

How to Set Transcoding Profiles for Live Streaming

You can define and then set a default live transcoding profile. Live transcoding profiles are available for Kaltura live streaming broadcasts.

The options for live streaming transcoding profiles include Pass-Through and Cloud Transcode.

Pass-Through - Live

The Pass-through transcoding profile option, also known as Live, takes your content's original source input flavor and passes it through the Kaltura system without any changes. This option uploads the source file, but does not transcode it; the source is the original file uploaded as is. Other flavors are not created. Pass – through is done on the client side. If you want multiple transcode values, you will need to encode the multiple flavors on the client with your local encoder.

Pass-through Transcoding Profile Features:

- Ideal for multiple (Standard Definition) SD concurrent sessions
- All transcoding is done on site (additional H/W may be required)
- Limited renditions
- Sufficient uplink bandwidth required
- Single or Multiple/Adaptive playback

Audio is adjusted to AAC format.

Cloud Transcode – Live +

The Cloud transcoding option, also known as Live+, takes the content's original source input flavor and generates additional transcoding flavors that support different resolutions and formats. There are 3 pre-defined cloud transcode packages: SD, HD and HD+, each package offers different # of flavors, resolutions and bitrates.

The example below refers to the SD (default) package. For further information regarding the HD and HD+ packages, see Kaltura Live+/CloudTranscoding.



Netadata 23 Florors + Selected Inter Io Permat Code: Bitrate (Mpin) Dimensions I Name IO Permat Code: Bitrate (Mpin) Dimensions I Source 32 fv N/A Adox 4do I Basic/Small+WEB/MBL 33 mp4 h264b 664 640x auto I Basic/Small+WEB/MBL 36 mp4 h264m 664 640x auto I Basic/Small+WEB/MBL 36 mp4 h264m 640 640x auto I Basic/Small-WEB/MBL 36 mp4 h264m 640 640x auto I Ingest 2 36 mp4 h264m 640 640x auto I Ingest 3 37 mp4 h264m 640x auto 640x auto I Ingest 3 37 mp4 h264m h264m 640x auto I Ingest 3 37 fv NA NA autox 540 <t< th=""><th> <!--</th--><th></th><th></th><th>Cloud transcode</th><th></th></th></t<>	 <!--</th--><th></th><th></th><th>Cloud transcode</th><th></th>			Cloud transcode					
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Image: Signal - WEB/MB 3 mp4 h26b 464 480 xauto Image: Signal - WEB/MBL 34 mp4 h26b 664 640 xauto Image: Signal - WEB/MBL 34 mp4 h26b 664 640 xauto Image: Signal - WEB/MBL 35 mp4 h264m 964 640 xauto Image: Signal - WEB/MBL 36 fv NA NA 480 x360 Image: Signal - WEB/MBL 36 fv NA NA 640 x480 Image: Signal - WEB/MBL 37 fv NA NA 640 x480		Dimensions	Bitrate (kbps)	Codec	Format	ID	Name	Flavors	
Image: Sector Small - WEB/MBL. 34 mp4 h264b 664 640 xauto SD/Small - WEB/MBL(35 mp4 h264m 964 640 xauto Image: 1 Image: 2 36 fv N/A N/A 480 x360 Image: 3 37 fiv N/A N/A 640 x480 Image: 4 39 fv N/A N/A autox 540		640 x 480	N/A	N/A	flv	32	Source		
Image: 1		480 x auto	464	h264b	mp4	33	Basic/Small - WEB/MB		
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Ingest 3 37 flv N/A N/A 640x480 Ingest 4 39 flv N/A N/A autox540		640 x auto	964	h264m	mp4	35	SD/Small - WEB/MBL (
□ Ingest.4 39 ftv N/A N/A auto.x.540		480×360	N/A	N/A	flv	36	Ingest 2		
		640 x 480	N/A	N/A	flv	37	Ingest 3		
Ingest 5 40 fiv N/A N/A autox720		auto x 540	N/A	N/A	flv	39	Ingest 4		
		auto x 720	N/A	N/A	flv	40	Ingest 5		
□ Ingest 6 41 fiv N/A N/A autox720		auto x 720	N/A	N/A	flv	41	Ingest 6		

Cloud Transcoding Profile Features

- Ideal for HD sessions with large audiences
- Requires only a single HD feed
- Transcoding is done in the cloud
- Includes 4-6 renditions (including source) based on selected package
- Standard uplink required
- Adaptive playback
- Support packages available

To edit a Transcoding Profile for live streaming

1. Select the Settings tab and then select Transcoding Settings.

Live Transcoding Profiles				
Add Profile 2 Profiles				
Name	Description	ID	Flavors	
Cloud transcode	The default set of live renditions	9089861	4 Flavors	
Passthrough	Publish only the broadcasted stream	8889331	3 Flavors	
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Cloud transcoding is the default profile for live streaming. The cloud has several flavors that support different resolutions and formats. See Kaltura Live+/Cloud Transcoding.

2. Click on Cloud Transcode and then select the Flavors tab to open the flavors for the selected Cloud Transcoding Profile.



Cloud transcode						
Metadata	23 Flavors • 4 Selected					
Flavors	Name	ID	Format	Codec	Bitrate (kbps)	Dimensions
	Source	32	flv	N/A	N/A	640×480
	Basic/Small - WEB/MB	- 33	mp4	h264b	464	480 x auto
	Basic/Small - WEB/MB	• 34	mp4	h264b	664	640 x auto
	SD/Small - WEB/MBL (35	mp4	h264m	964	640 x auto
	Ingest 2	36	flv	N/A	N/A	480 x 360
	Ingest 3	37	flv	N/A	N/A	640 x 480
	Ingest 4	39	flv	N/A	N/A	auto x 540
	Ingest 5	40	flv	N/A	N/A	auto x 720
	Ingest 6	41	flv	N/A	N/A	auto x 720

3. Click on the Flavor name to edit or use the pencil to edit the flavors.

Basic/Small - WEB/MB.	34	mp4	h264b	664	640 x auto	Ø
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The Edit Flavor is displayed.

Edit Live Flavor Settings

Profile Name	Cloud
Flavor Name	Basic/Small - WEB/MBL (H264/400)
System Name: (Optional)	Basic_Small_400
	Cancel Save

Only the System Name may be edited.

4. Click Save.

[template("cat-subscribe")]