Media Processing Center

FAQs

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Contents

1 Product Consulting

1.1 Where Can I Use MPC?

You can use MPC in the **AP-Singapore** region.

1.2 Why Do Video Snapshot Capturing and Transcoding Fail After the Referer Whitelist Is Enabled for an OBS Bucket?

The referer whitelist function of OBS does not allow disabling **Include empty referer**. You need to enable **Include empty referer** when configuring referer validation, so that the image processing, video snapshot capturing, and audio/video transcoding functions can be used.

□ NOTE

You need to enable the referer whitelist function only for public OBS buckets.

1.3 Can I Add Background Music?

No. MPC allows you to transcode audio/video recordings stored in OBS buckets to formats supported by different players. You can also take screenshots and add watermarks, but cannot add background music.

2 Billing

2.1 How Do I Unsubscribe from MPC?

No unsubscription is required. MPC is billed on a pay-per-use basis. You pay OBS for the storage you actually use. If you do not want to retain the transcoded files, delete them from OBS to avoid storage fees.

2.2 How Is a One-In Multiple-Out Transcoding Template Billed?

Pricing is calculated based on the total duration of the output files. If you use a one-in-multiple-out transcoding template, you are billed for each individual output generated.

The unit price for each output depends on the codec, resolution, and whether low-bitrate HD is enabled. For details, see **MPC Pricing Details**.

The following examples illustrate how MPC charges for transcoded outputs.

These examples are based on pay-per-use pricing. If you have purchased a transcoding package, the total transcoding duration will be calculated and deducted from the package balance based on the corresponding rules.

Example 1

- Transcoding template: DASH_H.264_FHD_1 input and 6 outputs with Low Bitrate HD disabled

- Input video: duration: 30 minutes; resolution: 2100 x 1200.

- Output videos: Their resolutions and bitrates are 1,920 x 1,080/6,000 kbit/s, 1,920 x 1,080/3,000 kbit/s, 1,280 x 720/2,000 kbit/s, 1,280 x 720/1,000 kbit/s, 854 x 480/600 kbit/s, and 480 x 270/300 kbit/s.

- Fee calculation: For H.264 standard transcoding, SD is used as the base unit. Durations for 4K, 2K, FHD, HD, and SD are converted at a ratio of 5.31:3.98:2.65:1.32:1. For example, 1 minute of FHD transcoding is equivalent to 2.65 minutes of SD transcoding.

The output videos generated from the one-in-multiple-out template are billed based on their individual specifications.

– The output videos whose resolutions/bitrates are 1,920 x 1,080/6,000 kbit/s and 1,920 x 1,080/3,000 kbit/s are billed based on the **H.264-FHD (1920 x 1080) or lower** specifications.

– The output videos whose resolutions/bitrates are 1,280 x 720/2,000 kbit/s and 1,280 x 720/1,000 kbit/s are billed based on the **H.264-HD (1280 x 720) or lower** specifications.

– The output videos whose resolutions/bitrates are 854 x 480/600 kbit/s and 480 x 270/300 kbit/s are billed based on the **H.264-SD (640 x 480) or lower** specifications.

Transcoding fee = Converted output duration x SD transcoding unit price = (30 x 2 x 2.65 + 30 x 2 x 1.32 + 30 x 2) x 0.0094 = $2.8031 USD

Example 2

- Transcoding template: DASH_H.265_FHD_1 input and 6 outputs with Low Bitrate HD enabled

- Input video: duration: 30 minutes; resolution: 2100 x 1200

- Output videos: Their resolutions and bitrates are 1,920 x 1,080/4,200 kbit/s, 1,920 x 1,080/2,100 kbit/s, 1,280 x 720/1,400 kbit/s, 1,280 x 720/700 kbit/s, 854 x 480/500 kbit/s, and 480 x 270/200 kbit/s.

- Fee calculation: For H.265 low-bitrate HD transcoding, SD is used as the base unit. Durations for 4K, 2K, FHD, HD, and SD are converted at a ratio of 5.33:3.99:2.66:1.33:1. For example, 1 minute of FHD transcoding is equivalent to 2.66 minutes of SD transcoding.

The output videos generated from the one-in-multiple-out template are billed based on their individual specifications.

– The output videos whose resolutions/bitrates are 1,920 x 1,080/4,200 kbit/s and 1,920 x 1,080/2,100 kbit/s are billed based on the **H.265-Low Bitrate HD-FHD (1920 x 1080) or lower** specifications.

– The output videos whose resolutions/bitrates are 1,280 x 720/1,400 kbit/s and 1,280 x 720/700 kbit/s are billed based on the **H.265-Low Bitrate HD-HD (1280 x 720) or lower** specifications.

– The output videos whose resolutions/bitrates are 854 x 480/500 kbit/s and 480 x 270/200 kbit/s are billed based on the **H.265-Low Bitrate HD-SD (640 x 480) or lower** specifications.

Transcoding fee = Converted output duration x SD transcoding unit price. That is, (30 x 2 x 2.66 + 30 x 2 x 1.33 + 30 x 2) x 0.1407 = $42.1256 USD.

Example 3

- Transcoding template: DASH_H.265_FHD_1 input and 6 outputs with Low Bitrate HD and image enhancement enabled

- Input video: duration: 30 minutes; resolution: 2100 x 1200

- Output videos: Their resolutions and bitrates are 1,920 x 1,080/4,200 kbit/s, 1,920 x 1,080/2,100 kbit/s, 1,280 x 720/1,400 kbit/s, 1,280 x 720/700 kbit/s, 854 x 480/500 kbit/s, and 480 x 270/200 kbit/s.

- Fee calculation: For H.265 low-bitrate HD transcoding, SD is used as the base unit. Durations for 4K, 2K, FHD, HD, and SD are converted at a ratio of 5.33:3.99:2.66:1.33:1. For example, 1 minute of FHD transcoding is equivalent to 2.66 minutes of SD transcoding.

  The output videos generated from the one-in-multiple-out template are billed based on their individual specifications.

  - The output videos whose resolutions/bitrates are 1,920 x 1,080/4,200 kbit/s and 1,920 x 1,080/2,100 kbit/s are billed based on the **H.265-Low Bitrate HD-FHD (1920 x 1080) or lower** specifications.

  - The output videos whose resolutions/bitrates are 1,280 x 720/1,400 kbit/s and 1,280 x 720/700 kbit/s are billed based on the **H.265-Low Bitrate HD-HD (1280 x 720) or lower** specifications.

  - The output videos whose resolutions/bitrates are 854 x 480/500 kbit/s and 480 x 270/200 kbit/s are billed based on the **H.265-Low Bitrate HD-SD (640 x 480) or lower** specifications.

As both Low Bitrate HD and image enhancement are enabled in this example, the total fee is twice that in example 2.

Transcoding fee = Converted output duration x SD transcoding unit price. That is, (30 x 2 x 2.66 + 30 x 2 x 1.33 + 30 x 2) x 2 x 0.1407 = $84.2512 USD.

2.3 Is Adding Watermarks Charged?

Yes. Watermarks can only be compressed to videos through transcoding. Therefore, adding watermarks will generate transcoding fees. For details, see **MPC Pricing Details**.

3 **Upload**

3.1 What Can I Do If I Can't See a Bucket During Cloud Resource Authorization?

The list of buckets in your region is supposed to be displayed on the **Cloud Resource Authorization** page. If you do not see any buckets in list, perform the following steps to locate the fault.

Step 1 Check whether your desired bucket is in the region where you use MPC to transcode media files.

1. Log in to the **MPC console** and check the MPC region.

Figure 3-1 MPC region
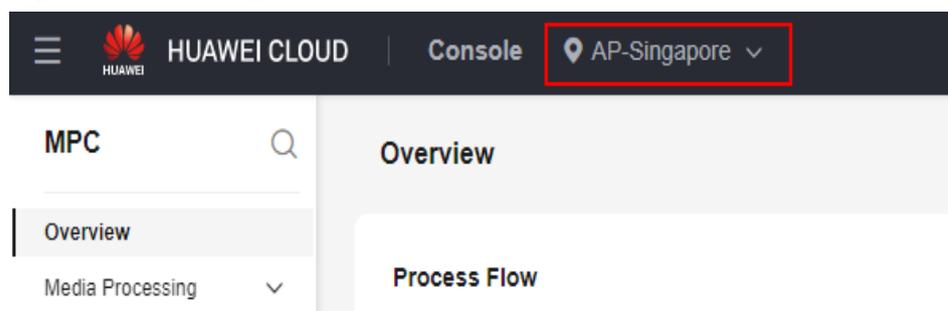
2. Switch to the **OBS console** and check the region of your desired bucket.

3. Check whether the two regions are consistent.

   If they are different, change the MPC region to the region of your desired bucket or **create a bucket** in the MPC region.

Step 2 Log in to the **OBS console** and check whether there are buckets in the MPC region.

- If there are no buckets, **create one**. Then you will see the bucket on the **Cloud Resource Authorization** page.

- If there are buckets but they are not in the MPC region, contact **submit a service ticket**.

----End

3.2 What Can I Do If the Video Storage Bucket and MPC Are Not in the Same Region?

Handle the problem as follows:

1. Switch the MPC region to the region where the OBS bucket is located, and then transcode the videos. MPC supports a limited number of regions. If MPC is not available in the region where the OBS bucket is located, go to **2**.

2. Use cross-region replication of OBS to replicate video files to an OBS bucket in the MPC region, and then transcode the videos. For details, see **Cross-Region Replication**.

3.3 Why Can't I Access OBS Data+ by Authorizing MPC to Access Cloud Resources?

OBS Data+ is the subject and calls the MPC service. Before accessing an OBS bucket through the MPC service, you need to authorize MPC to access the OBS bucket. For details, see **Authorizing Access to Cloud Resources**.

4 Transcoding

4.1 What Transcoding Formats Does MPC Support?

Table 4-1 lists the transcoding formats supported by MPC.

Table 4-1 Supported transcoding formats

Item	Parameter	Description
File format	Input file format	MP4, TS, MOV, FLV, MPG, MXF, WMV, ADTS, AVI, MKV, MPEG, GIF, and WAV
	Output file format	DASH, HLS, and MP4
Video codec	Input file codec	H.264, H.265, MPEG-2, MPEG-4, MJPEG, VP6/7/8/9, WMV1/2/3, and ProRes 422
	Output file codec	H.264 and H.265
Video resolution	Common video resolutions	4096 x 2160, 3840 x 2160, 2560 x 1600, 2048 x 1536, 2560 x 1440, 2048 x 1152, 2048 x 1080, 1920 x 1080, 1440 x 1080, 1280 x 1080, 1280 x 720, 1280 x 544, 720 x 576, 854 x 480, and 720 x 480
Video bitrate	VBR (preferred)	Recommended average bitrates for different resolutions: over 80 Mbit/s for 4K (30 FPS), over 20 Mbit/s for 1080p, over 12 Mbit/s for 720p, and over 8 Mbit/s for 480p.
	CBR	Recommended average bitrates for different resolutions: over 30 Mbit/s for 1080p, over 15 Mbit/s for 720p, and over 10 Mbit/s for 480p.

Item	Parameter	Description
Video frame rate	Fixed frame rate	23.98/24, 25, and 29.97/30. The frame rate cannot be changed and must be greater than 5 FPS.
Other video requirements	Adaptive I-frame	It is recommended that the maximum I-frame interval be less than 10 seconds. Fixed I-frame intervals are supported.
	B-frame	It is recommended that there are fewer than six consecutive B-frames.
	Reference frames	It is recommended that there are fewer than five reference frames.
	Interleaving coding	You are advised to provide progressive source video. Only 2:3 pull-down is supported.
Audio	Input audio codec	AAC, AC3, EAC3, HE-AAC, MP2, MP3, PCM (s161e, s16be, s241e, s24be, DVD), and WMA
	Output audio file format	MP3, MP4, and ADTS
	Audio sampling rate	22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz, or 96 kHz
	Audio channel	• 5.1 surround sound, stereo, and mono are supported for mono audio track. • Mono is supported for multiple audio tracks.
Subtitling	Subtitling	Embedded subtitles and independent subtitles (SRT)

4.2 What Can I Do If Transcoding Fails?

If the transcoding fails, an error message is displayed. You can rectify the fault based on the error message. **Table 4-2** describes the common error messages and solutions.

Table 4-2 Common errors

Error Message	Cause	Solution
System error. Contact technical support.	System fault	**submit a service ticket**.
Failed to obtain the input file. Check the path.	Failed to obtain the input file.	Check whether the input file path is correct.

Error Message	Cause	Solution
The input file does not exist.	The input file does not exist.	Check whether the input file exists.
Failed to obtain the subtitle file.	Failed to obtain the subtitle file during transcoding.	• Check whether the subtitle format meets the requirements (SRT). • Check whether the subtitle path is correct. • Check whether the subtitle file exists.
Failed to open the input file.	The frame rate of the input video is incorrect.	Check whether the frame rate of the input file is one of them: 23.98/24, 25, and 29.97/30. The variable frame rate is not supported.
The file format is not supported.	The file format is not supported.	Check whether the input file format is one of them: MP4, TS, MOV, FLV, MPG, MXF, WMV, ADTS, AVI, MKV, MPEG, GIF, and WAV.
The user resource exceeds the retention period and the service is unavailable.	OBS is suspended due to arrears.	Log in to Huawei Cloud **Billing Center** and top up your account.
Failed to obtain media files in an OBS bucket.	KMS encryption has been enabled for the OBS bucket.	Log in to the **OBS console**, find the OBS bucket in the bucket list, click the bucket name, and disable server-side encryption in the **Overview** > **Basic Configurations** area.
The template is invalid.	The audio bitrate is too low.	Check whether the audio bitrate meets the requirement. The audio bitrate ranges from 8 to 1000 kbit/s.

4.3 Can a Transcoding Task Have Multiple Outputs?

Yes. A video file can be transcoded into multiple resolutions and bitrates to ensure optimal playback across various devices and network conditions.

Compared with one-in one-out transcoding, one-in multiple-out transcoding can improve transcoding efficiency. The reasons are as follows:

• Only one task needs to be created, reducing manual configuration time and minimizing queuing delays for multiple transcoding tasks.

- Source file reading, analysis, and segmenting are completed in a single pass.
- The source file is decoded only once for all outputs, drastically cutting down on total decoding time.
- Key encoding information can be reused during the generation of multiple outputs, further accelerating the encoding process.

4.4 What Are the Functions of System Transcoding Templates?

MPC provides a wide range of built-in transcoding templates that cover all supported output formats, including various resolutions and coding standards. Using these preset templates not only improves efficiency but also minimizes the risk of task failures caused by manual configuration errors. You can view these templates on the MPC console by navigating to **Global Settings** > **System Templates**.

4.5 How Do I Download Output Videos?

Procedure

1. Log in to the **MPC console**.
2. In the navigation pane, choose **Media Processing** > **Transcoding**.
3. Locate the target transcoding task and click the output path in the **Output** column to switch to the OBS console.

Figure 4-1 Transcoding task list

4. Locate the transcoded file and click **Download** in the **Operation** column.

4.6 What Are the Differences Between DASH, HLS, and MP4 Videos?

Videos in different formats are packaged using different standards. Their playback experience and traffic usage are different as well. **Table 4-3** lists the differences.

Table 4-3 Playback experience description

Video Format	Playback Experience	Traffic Usage
DASH	- Videos are segmented and played by segment. Video starts quickly with less freezing. - If you drag the time axis to any time point, the corresponding segment can be quickly located and played.	Traffic usage is low.
HLS	Similar to DASH	The overall traffic usage is low because only the segment is downloaded if you want to play a single segment. If a video is at a low bitrate, traffic usage is relatively high due to high packaging costs.
MP4	- The header file is large, and data is cached during download. As a result, video starts slowly. - If you drag the time axis to any time point, it takes some time to cache. - Most browser clients can play MP4 videos.	Traffic usage is high. If you drag the time axis to a time point, the entire header file still needs to be downloaded, which consumes a large amount of traffic. You are advised to use this format for short-form videos.

4.7 How Do I Share Transcoded Videos?

A transcoded video is stored in the specified OBS path. You can log in to the **OBS console** to view and share the file. For details about how to share a file, **Sharing a File**.

You can also perform the following operations to view the transcoded video on the MPC console and switch to the OBS console:

Step 1 Log in to the **MPC console**.

Step 2 In the navigation pane, choose **Media Processing** > **Transcoding**.

Step 3 Locate the target transcoding task and click the output path in the **Output** column to go to the OBS path.

Figure 4-2 Transcoding task list

Step 4 Locate the video file to be shared and click **Share** in the **Operation** column. In the displayed **Share File** dialog box, click **Copy Link** to share the link to other users.

For details about how to set the validity period of a sharing URL, see **Sharing a File**.

----End

4.8 How Do I Determine Whether Source Videos Can Be Transcoded to SD, HD, and UHD Videos?

Transcoding low-resolution videos to high-resolution ones does not improve viewing experience. You are advised to choose a transcoding template with a resolution close to the source video.

- UHD: 1080 x 1920

- HD: 720 x 1280

- SD: 480 x 854/480 x 720

- LD: 270 x 480/270 x 406

4.9 Why Is There Only Audio But No Image After Video Transcoding?

This issue typically arises when the applied transcoding template specifies an audio-only output format or has the **Audio only** option enabled.

You can log in to the **MPC console** and perform the following operations:

- Choose **Media Processing** > **Transcoding**. In the task list, check whether the transcoding template is an audio-only template.

- Choose **Global Settings** and check whether **Audio only** is enabled in the transcoding template.

If the cause is neither of the previous two, **submit a service ticket** for technical support.

4.10 Why Can't I Find My OBS Bucket When Creating a Transcoding Task?

The possible causes are:

- You have not created an OBS bucket in the MPC region.

  a. Log in to the **MPC console** and check the MPC region.

  Figure 4-3 MPC region
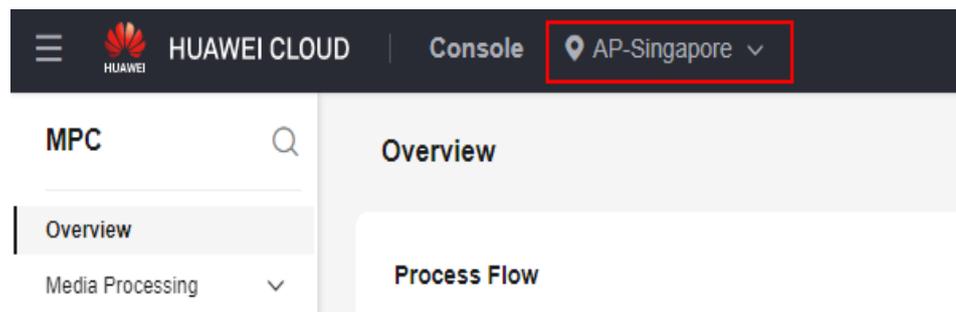
  b. Log in to the **OBS console**. In the bucket list, check for OBS buckets in the MPC region.

  c. If buckets are available, check the next possible cause. If no buckets are available, **create one** in the MPC region and then save audio and video files to be transcoded in this bucket.

- Your OBS bucket is not authorized.

  a. Log in to the **MPC console**.

  b. In the navigation pane, choose **Cloud Resource Authorization**.

  c. Click the **Bucket Authorization** tab.

  d. Select the input and output buckets and click **Authorize**.

  Figure 4-4 Cloud resource authorization
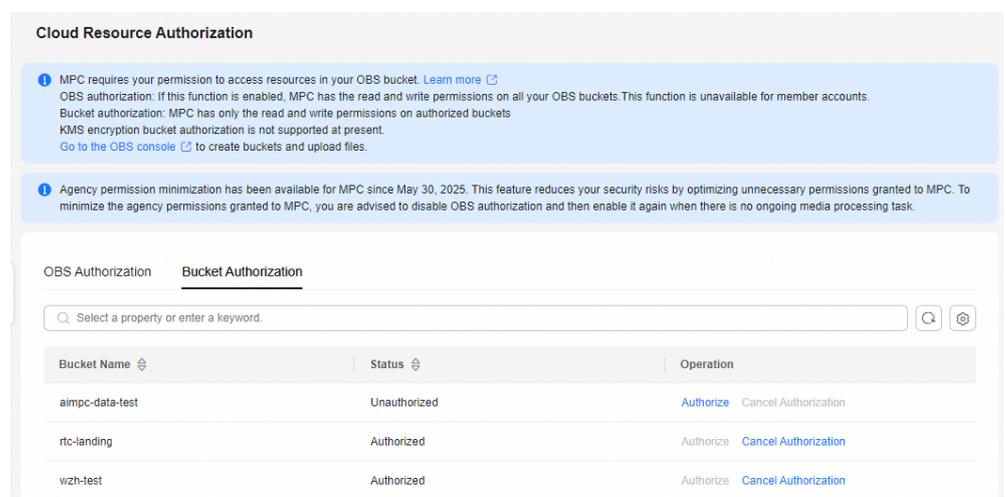
If the fault persists, **submit a service ticket** for technical support.

4.11 How Do I Overwrite the Input Video File with the Output Video File?

This operation is not supported on the MPC console. You can achieve this by calling APIs.

Step 1 Upload an input video file to OBS and record the bucket name, file path, and file name. For details, see **Uploading Media Files**.

Step 2 Call the API for **creating a transcoding task**. Set the value of **output** to that of **input** and **output_filenames** to the input file name.

Step 3 Call the API for **querying transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path.

----End

4.12 How Long Does a Transcoding Task Take?

Transcoding duration is influenced by multiple factors. In addition to the input file's duration, resolution, and bitrate, as well as the selected transcoding template and policy, it is also affected by the overall real-time workload on the network.

If a high volume of tasks triggers auto-scaling, completion times cannot be controlled as tasks are queued and handled in the order of submission.

4.13 How Do I Configure Transcoding Event Notifications?

To keep track of the status of a transcoding task, you can configure event notifications before submitting a transcoding task. For details, see **Configuring Event Notifications**.

4.14 Can a Low-resolution Video Be Transcoded to a High-resolution One?

Yes. You can call the API for **creating a transcoding task** and set **upsample** to **1** to transcode a low-resolution video to a high-resolution one.

4.15 Can I Set the Same Bucket Name and Path for Both Input and Output Buckets During Transcoding?

Yes. The name of the transcoded file is specified by MPC.

4.16 Why Does the Transcoding Task ID Suddenly Change from a Large Number to a Small One?

The task ID returned after you **create a transcoding task** starts from 1 and increases to 2146483647. Once this maximum limit is reached, the ID resets to 1 and begins a new cycle. Consequently, you may notice the ID value drop from a very large number back to a small one.Please rest assured that a single cycle typically takes several years to complete, so this reset will not affect your service operations.

5 Notifications

5.1 How do I Configure Message Topics and Event Notifications?

Simple Message Notification (SMN) is an application service provided by . MPC leverages SMN to deliver event notifications. Supported events include **Transcoding completed**, **Transcoding started**, **Snapshot captured**, **Packaging completed**, and **GIF created**. Notifications can be delivered in template-based or JSON messages. For details, see **Configuring Event Notifications**.

5.2 Why Didn't I Receive Notifications on a Completed Transcoding Task After Configuring Event Notifications on the MPC Console?

The possible cause is that you did not configure a topic policy when **configuring event notifications**. For details, see **Configuring Event Notifications**. On the **Configure Topic Policy** page, select **MPC** for **Services that can publish messages to this topic**.

6 Packaging/GIF Converting

6.1 What Are the Supported Input and Output Formats for Packaging?

- Supported input formats: MP4, FLV, and TS
- Supported output formats: HLS and MP4

6.2 What Are the Supported Input Formats for GIF Converting?

Supported input formats: MP4, TS, MOV, FLV, MPG, MXF, WMV, ADTS, AVI, MKV, MPEG, and WAV

6.3 Why Can't I Package an MP3 File into an MP4 One?

Currently, only MP3 files whose sampling rate is greater than 8000 Hz can be packaged into MP4 files.

7 Snapshot Capturing

Video websites have diverse requirements on video snapshots, including video thumbnails, drag and view, review, posters, and still images. MPC supports synchronous and asynchronous snapshot capturing, as well as snapshot capturing at a specified time point and at a fixed interval, allowing you to quickly set up a media processing platform for your video website. For example, during video playback, you can hover the pointer over the progress bar and drag it to go to the specified position on the preview image.

For details, see **Snapshot Capturing Facilitates the Setup of Media Processing Platform for Your Video Website**.

7.1 How Do I Capture Snapshots of Videos?

You can capture snapshots of videos by sampling interval and save them as image files by calling APIs or the transcoding SDK.

For details, see **Snapshot Capturing Facilitates the Setup of Media Processing Platform for Your Video Website**.

API Calling

MPC allows you to capture snapshots from source videos directly or during transcoding.

Solution 1: Capturing snapshots during transcoding

Step 1 Upload a source video to OBS.

For details, see **Uploading Media Files**.

Step 2 Call the API for **creating a transcoding task**. Configure **input**, **output**, **IDtrans_template_id**, and **thumbnail** to start transcoding.

Step 3 Call the API for **querying transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path.

----End

Solution 2: Capturing snapshots from a source video directly

Step 1 Upload a source video to OBS.

For details, see **Uploading Media Files**.

Step 2 Call the API for **creating a snapshot task** and configure input and output parameters to capture snapshots.

Step 3 Call the API for **querying snapshot tasks**. If the task is successful, log in to the **OBS console** to download the output file based on its path.

----End

SDK Calling

You can capture snapshots from source videos directly or during transcoding.

Solution 1: Capturing snapshots during transcoding

Step 1 Upload a source video to OBS. For details, see **Uploading Media Files**.

Step 2 **Create a transcoding task** and configure snapshot parameters.

Step 3 **Query the transcoding task**. If the transcoding is successful, log in to the **OBS console** and download snapshots based on the path. For details, see **Downloading an Object**.

----End

Solution 2: Capturing snapshots from a source video directly

Step 1 Upload a source video to OBS. For details, see **Uploading Media Files**.

Step 2 **Create a snapshot task** and configure output and snapshot parameters.

Step 3 **Query the snapshot task**. If the task is successful, log in to the **OBS console** and download snapshots based on the path. For details, see **Downloading an Object**.

----End

7.2 What Can I Do If Snapshot Capturing Fails?

Table 7-1 lists the common errors and causes for failed snapshot tasks. For other errors, **submit a service ticket**.

Table 7-1 Error codes

Error Code	Error Message	Cause
MPC.10061	Capturing snapshots at non-fixed intervals is not supported. Change the interval to a fixed interval.	Snapshots cannot be taken at a non-fixed interval.

Error Code	Error Message	Cause
MPC.10062	The video codec is incorrect in the snapshot scenario.	The encoding format of the input video is not supported. Supported encoding formats are MPEG-2, H.264, H.265, and Prores422.
MPC.10063	The video format is incorrect in the snapshot scenario.	The packaging format of the input video is not supported. Supported packaging formats are MP4, MPG, MOV, MXF, FLV, and MPEG-TS.

8 Video Watermarking

8.1 How Do I Add an Image Watermark to a Video?

An image watermark is an image (usually a logo or nickname) laid out on your video to increase brand awareness and protect your video. You can call APIs or the transcoding SDK to watermark your video.

API Calling

Step 1 Upload an image and source video to OBS and record the image address, including the bucket name, bucket region, and image path. For details, see **Uploading Media Files**.

Step 2 Call the API for **creating a watermark template**. Record the watermark template ID.

Step 3 Call the API for **creating a transcoding task**. Configure **input**, **output**, and **watermarks**.

Step 4 Call the API for **querying transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path.

----End

SDK Calling

Step 1 Upload an image and source video to OBS and record the image address, including the bucket name, bucket region, and image path. For details, see **Uploading Media Files**.

Step 2 **Create a watermark template** and record the watermark template ID.

Step 3 Set input and output parameters (input and output buckets, region, and input and output file paths) and watermark parameters (image address and template information) when **creating a transcoding task** and start transcoding.

Step 4 **Query transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path. For details, see **Downloading an Object**.

----End

8.2 How Do I Add a Text Watermark to a Video?

To add a text watermark to a video:

Step 1 Upload a source video to OBS and record its bucket name and path. For details, see **Uploading Media Files**.

Step 2 Call the API for **creating a transcoding task**. Configure **input**, **output**, **text_context**, and **text_watermark**. The **text_context** value must be encoded using BASE64.

Step 3 Call the API for **querying transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path.

----End

8.3 Are Text Watermarks Supported in Watermark Templates?

No. Watermark templates only support image watermarks.

8.4 Can I Add an Invisible Watermark to a Video?

No. Adding invisible watermarks to videos is not supported.

9 API and SDK Usage

9.1 Can I Submit Transcoding Tasks in Batches?

You can create transcoding tasks individually on the MPC console or using APIs. Batch submission is not supported. You can develop this function in your application system.

9.2 How Long Does a Task Take from Submission to Execution?

If few tasks are submitted, the tasks are executed immediately. If a large number of tasks are submitted simultaneously, some tasks line up.

9.3 Failed to Transcode MP3 Files and A Message Is Displayed Indicating that the Source Width and Height Are Incorrect

It is possible that a watermark is set in your transcoding template. Delete the watermark and perform transcoding again. For details about how to delete a watermark, see **Deleting a Watermark Template**.

9.4 Why Is "The token must be updated" Returned When I Call an API?

It is possible that:

- The token you obtained has expired. The validity period of a token is 24 hours.

- Your account was in arrears. After your account is topped up, the token is not obtained again.

If this message is displayed, you need to obtain a new token from IAM. For details, see **Obtaining a User Token**.

9.5 Why Is a Message Displayed Indicating that the Token Is Invalid When I Call an API?

The possible cause is that the **scope** parameter of the token was set to **domain** when you **obtain a user token**. The token is used for global-level services, but MPC is a project-level service. Therefore, you need to set **scope** to **project**.

9.6 What Can I Do If an Error Message Is Displayed Indicating that the Input or Output OBS Path Is Invalid When I Use the SDK or API?

It is possible that the region where the OBS bucket is located is different from the region where the token is obtained. MPC does not support cross-region transcoding. You need to set the region where the OBS bucket is located to the region where the token is obtained.

9.7 Does MPC Support Video Rotation?

Yes. You can call the API or transcoding SDK to configure video control parameters during transcoding to rotate your video.

API Calling

Step 1 Upload a source video to OBS. For details, see **Uploading Media Files**.

Step 2 Call the API for **creating a transcoding task**. Configure **input**, **output**, **IDtrans_template_id**, and **video_process** to start transcoding.

Step 3 Call the API for **querying transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path.

----End

SDK Calling

Step 1 Upload a source video to OBS. For details, see **Uploading Media Files**.

Step 2 Configure video control parameters when **creating a transcoding task** and start transcoding.

Step 3 **Query transcoding tasks**. If the transcoding is successful, log in to the **OBS console** to download the output file based on its path. For details, see **Downloading an Object**.

----End

9.8 How Do I Call a Transcoding API to Specify an Output File Name?

You can call the API for **creating a transcoding task**. Configure the transcoded file name parameter **output_filenames** and the packaged file name parameter **file_name**.

- **output_filenames**: indicates the name of an output file. Each output file has a name. If there are multiple output files, their names must be in sequence of the template ID array. If this parameter is configured, the output file is named after this parameter. Otherwise, the output file is named in the default format.

- **file_name**: indicates the name of a packaging output file. If this parameter is configured, the output object name is **object/**_file_name_. Otherwise, the output object name is **object/**_xxx_, where _xxx_ is specified by MPC.

9.9 Why Can't I Cancel the Authorization After the IAM User Delegates the Read and Write Permissions on OBS Buckets?

The permissions of the IAM user are not clear. As a result, the IAM user may fail to delegate the read and write permissions on OBS buckets to an MPC user.

If the permissions can be delegated but the authorization cannot be canceled, perform the following operations:

- Cancel the authorization using the Cloud account.

- Add the Security Administrator permission to the IAM user and then cancel the authorization.