters.

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Configure the Cisco MXE 3500

In a clustered deployment, perform all configuration steps on the Resource Manager (RM) appliance.



Note

The profile configurations described in this section are performed in the Default System profile space.

The following configuration tasks are detailed in this section:

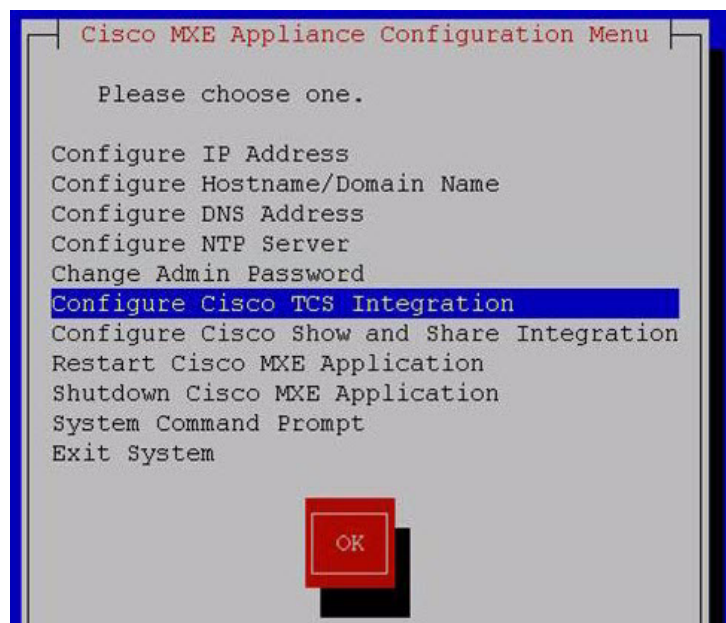
- [Configure Cisco TCS Integration and tcsftp, page 6](#)
- [Configure Preprocessor Profile, page 7](#)
- [Create a Delivery Profile, page 7](#)
- [Create Output Profile, page 8](#)
- [Enable Cisco Show and Share Worker for the Host, page 10](#)
- [Configure Job Profile, page 10](#)

Configure Cisco TCS Integration and tcsftp

Follow these steps to configure the Cisco TCS in Cisco MXE 3500, and to configure the Cisco TCS FTP account:

- Step 1** SSH to *mxe_IP_address*, where *mxe_IP_address* is the hostname or IP address for the Cisco MXE 3500.
- Step 2** Log in as **admin**. The configuration menu appears.
- Step 3** Select **Configure Cisco TCS Integration**, and select **OK**.

Figure 1 *Configure Cisco TCS Integration*



- Step 4** In the Configure Cisco TCS Integration screen, select **Enable Cisco TCS Integration**.

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Figure 2 Configure TCS FTP Account

Configure Cisco TCS Integration

To enable, mark box by pressing Spacebar.
If enable, password is required.

Enable Cisco TCS Integration

User name: tcsftp _____

Password: _____

Verify Password: _____

Cancel OK

- Step 5** Enter a password for tcsftp in the **Password** field.
- Step 6** Reenter the password in the **Verify Password** field.
- Step 7** Select **OK**.

Configure Preprocessor Profile

Follow these steps to create a preprocessor file for Cisco TCS:

- Step 1** From the Cisco MXE 3500 web UI **Toolbox**, expand **Profile Management**, and click **New Profile**. The New Profile pop-up displays.
- Step 2** From the **Profile Class** drop-down, select **Preprocessor**.
- Step 3** Enter the appropriate preprocessor settings, and click **Save**.
- The Aspect Ratio Conversion must be set to Auto.
- Optionally, select bumper, trailer, graphics overlay, and watermark. Watermark must be percentage based.

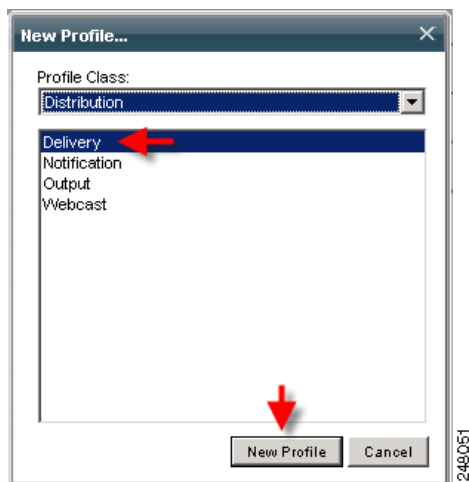
Create a Delivery Profile

Follow these steps to create a delivery profile:

- Step 1** From the Cisco MXE 3500 web UI **Toolbox**, expand **Profile Management**, and click **New Profile**. The New Profile pop-up displays.
- Step 2** From the **Profile Class** drop-down, select **Distribution** as shown in [Figure 3](#).

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Figure 3 Creating a New Delivery Profile



Step 3 Highlight **Delivery**, and click the **New Profile** button. The New Delivery Profile page displays.

Step 4 Expand **Delivery Formats**, and select the following delivery formats:

- Flash 8
- H.264

Step 5 To deliver the encoded content to Cisco Show and Share for sharing, expand **Show and Share Delivery**.

- a. Select **Enabled**.
- b. In the **API URL** and **Upload URL** input boxes, replace [HOST] with the IP address or hostname of the Cisco Show and Share server.
- c. Enter **Username** and **Password**. The username is **superuser**.
- d. Click the **Load Categories** button. The default is **None**.
- e. (Optional) Select **Auto Approve/Publish**.



Note Auto Approve/Publish automatically publishes the recording to Cisco Show and Share. Do not select if you want to review the recording in Cisco Show and Share before publishing for viewers to see.

- f. (Optional) Enter **Retry Attempts** and **Retry Frequency**.

Step 6 Click **Save**.

Create Output Profile

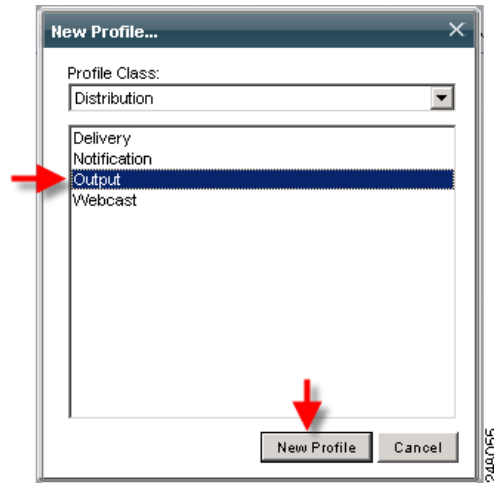
Follow these steps to create a an output profile:

Step 1 From the Cisco MXE 3500 web UI **Toolbox**, expand **Profile Management**, and click **New Profile**. The New Profile pop-up displays.

Step 2 From the **Profile Class** drop-down, select **Distribution** as shown in [Figure 4](#).

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Figure 4 **Creating a Output Profile**



Step 3 Highlight **Output**, and click the **New Profile** button. The New Output Profile page displays.

Figure 5 **The New Output Profile Page**

| New Save Save As Delete Show XML Collapse Expand Clear Status | | |
|---|--|--|
| Common | | |
| Profile Enabled: | <input checked="" type="checkbox"/> | Enables this profile for processing in a job |
| Save Local Output File | | |
| Caption Extract: | <input checked="" type="checkbox"/> | Deliver Caption Extract format |
| Flash 7: | <input type="checkbox"/> | Deliver Flash 7 format |
| Flash 8: | <input type="checkbox"/> | Deliver Flash 8 format |
| H.264: | <input type="checkbox"/> | Deliver H.264 format |
| Indexing: | <input checked="" type="checkbox"/> | Deliver Indexing format |
| MP3: | <input checked="" type="checkbox"/> | Deliver MP3 format |
| MPEG: | <input checked="" type="checkbox"/> | Deliver MPEG format |
| Preprocessor: | <input type="checkbox"/> | Deliver intermediate Preprocessor files |
| Quicktime: | <input checked="" type="checkbox"/> | Deliver Quicktime format |
| Real: | <input checked="" type="checkbox"/> | Deliver Real format |
| Speech To Text: | <input checked="" type="checkbox"/> | Deliver Speech To Text format |
| Thumbnails: | <input checked="" type="checkbox"/> | Deliver Thumbnails format |
| WAV: | <input checked="" type="checkbox"/> | Deliver WAV format |
| Windows Media: | <input checked="" type="checkbox"/> | Deliver Windows Media format |
| Output | | |
| Output Name Enabled: | <input type="checkbox"/> | Output name enabled |
| Output Filename | <input type="text" value="\$\$(basename).\$(profile).\$(subprofile)"/> | Name of the output file |

Step 4 Uncheck Flash 8 and H.264. This deletes the output after the recording is successfully published to Cisco Show and Share.

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Step 5 Enter the appropriate output settings, and click **Save**.

Enable Cisco Show and Share Worker for the Host



Note This configuration is required to automate distribution to Cisco Show and Share.

Follow these steps to enable the Cisco Show and Share worker for the Host:

Step 1 From the Cisco MXE 3500 web UI go to the Host Administration page, select a Host.



Note In a clustered deployment, repeat these steps for each Host.

Step 2 In the lower pane, select **sns Worker**, and click Permit.



Note The list of workers displayed is controlled by your license level.

Step 3 At the top of the page, click **Apply Configuration**.

Configure Job Profile

Follow these steps to create a job profile for Cisco TCS:

Step 1 From the Cisco MXE 3500 web UI **Toolbox**, expand **Profile Management**, and click **New Profile**. The New Profile pop-up displays.

Step 2 From the **Profile Class** drop-down, select **Job**, and click the **New Profile** button. The New Job Profile page displays.

Step 3 Expand the **Preprocessing** section, and from the drop-down, select the preprocessor profile you created for Cisco TCS.

Step 4 Expand the **Encoding** section, and select one or more of the following default Cisco Show and Share encoders.

For Cisco Show and Share 5.2.3, select one of the following encoder profiles:

- SNS_5.2.3_mezz_16X9
- SNS_5.2.3_mezz_4X3

For Cisco Show and Share 5.3.0, select one of the following encoder profiles:

- SNS_5.3.0_mezz_16X9
- SNS_5.3.0_mezz_4X3

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Note If Cisco Show and Share integration is not enabled in Cisco MXE 3500, choose one of the following encoders:

For Flash8 select one of the following encoder profiles:

- SNS_16X9_FLV
- SNS_4X3_FLV

For H.264 select one of the following encoder profiles.

- SNS_16x9_h.264
- SNS_4x3_h.264

-
- Step 5** Expand the **Distribution** section.
- a. From the Output drop down list, select the output profile you created.
 - b. From the Delivery list, select the delivery profile you created.
- Step 6** Click **Save**.
-

Configure Cisco TCS

The following Cisco TCS configuration tasks are described here:

- [Configure Cisco MXE 3500 Media Server, page 11](#)
- [Add Template, page 12](#)

Configure Cisco MXE 3500 Media Server

Follow these steps to create a new media server configuration:

-
- Step 1** Log into Cisco TCS, and click on the **Management** tab.
- Step 2** Go to **Recording setup > Media server configurations**.
- Step 3** Click on **Add Media Experience Engine 3500 Server Configuration**.
- Step 4** Enter the following settings in the configuration fields:
- A name for the Cisco MXE 3500 media server configuration.
 - The Cisco MXE 3500 IP address or hostname.
 - The User name as **tsftp**, and Password configured in [Configure Cisco TCS Integration and tsftp, page 6](#).
 - Click on the **Test FTP** button to test the FTP connection.
 - (Optional) Enter the MXEAPI User name as **mxeapi** and Password.

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Note Only required if API authentication in Cisco MXE 3500 is enabled. If Cisco Show and Share is integrated with Cisco MXE 3500, API authentication in Cisco MXE 3500 is disabled.

- For Profile space, select **System** from the drop down menu.
- For Profile, select the job profile you created from the drop down menu.

Step 5 Click **Save**.

Add Template

A Media Experience Engine 3500 Media server configuration template is associated to the recording alias to automate the delivery of the transformed recording to Cisco Show and Share.

To create a Media Experience Engine 3500 Media server configuration template, do the following:

Step 1 Go to **Recording setup > Templates**.

Step 2 Click **Add template**. The Add template page displays.

Step 3 Under Template, select **Distributed to Media Experience Engine 3500, Show and Share, Podcast Producer, or iTunes U**.

Step 4 Under Outputs for Distributed to Media Experience Engine 3500, Show and Share, Podcast Producer, or iTunes U, select the following:

- a. A presentation option (only if recording has dual video). The default selected is **Switching**.
- b. Select **Media Experience Engine 3500**.
- c. Select the Media server configuration (for the Media Experience Engine 3500) from the drop down menu.

Step 5 Click **Save**.

Share Recording in Cisco Show and Share

This section contains the following information:

- [Automated Delivery to Cisco Show and Share, page 12](#)
- [Edit Recording in Cisco TCS then Deliver Recording in Cisco Show and Share, page 13](#)

Automated Delivery to Cisco Show and Share

If a Media Experience Engine 3500 Media server configuration template is associated to a recording alias on Cisco TCS, the transformed recording is automatically delivered to Cisco Show and Share.

If **Auto Approve/Publish** is selected in the Show and Share delivery profile, the recording is automatically published in Cisco Show and Share.

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If **Auto Approve/Publish** is not selected in the Show and Share delivery profile, the recording is delivered to Cisco Show and Share as draft. The end user reviews the recording and publishes the recording for viewing.

Edit Recording in Cisco TCS then Deliver Recording in Cisco Show and Share

If a Media Experience Engine 3500 Media server configuration template is not associated to a recording alias in Cisco TCS, the end user Edits the recording to add meta data, then manages the output to deliver the recording to Cisco Show and Share.

The meta data includes a name for the recording, speaker names, content description, keywords, and copyright information. After editing and reviewing the recording, the end user manages the output by selecting the media server configuration.

The recording is automatically delivered to Cisco MXE 3500 for transformation, then to Cisco Show and Share for publishing. The meta data stays with the recording, and displayed when the recording is published to Cisco Show and Share.

The following steps describe how to edit and manage the output for a recording:

-
- Step 1** Log into Cisco TCS, and click on the **Management** tab.
 - Step 2** Go to **Recordings > Edit recordings**.
 - Step 3** Click on **Edit recording** for the video recording to send to Cisco MXE 3500 for transformation.
 - Step 4** Enter the Recording information:
 - a. A Name for the video recording. This will appear as the subject in the overlay that Cisco MXE 3500 creates.
 - b. Description for the recording.
 - c. Speaker name. This will appear as the speaker name in the overlay that Cisco MXE 3500 creates.

The Name, Description, and Keywords entered display on Cisco Show and Share.
 - Step 5** Click **Save**.
 - Step 6** In the Edit Recordings page, click on **Manage outputs** for the recording.
 - a. Select **Distributed to Media Experience Engine 3500, Show and Share, Podcast Producer or iTunes**.
 - b. Expand Outputs for distribution to Media Experience Engine 3500, Show and Share, Podcast Producer or iTunes U.
 - Select **Media Experience Engine 3500**
 - Select the Media server configuration you created from the drop down list.
 - c. Click **Save**.

After the Cisco MXE 3500 transforms the recording, it is automatically delivered to Cisco Show and Share for sharing.

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**Note**

If **Auto Approve/Publish** is selected in the Show and Share delivery profile, the recording is automatically published in Cisco Show and Share.

If **Auto Approve/Publish** is not selected in the Show and Share delivery profile, the recording is delivered to Cisco Show and Share as draft. The end user reviews the recording and publishes the recording for viewing.

Verify the Integration

Cisco TCS now automatically submits transcoding jobs to the Cisco MXE 3500. Follow this procedure to verify the integration.

Procedure

Note: Depending on the queues it may take some time of the recordings to show up.

Step 1 Do the following in Cisco TCS:

- a. Click the **Manage outputs** link next to your recorded video.
- b. Select **Distributed to media Experience Engine 3500...**
- c. Click **Save**.
- d. Click on the **Diagnostics > Transcoding queue**

The video should be in the transcoding queue.

**Note**

The transcoding queue is only visible to the admin.

Step 2 Do the following in Cisco MXE 3500:

- a. In the **Toolbox**, expand **Monitoring**, and click on **Job Status**.
Your job should be displayed here.

Step 3 Do the following in Cisco Show and Share:

- a. Log in to Cisco Show and Share as the account configured in the Cisco MXE 3500 job profile.
- b. Go to **My Account > Uploaded Video**.

Depending on the processing queues in Cisco TCS and Cisco MXE 3500, your transformed recording displays here.

Related Documentation

Cisco MXE 3500:

http://www.cisco.com/en/US/products/ps12130/tsd_products_support_series_home.html

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Cisco TCS:

http://www.cisco.com/en/US/products/ps11347/tsd_products_support_series_home.html

Cisco Show and Share:

http://www.cisco.com/en/US/products/ps6682/tsd_products_support_series_home.html

Cisco MXE 3500 Integration with Cisco Show and Share:

http://www.cisco.com/en/US/products/ps6682/products_installation_and_configuration_guides_list.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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