

Media Processing Center

Getting Started

Issue 01
Date 2025-08-14



Copyright © Huawei Cloud Computing Technologies Co., Ltd. 2025. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Cloud Computing Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are the property of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei Cloud and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
Qianzhong Avenue
Gui'an New District
Gui Zhou 550029
People's Republic of China

Website: <https://www.huaweicloud.com/intl/en-us/>

Contents

1 Quick Start..... 1

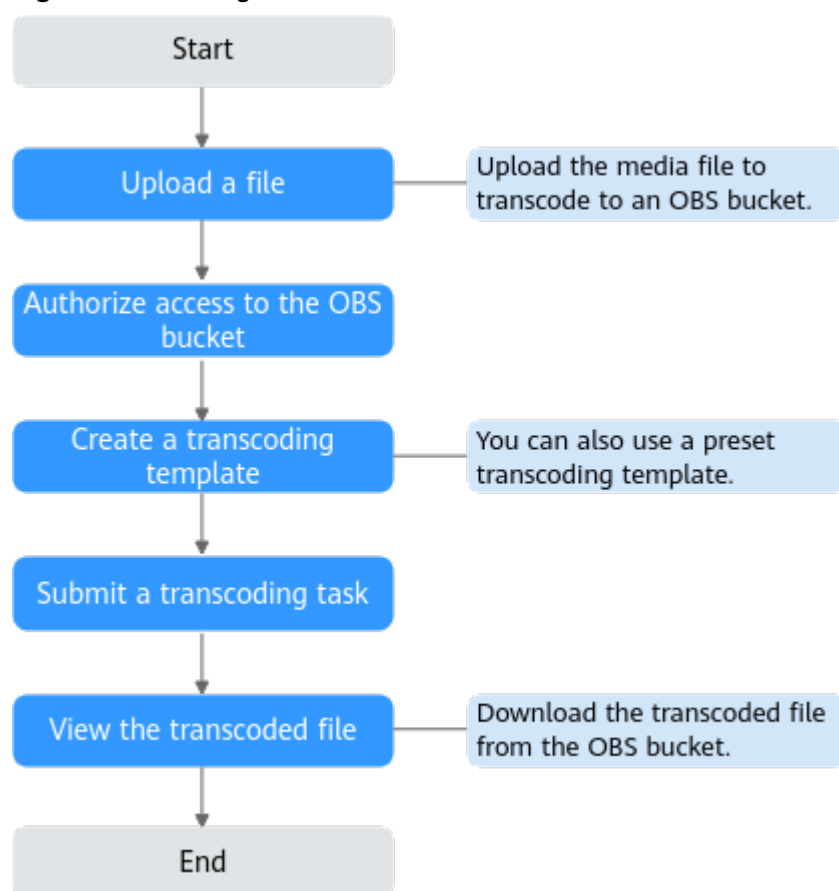
2 Creating a Transcoding Task..... 3

1 Quick Start

After enabling MPC, you can use the media transcoding function. That is, a media file stored in an OBS bucket is converted into other specifications and output to the OBS bucket.

Figure 1-1 shows the operation process.

Figure 1-1 Getting started with MPC



For details, see [Table 1-1](#).

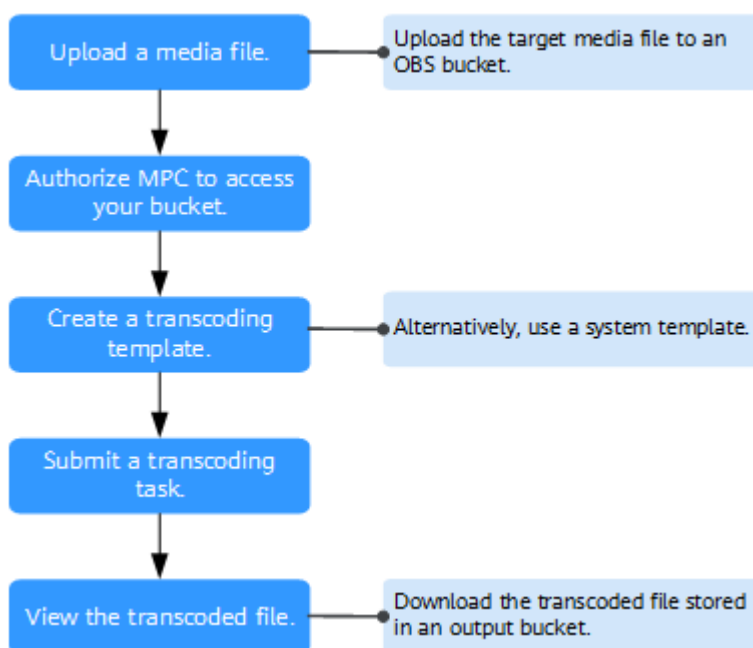
Table 1-1 Process of getting started with MPC

Step	Operation	Description
1	Upload a file	MPC does not store media files. You need to upload a video file to an OBS bucket before transcoding.
2	Authorize access to the OBS bucket	After uploading the video file to an OBS bucket, you need to authorize MPC to access the bucket and output the transcoded video file to the bucket.
3	Create a transcoding template	You can use system templates in System Templates on the console. You can also add a one-in-one-out transcoding template on the Custom Templates page, or add a one-in-multiple-out template group on the Custom Template Groups page.
4	Submit a transcoding task	You can create a video transcoding task and select a video transcoding template to transcode the video file stored in the OBS bucket.
5	View the transcoded file	You can choose Media Processing > Transcode on the console to view the transcoding task. If the transcoding succeeds, click Output Path in the Output column to switch to the OBS console, where you can view, download, and share the transcoded media file.

2 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.

Process Flow



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 (s16le, s16be, s24le, s24be, DVD), and WMA

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

Prerequisites

- You have [registered](#) a Huawei Cloud account and subscribed to Huawei Cloud services.
- You have completed [real-name authentication](#).

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.

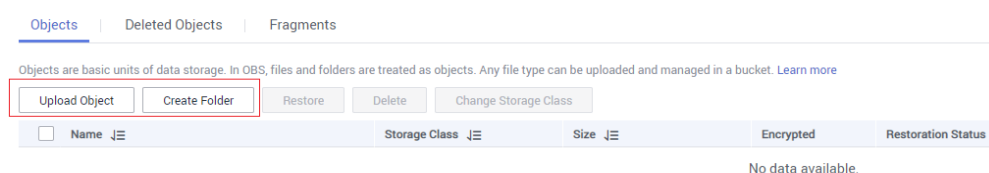
1. Log in to the OBS console.
2. Click **Create Bucket** in the upper right corner. On the displayed page, configure related parameters. For details, see [Creating a Bucket](#).

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.



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	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: Input File:

Output Bucket: Output Path:

☒ One-in One-out Templates ☐ One-in Multiple-out Templates ☐ Custom Templates ☐ Custom Template Groups

Output Format: ☒ All ☐ HLS ☐ DASH ☐ MP4 ☐ MP3 ☐ ADTS ☐ DASH+HLS

Video Codec: ☒ All ☐ H.264 ☐ H.265

Resolution: Low Bitrate HD:

Output Format	Template Name	Template ID	Resolution/Bitrate (kbit/s)
<input type="radio"/> MP4	MP4_H_265_P4K	7000761	3840*2160/5600(4K)
<input type="radio"/> MP4	MP4_H_265_P2K	7000762	2560*1440/4900(2K)
<input type="radio"/> MP4	MP4_H_265_4K	7000605	3840*2160/5600(4K)
<input type="radio"/> MP4	MP4_H_265_2K	7000606	2560*1440/4900(2K)
<input type="radio"/> 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: /	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.

----End