

# Creating a single MPG4 output

Apr 2020

In this example we will look at how to create a single MPG4 output from an input file. This guide assumes that you have a working MK Encoding on Demand and have some local or shared files to encode. This guide also assumes you have used MK products before and are at least a little familiar with the Controller interface.

The configuration of the Encoding on Demand server is done in two distinct steps:

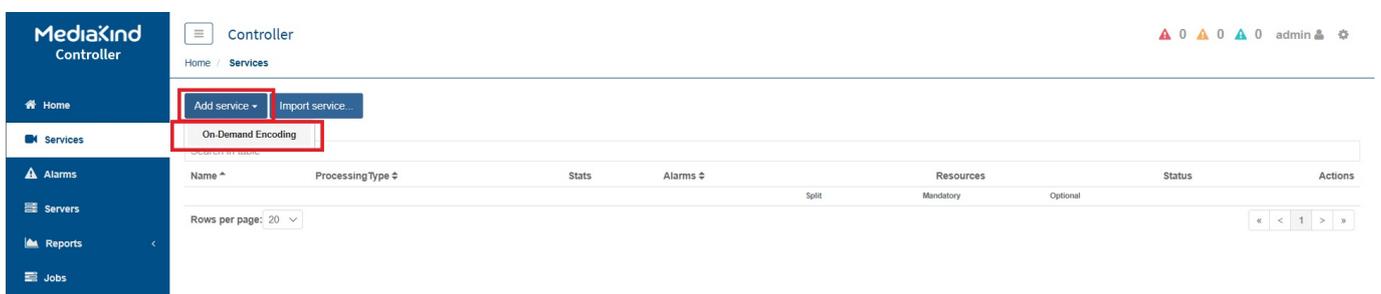
1. Service Configuration. A service configuration holds all of the video processing settings. So for instance a service called '4\_Profile\_ABR' would be configured to take an input and create four Video and an audio for use in ABR output. The output location would be specified along with a manifest. However this service configuration knows nothing about the input.
2. Jobs. Once you have created a Service, you can enter that service and create 'Jobs'. So everytime you wanted a 4 Service ABR output, you would add a new job, and define what source file you want to be encoded.

[Log in to the MKEO to see the normal Controller view.](#)



Click the Services Panel.

The Service page will now be in view.



Select 'Add Service' and then 'On-Demand Encoding'

The On-Demand Settings page will open.

MediaKind Controller

Controller

Home / Services / Add On-Demand Encoding

Name:

Input stream selection: **Encoding** Output Post processing

Video	Name	Mandatory	Closed caption	Pre-filtering	Actions
	video_1	<input checked="" type="checkbox"/>			

Audio	Name	Mandatory	Codec	Languages	PID	Channel layout	Target loudness	Actions
	audio_1	<input checked="" type="checkbox"/>	any	any	any	any	Off	

Subtitle: Name Mandatory Type Actions  
No subtitle stream currently defined. You can [create one](#).

Metadata: Name Mandatory Type Actions  
No metadata stream currently defined. You can [create one](#).

[Add audio...](#) [Add subtitle...](#) [Add metadata...](#)

[Exit](#) [Save and continue](#) [Save and exit](#)

Now edit the following settings:

**Name:** Put any name you like here, if you leave this empty a name will be generated for you.

**Input Stream Selection:** Ensure you tick all components you require (Video and Audio as a minimum generally)

Now Select the 'Encoding Tab'

For this example we will only have a single video stream.

Click the 'Edit' icon (the Pen) next to the video component.

MediaKind Controller

Controller

Home / Services / Add On-Demand Encoding

Name:

Input stream selection: Input stream selection **Encoding** Output Post processing

Video	Name	Resolution	Codec	Bit rate (kbps)	Rate control	Actions
	video_enc_1	1920x1080p	H.264 high	5000	CBR	

[Add logo...](#)

Audio	Name	Input	Codec	Bit rate (kbps)	Actions
	audio_enc_1	audio_1	AAC	48	

Subtitle: Name Input Codec Actions  
No subtitle input currently defined.

Metadata: Name Input Codec Actions  
No metadata input currently defined.

[Add video...](#) [Add audio...](#) [Add subtitle...](#) [Add metadata...](#)

[Exit](#) [Save and continue](#) [Save and exit](#)

This will display the Encoding parameters.

## Video encoding ✕

Rate control	CBR <span style="float: right;">▼</span>		
Target bit rate	5000		kbps
Resolution	720	x	576 <span style="float: right;">720x576 ▼</span>
Coding mode	Interlaced <span style="float: right;">▼</span>		
Codec	H.264 High <span style="float: right;">▼</span>		
Quality preset	High quality <span style="float: right;">▼</span>		
Stream conditioning	None <span style="float: right;">▼</span>		
Subtitle burn-in	None <span style="float: right;">▼</span>		

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Codec settings ▼

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GOP settings ▼

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Aspect ratio ▼

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Stream metadata settings ▼

Cancel Apply

Set the parameters as you wish.

Note: The **Quality Preset** has three settings, and they are:

- High Quality** - Gives the best Picture quality.
- Fast** - A trade of between Speed and Picture Quality.
- Ultra Fast** - Gives the best Speed but compromised Picture Quality.

Click **Apply** to close this page.

You will be returned to the Encoding page, select the next tab along called **Output**.

Last update:  
2023/03/09  
22:35

creating\_a\_single\_mpg4\_output [http://cameraangle.co.uk/doku.php?id=creating\\_a\\_single\\_mpg4\\_output&rev=1588082857](http://cameraangle.co.uk/doku.php?id=creating_a_single_mpg4_output&rev=1588082857)

**MediaKind Controller** Controller 0 0 0 admin

Home / Services / **Add On-Demand Encoding**

Name:

Input stream selection: **Encoding** **Output** Post processing

Video	Name	Resolution	Codec	Bit rate (kbps)	Rate control	Actions
	video_enc_1	720x576i	H.264 high	5000	CBR	

**Add logo.**

Audio	Name	Input	Codec	Bit rate (kbps)	Actions
	audio_enc_1	audio_1	AAC	48	

No subtitle input currently defined.

Subtitle	Name	Input	Codec	Actions
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No metadata input currently defined.

Metadata	Name	Input	Codec	Actions
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**Add video...** **Add audio...** **Add subtitle...** **Add metadata...**

**Exit** **Save and continue** **Save and exit**

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