Media Processing Center

Getting Started

 Issue
 01

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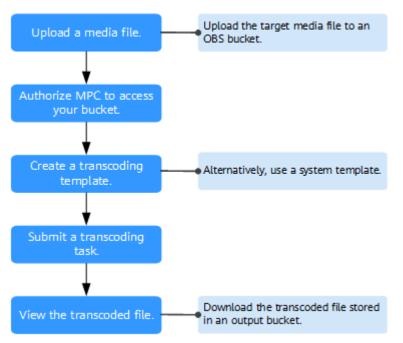
Contents

1 Creating a Transcoding Task......1

Creating a Transcoding Task

After subscribing to MPC, you can create a transcoding task to convert media files stored in an OBS bucket from one format to another or more and then save the transcoded files in an output bucket.





Restrictions

- Supported video codecs: H.264, H.265, MPEG-2, MPEG-4, MJPEG, VP6/7/8/9, WMV1/2/3, and ProRes 422
- Supported audio codecs: AAC, AC3, EAC3, HE-AAC, MP2, MP3, PCM (s161e, s16be, s241e, s24be, DVD), and WMA

If the input file is not in one of the preceding formats, transcoding will fail.

Prerequisites

- You have **registered** with Huawei Cloud.
- You have completed real-name authentication on Huawei Cloud.

NOTE

If you are a **Huawei Cloud (International)** user, you need to complete real-name authentication when you:

- Purchase and use cloud services on Huawei Cloud nodes in the Chinese mainland. In this case, real-name authentication is required by the laws and regulations of the Chinese mainland.
- Select the Chinese mainland region for MPC.

Procedure

Step 1 Subscribe to OBS and upload your media file to an OBS bucket.

- 1. Log in to the OBS console.
- 2. Click **Create Bucket** in the upper right corner. On the displayed page, configure related parameters. For details, see **Creating a Bucket**.

If you want to store the input file and output file in different buckets, create two buckets.

NOTE

When creating a bucket, select a region where MPC is used for transcoding. For example, if you use MPC in CN North-Beijing4, you need to create a bucket in CN North-Beijing4.

- 3. In the bucket list, click the name of your created bucket. The **Summary** page is displayed.
- 4. Click **Objects**. If you want to upload the input file to a folder, click **Create Folder**. Then, click **Upload Object** to upload the input file.

Objects Deleted Objects Fragments				
Objects are basic units of data storage. In OBS, files and folders an	re treated as objects. Any file type ca	n be uploaded and managed in a bu	cket. Learn more	
Upload Object Create Folder Restore	Delete Change Storage Cla	SS		
Name J≡	Storage Class ↓	Size ↓≡	Encrypted	Restoration Status
			No data available	

You can also use OBS Browser+ to upload files in batches. For details, see **Uploading an Object**.

- **Step 2** Log in to the MPC console. In the navigation pane, choose **Cloud Resource Authorization**.
- **Step 3** Click the **Bucket Authorization** tab, locate the row that contains the target bucket, and click **Authorize**.

If the input file and output file are stored in different buckets, authorize access to the two buckets.

OBS Authorization	Bucket Authorization				
Bucket Name		∇	Status	γ	Operation
mpc-1			Unauthorized		Authorize

- **Step 4** In the navigation pane, choose **Media Processing** > **Transcoding**.
- Step 5 Click Create Task. On the displayed page, specify transcoding parameters.

Step 6 Select the buckets and paths for storing the input file and output file.

* Input Bucket Select an input bucket.	Select	* Input File	Select an input file.	Select		
* Output Bucket Select an output bucket.	Select	Output Path		Select		
One-in One-out Templates One-in Mu	One-in One-out Templates One-in Multiple-out Templates Custom Templates Custom Template Groups					
Output Format: 🗿 All 🛛 HLS 🔷 I	Output Format: • All · HLS · DASH · MP4 · MP3 · ADTS · DASH+HLS					
Video Codec 🧿 All 🔷 H.264 🔷 I	Video Codec 🔹 Ali 💿 H.264 🕞 H.265					
Resolution (* Ail • Low Birate HD (* Ail •						
Output Format	Template Name	Template ID	Resolution/Bitrate (kbit/s)			
○ MP4	MP4_H.265_P4K	7000761	3840*2160/5600(4K)			
○ MP4	MP4_H.265_P2K	7000762	2560*1440/4900(2K)			
○ MP4	MP4_H.265_4K	7000605	3840*2160/5600(4K)			
○ MP4	MP4_H.265_2K	7000606	2560*1440/4900(2K)			
O HLS	HLS_H.265_P4K	7000719	3840*2160/5600(4K)			
< 1 2 3 4 5 9 >						

Step 7 Select a transcoding template.

MPC provides a wealth of one-in one-out and one-in multiple-out system templates, which are configured with common parameters such as the definition, bitrate, and resolution. You are advised to use system templates. You can choose **Global Settings** > **System Templates** to view the parameters of a system template on the MPC console.

Step 8 Click OK.

Step 9 View the transcoding task status in the task list.

ID	Status	Start/End Time	Input	Output	Operation
Task ID: 10031737 Template ID: 7000524	Completed	Start Time: 2019/12/13 14:18:38 End Time: 2019/12/13 14:19:19	Bucket Name: mpc-1 Input File Name: video.mp4	Bucket Name: mpc-1 Output Path: <u>/</u>	Delete

- If transcoding succeeds, click **Output Path** in the **Output** column to switch to the OBS console, where you can view, download, and share the transcoded audio or video file.
- If transcoding fails, view the failure cause in the **Output** column for troubleshooting.

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