

Create and edit a transcoding profile

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 This article is designated for administrators.

About

Transcoding is the process of converting media files from one format to another, ensuring they can be viewed across various devices and platforms.

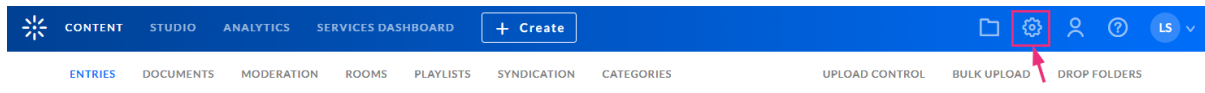
In this guide, we'll walk you through the steps to customize transcoding settings for your media assets, ensuring optimal quality and compatibility.



Please note that we do not recommend users configure their own transcoding profiles. The default profile that we provide should suffice for most use cases. If you still wish to create your own transcoding profile, please consult with our transcoding experts first to ensure the best results.

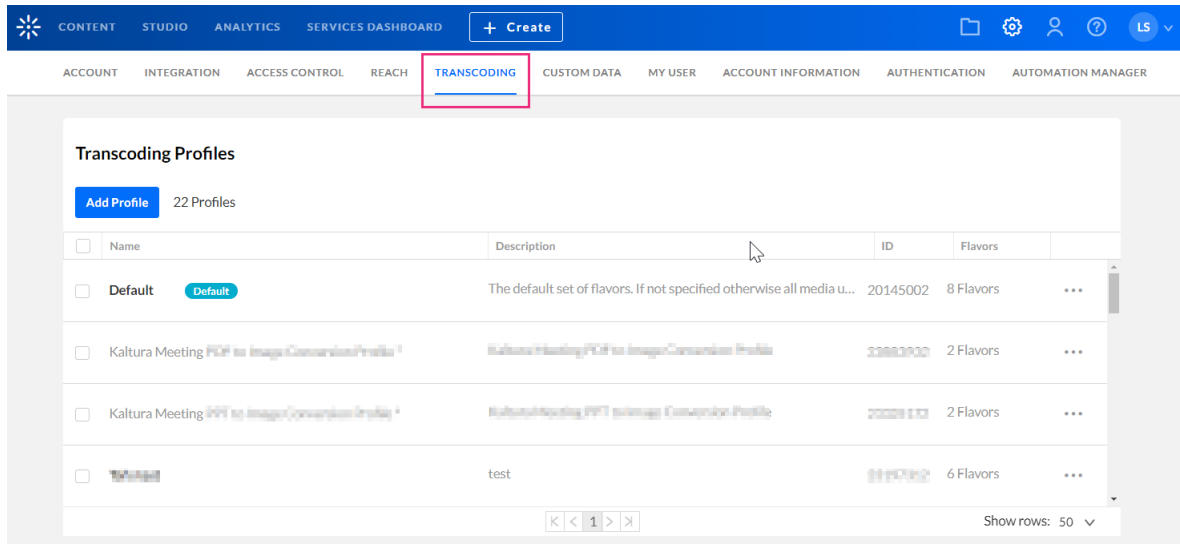
Create a transcoding profile

1. Log into KMC and click the **settings icon**.



The settings page displays.

2. Click the **Transcoding** tab.



The **Transcoding Profiles** page displays.

- Click **Add Profile**.



The **Add Transcoding Profile** screen displays.

Add Transcoding Profile

Name *

Description

Default Metadata Settings

- Enter a **Name** and **Description** for the profile.
- Enter the Entry ID for the **Default Metadata Settings** (optional). To learn more, visit our article [Create a Custom Metadata](#).

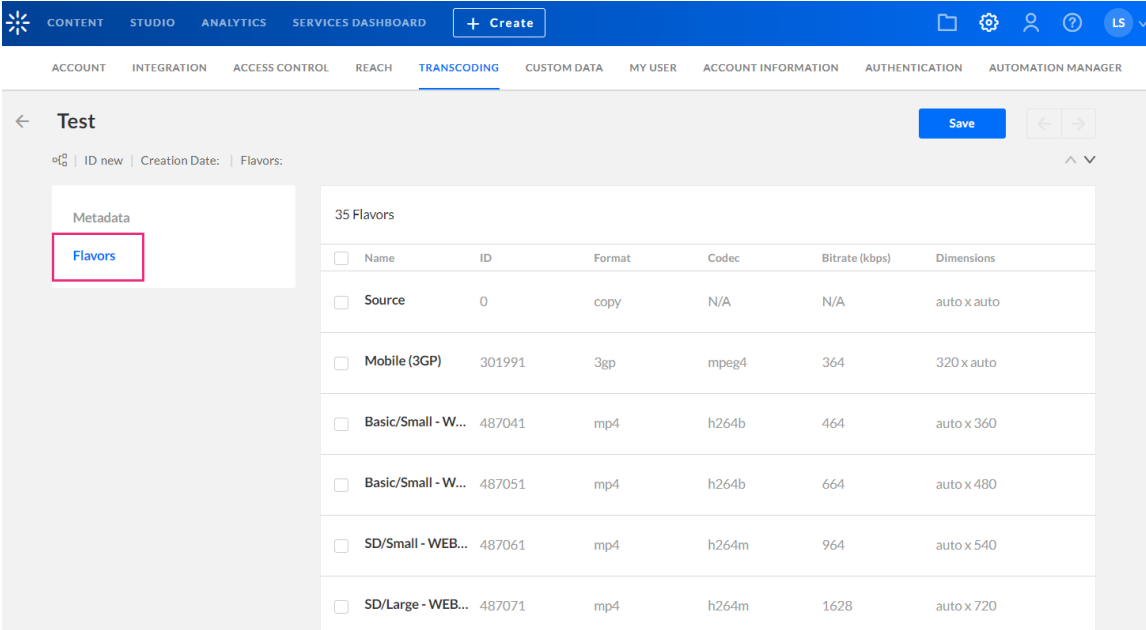


The entry's metadata fields are added to the transcoding profile. Each new entry that is transcoded using the profile will include those metadata fields. You can use the Metadata entries as "metadata templates" for adding metadata to multiple files.

6. If you have Remote Storage configured on your account, select **Ingest from Remote Storage**.

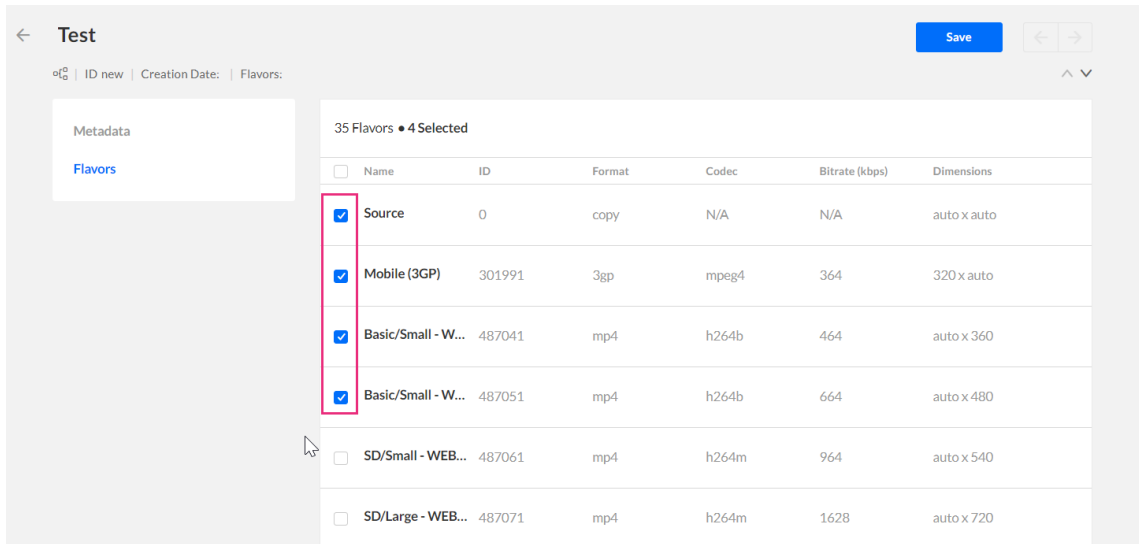
7. Click **Save**.

The **Flavors** tab displays.



<input type="checkbox"/>	Name	ID	Format	Codec	Bitrate (kbps)	Dimensions
<input type="checkbox"/>	Source	0	copy	N/A	N/A	auto x auto
<input type="checkbox"/>	Mobile (3GP)	301991	3gp	mpeg4	364	320 x auto
<input type="checkbox"/>	Basic/Small - W...	487041	mp4	h264b	464	auto x 360
<input type="checkbox"/>	Basic/Small - W...	487051	mp4	h264b	664	auto x 480
<input type="checkbox"/>	SD/Small - WEB...	487061	mp4	h264m	964	auto x 540
<input type="checkbox"/>	SD/Large - WEB...	487071	mp4	h264m	1628	auto x 720

8. Select the flavors (out of the available flavors on your account) to apply to the source media you upload.



← Test Save

ID new | Creation Date: | Flavors: ^ v

Metadata

Flavors

35 Flavors • 4 Selected

<input type="checkbox"/>	Name	ID	Format	Codec	Bitrate (kbps)	Dimensions
<input checked="" type="checkbox"/>	Source	0	copy	N/A	N/A	auto x auto
<input checked="" type="checkbox"/>	Mobile (3GP)	301991	3gp	mpeg4	364	320 x auto
<input checked="" type="checkbox"/>	Basic/Small - W...	487041	mp4	h264b	464	auto x 360
<input checked="" type="checkbox"/>	Basic/Small - W...	487051	mp4	h264b	664	auto x 480
<input type="checkbox"/>	SD/Small - WEB...	487061	mp4	h264m	964	auto x 540
<input type="checkbox"/>	SD/Large - WEB...	487071	mp4	h264m	1628	auto x 720

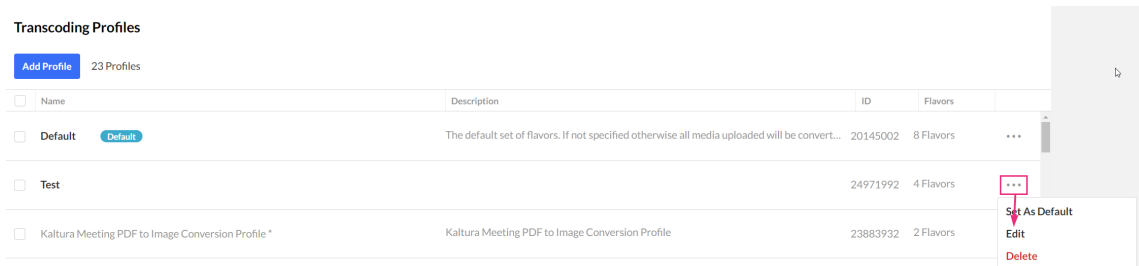


Avoid using only the **source** flavor. Source-only videos don't support adaptive streaming and may cause playback issues. For best results, include at least one additional flavor (for example, SD or HD).

9. Click **Save**.

Edit a transcoding profile

1. Navigate to the desired profile and click the **three-dot menu** at the end of the row.
2. Select **Edit**.



Transcoding Profiles

Add Profile 23 Profiles

<input type="checkbox"/>	Name	Description	ID	Flavors	
<input type="checkbox"/>	Default	The default set of flavors. If not specified otherwise all media uploaded will be convert...	20145002	8 Flavors	...
<input checked="" type="checkbox"/>	Test		24971992	4 Flavors	...
<input type="checkbox"/>	Kaltura Meeting PDF to Image Conversion Profile*	Kaltura Meeting PDF to Image Conversion Profile	23883932	2 Flavors	...

...

Set As Default

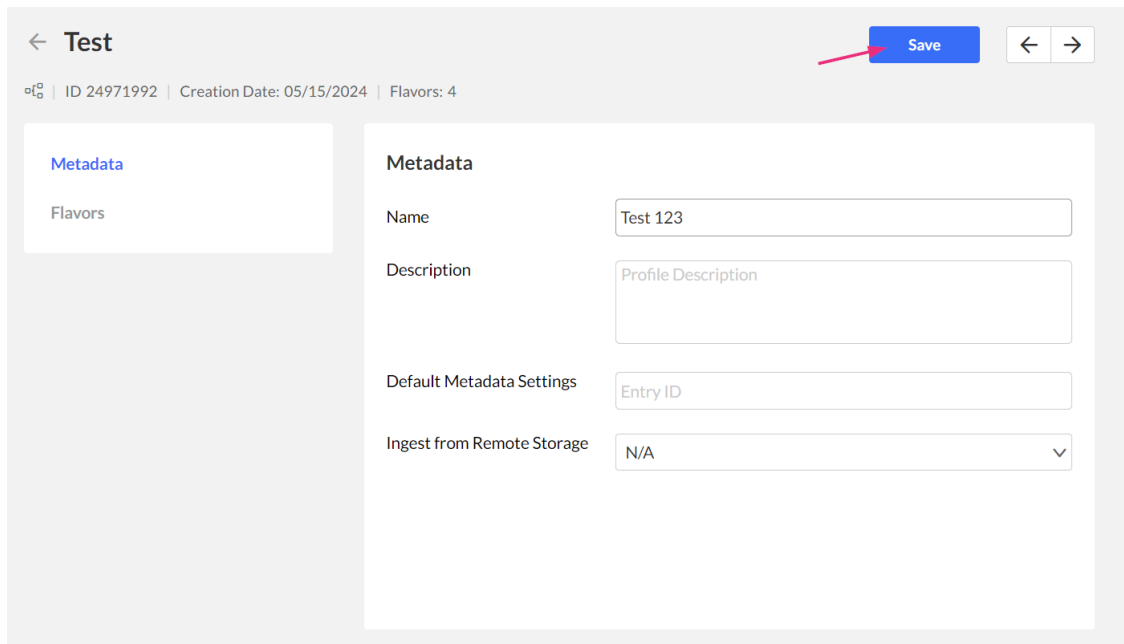
Edit

Delete

The Metadata page displays.

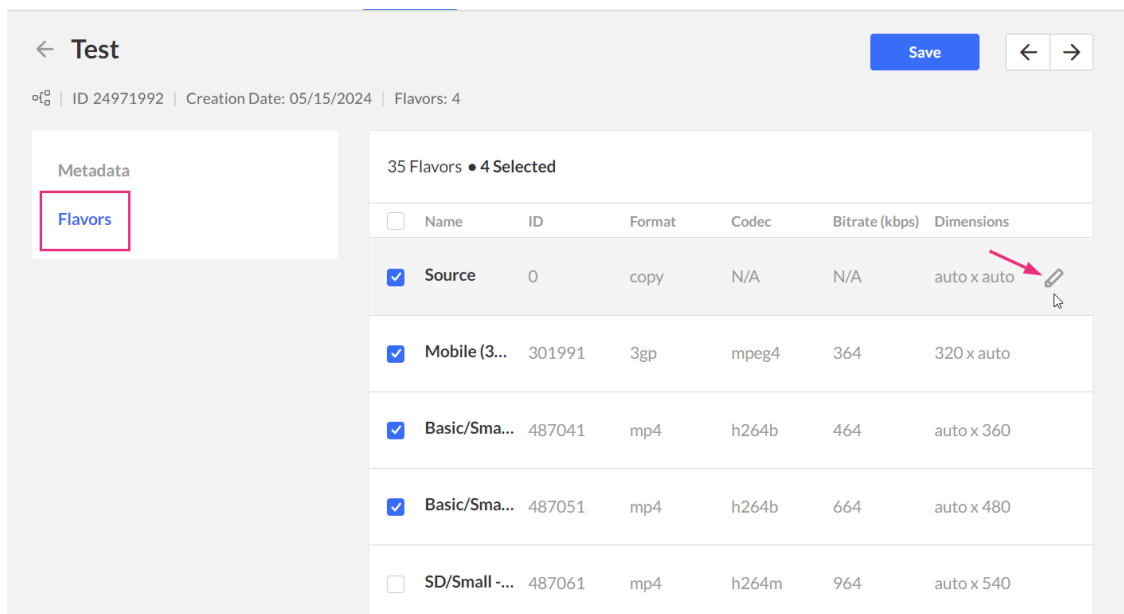
Edit metadata

1. Make the desired changes.
2. Click **Save**.



Edit flavors

1. Click the **Flavors** tab.
2. Locate the flavor you want to edit and hover over the space at the end of the row. A **pencil icon** appears.



3. Click the pencil icon.
4. The **Edit Flavor Settings** window displays.

Edit Flavor Settings

Profile Name	<input type="text" value="Test"/>
Flavor Name	<input type="text" value="Mobile (3GP)"/>
Impact on Entry Readiness	<input type="text" value="No Impact"/> ▼
Use Kaltura Transcoding	<input type="text" value="Always"/> ▼
System Name: (Optional)	<input type="text" value="Mobile(3GP)"/>
Flavor Generation Policy	<input type="text" value="Use Kaltura's Optimization"/> ▼

5. Make your edits. The following options can be edited for each transcoding flavor selected in a transcoding profile:

- **Impact on Entry Readiness** – Determines the impact of each specific transcoding flavor on entry readiness for publishing.

Edit Flavor Settings

Profile Name	<input type="text" value="Test"/>
Flavor Name	<input type="text" value="Mobile (3GP)"/>
Impact on Entry Readiness	<input type="text" value="No Impact"/> <ul style="list-style-type: none"> No Impact No Impact Required Optional
Use Kaltura Transcoding	<input type="text" value="Always"/>
System Name: (Optional)	<input type="text" value="Mobile(3GP)"/>
Flavor Generation Policy	<input type="text" value="Use Kaltura's Optimization"/> ▼

The options are:

- **No Impact** – Determining entry readiness is not affected by the presence of this transcoding flavor. This is usually the default setting for the “Source” transcoding flavor.
- **Required** – The entry will not be set to a Ready state until the processing of the specific transcoding flavor is complete. To expedite video readiness we

recommend applying the 'Required' setting to a single flavor that is required for playback on each required environment. For example, if the source file is an MOV that cannot be played on the web, flagging only one lowest quality FLV or MP4 flavor as 'Required' will ensure the video will be published as quickly as possible while the other flavors are being prepared.

- **Optional** – The entry may be set to a Ready state before the processing of the specific transcoding flavor is complete. When no other Transcoding Flavor within the Transcoding Profile is set as required, completion of the processing of any Optional flavor sets the entry to the Ready state. We recommend using this option for most flavors to increase speed of readiness.
- **Use Kaltura Transcoding** – Determines whether to use the Kaltura transcoding engine for generating each specific transcoding flavor. This option is enabled only when your account is set to support the ingestion of multiple bit-rate transcoding flavors generated by your local transcoder. If Kaltura performs transcoding of all flavors except the 'source' file, this option should be set to **Always**.

Edit Flavor Settings

Profile Name	<input type="text" value="Test"/>
Flavor Name	<input type="text" value="Mobile (3GP)"/>
Impact on Entry Readiness	<input type="text" value="No Impact"/> ▼
Use Kaltura Transcoding	<input type="text" value="Always"/> ▼
System Name: (Optional)	<input type="text" value="Mobile(3GP)"/>
Flavor Generation Policy	<input type="text" value="Use Kaltura's Optimization"/> ▼

The options are:

- **Always** – Kaltura's transcoding engine always will be used for generating the specific Transcoding Flavor.
- **Never** – The Kaltura transcoding engine will not generate the specific transcoding flavor. This is a fixed setting for the "Source Flavor" which always is added to the entry with no additional processing. This option should also be used when your account's content ingestion workflow relies on a local transcoding engine and when the ingestion of the previously transcoded Flavor to Kaltura should always take place, bypassing Kaltura's conversion processing.
- **As a Fallback** – The system expects to add this transcoding flavor from a local

transcoding engine, but will use Kaltura’s transcoding engine as a fallback to convert to this flavor when the flavor is not received as part of the ingestion request. This option adds flexibility when you want to use your local transcoding engine while utilizing Kaltura’s transcoding engine as a fallback option.

- **System Name (Optional)** - The system name is used to identify the flavor in client-side applications. For example, to mark a specific flavor as suitable for playback on iPad devices, the system name was set to iPad.
- **Flavor Generation Policy** - You can bypass Kaltura’s transcoding optimization, and force specific flavors to be generated even when though they are detected as redundant by the Kaltura transcoding optimization module.

Edit Flavor Settings

Profile Name	<input type="text" value="Test"/>
Flavor Name	<input type="text" value="Mobile (3GP)"/>
Impact on Entry Readiness	<input style="border-bottom: 1px solid #ccc;" type="text" value="No Impact"/>
Use Kaltura Transcoding	<input style="border-bottom: 1px solid #ccc;" type="text" value="Always"/>
System Name: (Optional)	<input type="text" value="Mobile(3GP)"/>
Flavor Generation Policy	<div style="border: 1px solid #ccc; padding: 5px;"> <input style="width: 100%;" type="text" value="Use Kaltura's Optimization"/> <input checked="" type="checkbox"/> Use Kaltura's Optimization <input type="text" value="Force Flavor Generation"/> </div>

The options are:

- **Use Kaltura’s Optimization** - Kaltura’s optimization routine decides whether it is worth-while to create a flavor (For example if the source video is of lesser quality than the flavor, the optimization routine will not create the flavor).
- **Force Flavor generation** -Select this option to override the Kaltura optimization routine and create a flavor regardless of whether or not it is redundant quality wise (For example, when a publisher has to distribute the video through a broadcast channel that requires specific flavor specifications, the flavor must be created.)

The same flavor may have different settings in a different transcoding profile, which allows for greater publishing flexibility.

Assign a transcoding profile to a bulk upload

To assign a transcoding profile other than the default profile to a bulk upload



- Set the ID from the Transcoding Profiles to the conversionProfileId in your CSV.
 - Set the ID from the Transcoding Profiles List to the conversionProfileId in your XML file.
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