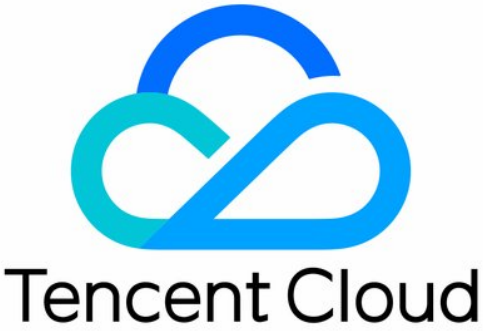
# Video on Demand

# Console Guide

# Product Documentation

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# Console Guide
# Console Overview

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To help you quickly get started with the VOD console, this document will introduce some frequently used VOD services categorized according to user needs. The VOD console includes four modules: basic services, scenario-specific services, configuration services, and data services.

## Basic Services

The basic services include application creation, enabling, disabling, and termination as well as video uploading, processing, and distribution in application among other basic VOD features. If you only want to use basic VOD services, this is the right module for you.

| Feature | Description |
| --- | --- |
| Service Overview | View the billing mode, billable bandwidth, and other information about the current account such as billing mode and billable bandwidth.<br>View storage capacity, transcoding duration, traffic usage, bandwidth usage, and data retrieval, and weekly trend information. |
| Application Management | Create, enable, disable, and terminate applications.<br>Edit the application name, description, and tags and view the application storage, transcoding, and traffic data. |
| Video Management | Upload, delete, view, edit, and filter videos, audio, and images.<br>Perform audio and video processing operations such as transcoding, adding watermarks, and video moderation. |
| Task Management | View the progress and details of VOD tasks. |
| Template Settings | Set templates for audio/video transcoding, Top Speed Codec, adaptive bitrate streaming, watermarking, screencapture, animated image generating, intelligent recognition and other audio/video processing templates.<br>Set task flow templates to process audio and videos. |
| Playback control | Get URLs for accelerated video playback.<br>Set authentication and access control for video URLs. |
| Player SDK | It supports multiple versions of players for multiple clients (iOS, web, Android).<br>It offers the player plugin in scenarios where a third-party player is used. |

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| | |
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| | It provides automatic definition switch, instant first frame broadcasting, gesture control, and many other features.<br>It supports playing back videos of multiple codecs. |

## Scenario-Specific Services

Scenario-specific services are upgraded services for VOD use cases, including cold storage, video production, media moderation, application management, and license management. If you need to use such services, you can configure in this module.

| Feature | Description |
|---|---|
| Cold Storage | Change the storage classes of media resources and use cold storage and data retrieval capabilities to reduce the storage costs.<br>Set custom rule-based policies to automatically trigger cold storage for specified media resources. |
| Audio/Video Moderation | Edit audio and videos, including setting volume, transparency, cropping, filters, text, transition effects, and subtitles among others. |
| Audio/Video Moderation | View the results of video moderation tasks to confirm whether there is inappropriate content in a video.<br>Start new recognition tasks based on the intelligent recognition results. |
| Application Management | You can create subapplications for resource isolation.<br>You can edit, disable, terminate, and enable subapplications. |
| License Management | Manage your UGSV SDK licenses. |

## Configuration Services

Configuration services are custom configuration services of VOD, including domain name management, upload and storage settings, callback settings, and player configuration. If you need to use such services, you can configure in this module.

| Feature | Description |
|---|---|
| Domain Management | You can add domain names and configure CNAME.<br>You can perform certificate management, and set hotlink protection and global CDN acceleration for existing domain names.<br>You can set default distribution domain names. |
| Upload Storage | You can manage the categories of uploaded files. |

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| | |
|---|---|
| Settings | You can enable media file storage regions and set the default storage regions for uploaded files. |
| Callback Settings | You can set the event notification method, specific events, and address to receive notifications. |
| Superplayer Configuration | You can configure adaptive bitrate streaming, image sprite, definition settings for the player. |

## Data Services

Data services are professional data statistics and data analysis services, which allow you to query usage statistics such as traffic/bandwidth, storage, transcoding, and media moderation by time granularity, the access and playback of VOD files, as well as the log download feature for data monitoring and resource management.

| Feature | Description |
|---|---|
| Usage Statistics | You can view bandwidth/traffic, storage capacity, transcoding, and media moderation usage. |
| Data Analysis | You can view access data such as total number of access requests from unique IPs, total number of requests, etc.<br>You can view playback data such as file playback statistics, top 100 videos by playback times, etc. |
| Download Log | You can download hourly CDN logs to view the detailed information on access to domain names. |

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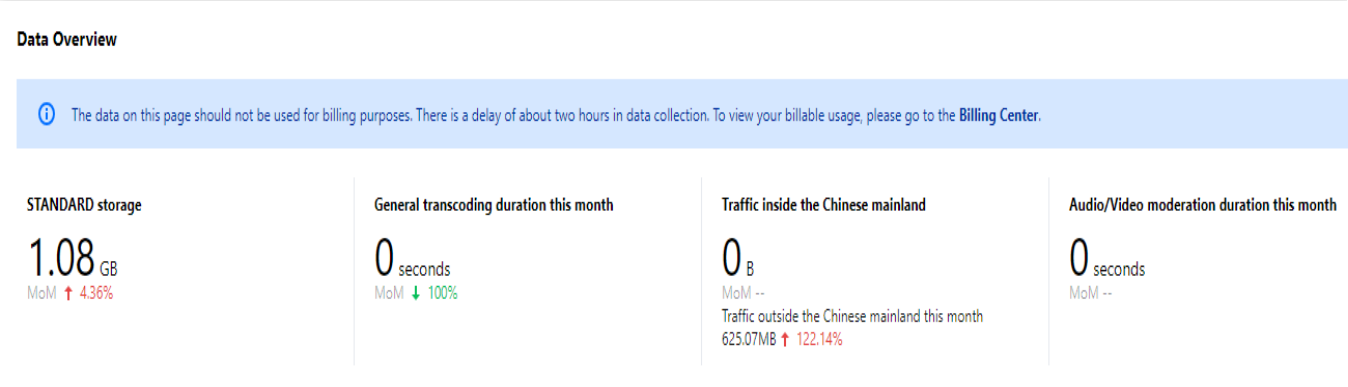
# Service Overview

Last updated：2023-08-18 09:59:44

Log in to the VOD console and the "Service Overview" page will be displayed by default. You can view the current usage of the VOD service, including **data overview, product usage guide** and **billing status.**

## Data overview

The **data overview** shows the resource usage information of the video on demand service in the current month, including **the current total storage space**, **the total transcoding time of this month**, **the total traffic volume of this month**, **the total standard retrieval amount of this month**, and **the total moderation time of this month**.




| Display item | illustrate |
| --- | --- |
| Total current storage space | The total size of the storage capacity used by you in the video on demand console on the current day. (There may be discrepancies with the billing storage, please calculate the cost according to the bill details.) |
| Total transcoding time this month | The total duration of transcoding services (General transcoding, TSC transcoding, Adaptive bitrate streaming, and video editing) you used in the video on demand console in the current month. |
| Total traffic this month | The total traffic of the acceleration service you use in the video on demand console in the current month. |
| The total amount retrieved by standard this month | The total amount of storage you used for standard data retrieval in the video on demand console in the current month. |
| Total video review time | The total duration of the video review service you used in the video on demand |

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| | |
|---|---|
| this month | console in the current month. |

**Note**

The above indicator data is automatically refreshed on a daily basis.

If the sub-account needs to view the console data overview, the main account needs to authorize the sub-account TCOP access permission policy.

# Product Guidelines

The user guide for video on demand products includes instructions for using functions such as **media intelligent management**, **media processing**, **media AI**, **media encryption and copyright protection**, **media distribution and playback,** and **live on-demand conversion**.

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## Media management

### Upload audio/video
You can upload audio/video files via the VOD console, have VOD pull files from a URL, or use our server/client upload SDK (available for different platforms).

### Upload image
You can upload images via the console, have VOD pull files from a URL, or use our server/client upload SDK (available for different platforms).

### Manage media
We offer easy-to-use management features, including categorization, labeling, timestamping, search, and storage class management.

### Cold storage
Automatically downgrades a file's storage class based on playback count, storage time, source, and category to save storage costs.

## Media processing

### General transcoding
Transcodes videos using codecs including H.264, H.265, H.266, or AV1 so that they can be played on different devices and under different network conditions.

### Top Speed Codec transcoding
Automatically selects the best encoding parameters with the help of AI to improve viewing experience and reduce bandwidth usage.

### Adaptive bitrate streaming
Generates streams with different bitrates and resolutions so playback automatically adapts to network conditions for smooth playback and lower bandwidth usage.

### Screenshots
Takes screenshots from a video. You can configure custom rules and generate image sprites for thumbnail preview.

### Animated image
Takes an animated screenshot from a video

### Editing
Splices specific segments of audio/video files; rotates/overlays/crops/splices images, adds transition effects; controls/mixes/extracts audio.

### Image processing
Crops and scales images in real time.

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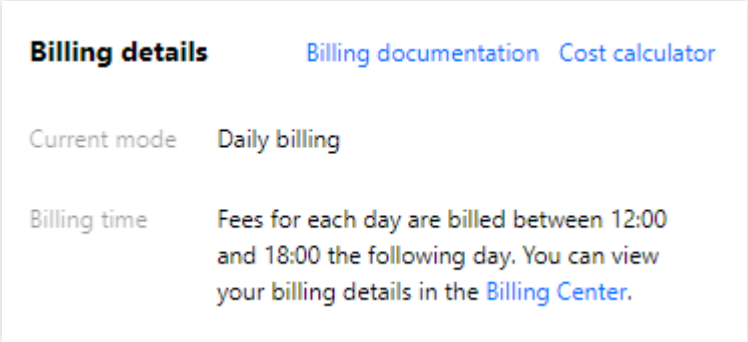
# Billing

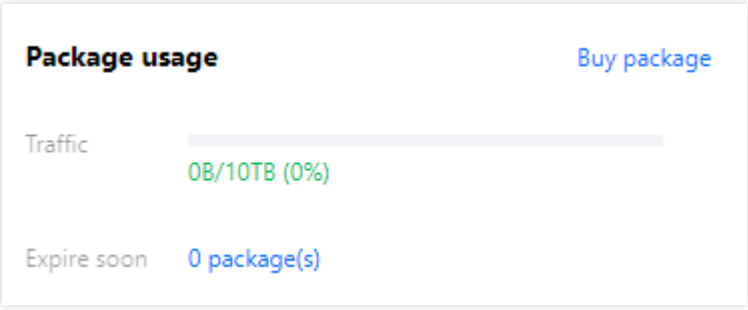
The billing status shows the **billing method** of the current cloud VOD account. When the billing method is **daily settlement billing**, the fees incurred on the previous day are settled from 12:00-18:00 every day; when the billing method is **monthly settlement billing**, the previous Billing will be made for monthly charges.




| Item | Description |
| --- | --- |
| Current billing mode | Daily billing: for more information, please seePay-as-You-Go (Postpaid Daily Billing Cycle)<br>Monthly billing: please contact your Tencent Cloud rep for billing details |
| Billable bandwidth of current month (monthly billing) | Billable bandwidth of the current month for the current account. |

# Resource Pack Status

The **resource pack status** shows the total number of resource packs in the current cloud on-demand account 7 days before the expiration date, as well as the usage progress of each resource pack.




**Note**

Account usage is preferentially deducted from resource packs. For more details, see Resource Packs.

## Common problem

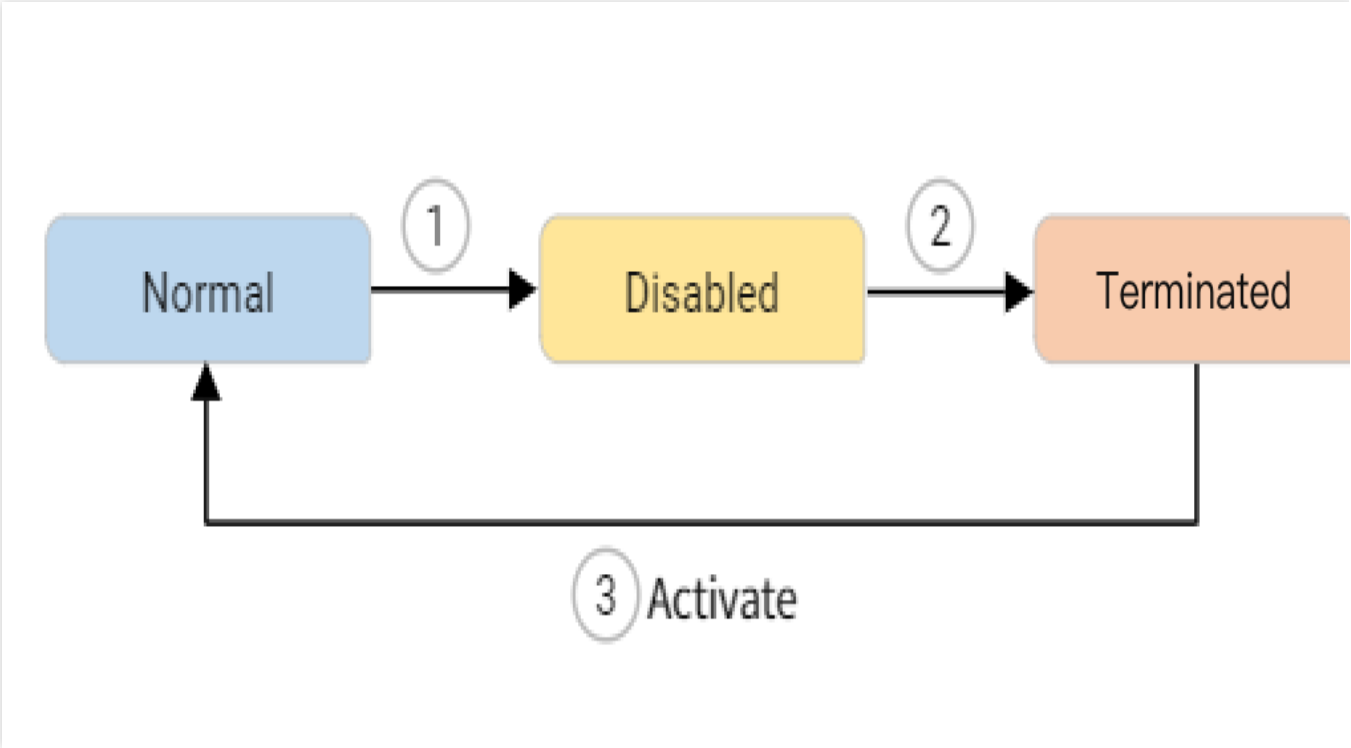
Frequently Asked Questions mainly displays frequently asked questions and answers about billing and data related by current users. You can click to view more and learn about other types of frequently asked questions.

# Application Management
# Application Management

Last updated：2022-05-26 12:00:45

## Overview

On the **Application Management** page, users can disable and terminate the resources in an application, which allows users to manage their applications more flexibly. The lifecycle phases (normal, disabled, and terminated) and descriptions of applications are detailed as below:




| Status | Meaning |
| --- | --- |
| Normal | You can change the configurations, perform video processing, media management, and other operations on applications under this status. |
| Disabled | The application is disabled. Its resources and configuration files are retained, and its resources are billed according to the corresponding billable items, but you cannot change the configurations of a disabled application and cannot use it to access the public network. |
| Terminated | For an application in this status, its resources are completely terminated, and all its resources and configuration files are cleared and cannot be recovered. This is suitable for |

| | |
|---|---|
| | service suspension. |

**Note:**

If you re-enable a terminated application, its application ID ( `appid` / `subappid` ) will not change.

It's normal that there may be delay in data reporting after application termination and will not affect the user's billing.

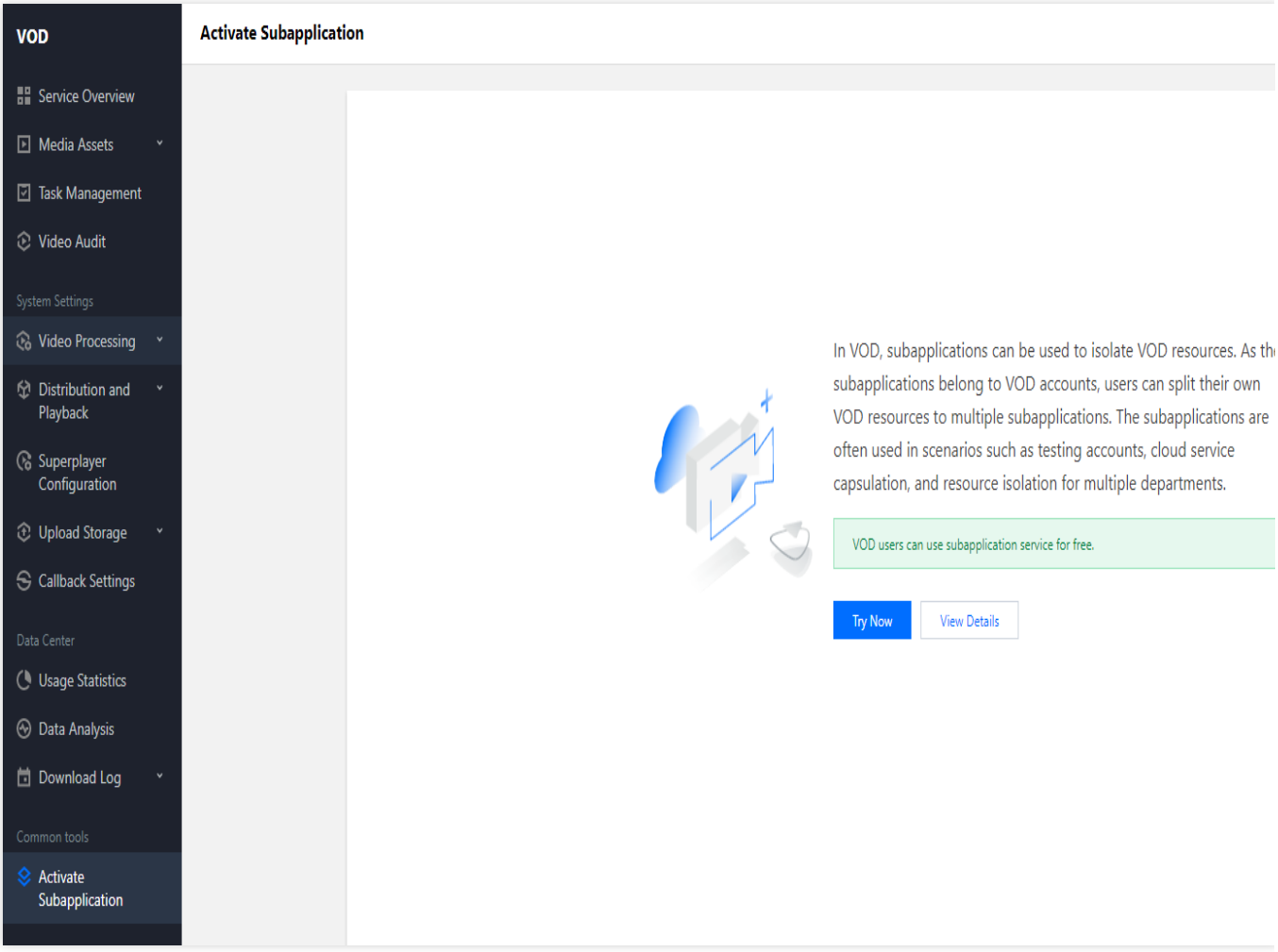
As it takes 5-10 minutes to change the status of an application, you're advised not to make frequent changes.

As resource management permissions are required for disabling, terminating, and performing other operations on applications, you're required to finish identity verification before performing such operations. After that, identity verification will not be required again within half an hour.

The operations on the **Application Management** page differ for accounts with and without subapplications enabled.

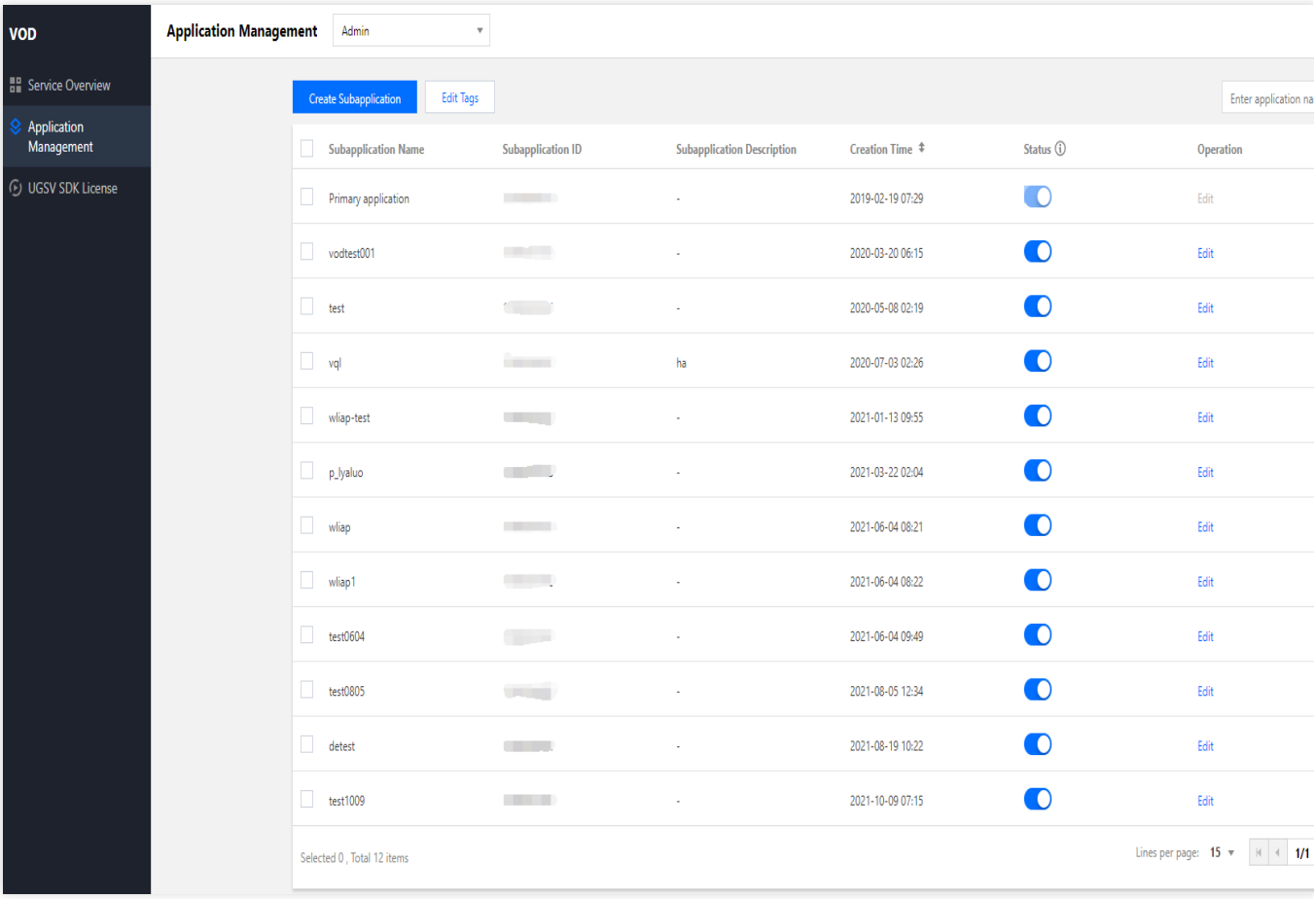
## Account without subapplications

If the account has no subapplications, go to **Common Tools** for subapplication management. You can also add subapplications to the account and view the details.



# Account with multiple subapplications

If the account has multiple subapplications, go to **Admin** > **Application Management** to manage them. You can view the status of subapplications, and you can also use the **Status** button to enable or disable a subapplication.




# Notes

1. Without subapplications enabled:

Terminating the primary application will clear all resources and configurations in the VOD account.

You can enable the application after termination. But you cannot use it if there is overdue payment. To use it, you need to top up the account.

2. With subapplications enabled:

To terminate the primary application, you must disable it and all its subapplications first.

To enable a subapplication after you terminate the primary application, you must enable the primary application first.

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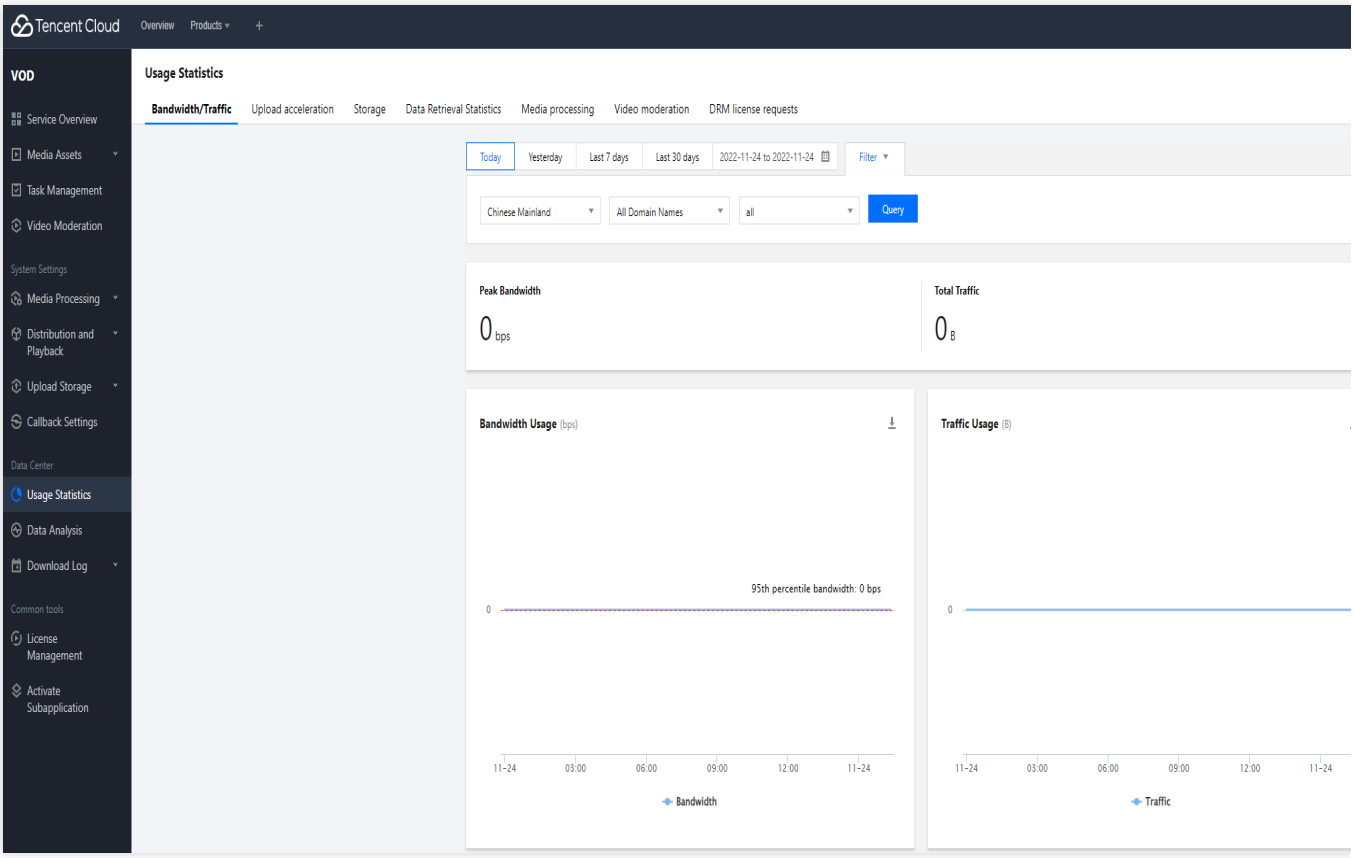
# Data Center
# Usage Statistics

Last updated：2023-07-03 14:20:00

## Directions

1. Log in to the VOD console and select **Service Overview** on the left sidebar.
2. Select the target application from the drop-down menu at the top of the page.
3. On the left sidebar, select **Data Center** > **Usage Statistics**.

The **Usage Statistics** page displays the statistics of bandwidth/traffic, upload acceleration, storage, data retrieval, media processing, video AI, and DRM license. The **Bandwidth/Traffic Statistics** tab is displayed by default.




## Bandwidth/Traffic

You can view the bandwidth/traffic statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days. You can also filter the statistics by domain name, region, and ISP.

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Your **Peak Bandwidth** and **Total Traffic** statistics are displayed at the top based on your the criteria you specified.
Your bandwidth and traffic usage statistics are displayed the on graphs.
There is a delay of about 10 minutes for bandwidth and traffic statistics.

# Upload Acceleration Statistics

You can view upload acceleration statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days.
The data overview metrics are the total QUIC-based upload acceleration traffic (B) and total HTTP-based upload acceleration traffic (B).
Upload acceleration statistics are displayed on the graphs.
There is a delay of about 1 hour in uploading acceleration statistics.

# Storage

You can view storage statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days. You can also filter the statistics by region and storage class.
Your **Total Files** and **Current Storage** are displayed at the top.
Storage statistics and early deletions are displayed on the graphs.
There is a delay of about 3 hours for the statistics.

# Data Retrieval Statistics

You can view data retrieval statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days. In addition, you can also filter the statistics by region and retrieval mode.
The statistics of your data retrievals from ARCHIVE and DEEP ARCHIVE are displayed at the top.
Data retrieval statistics are also displayed on the graphs.
There is a delay of 2 to 4 hours for the statistics.

# Media Processing

### General transcoding

You can view transcoding statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days.

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The duration (in minutes) and number of your general transcoding tasks are displayed at the top.
The graph displays the duration trends (in minutes) of all general transcoding types. You can also select a type to view its duration data.
In the **Transcoding Tasks** section, you can view the duration and number of tasks under each general transcoding type.
In the **Transcoding types used** section, you can view the percentages of different transcoding types by the number of tasks.
There is a delay of about 1 hour for general transcoding statistics.

# Top Speed Codec

You can view Top Speed Codec (TSC) statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days.
The duration (in minutes) and number of your TSC transcoding tasks are displayed at the top.
The graph displays the duration trends (in minutes) of all TSC transcoding types. You can also select a type to view its duration data.
In the **Transcoding tasks** section, you can view the duration and number of tasks under each TSC transcoding type.
In the **Transcoding types used** section, you can view the percentages of different TSC transcoding types by the number of tasks.
There is a delay of about 1 hour in the TSC transcoding statistics.

### Adaptive bitrate streaming

You can see the statistics of adaptive bitrate streaming for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days.
The duration (in minutes) and number of your adaptive bitrate streaming tasks are displayed at the top.
The graph displays the duration trends (in minutes) of all general transcoding types. You can also select a type to view its duration data.
In the the **Transcoding tasks** section, you can view the duration and number of tasks under each general transcoding type.
In **Transcoding types used** section, you can view the percentages of different general transcoding types by the number of tasks.
There is a delay of about 1 hour in converting the adaptive bitrate stream statistics.

### Video editing

You can view your video editing statistics for today, yesterday, last 7 days, last 30 days, and any custom time period in the last 30 days.
The duration (in minutes) and number of your video editing tasks are displayed at the top.

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The graph displays the duration trends (in minutes) of all types of video editing tasks. You can also select a type to view its duration data.
In the **Video editing tasks** section, you can view the duration and number of tasks under each video editing type.
In the **Video editing types used** section, you can view the percentages of different types of video editing tasks that have been used.
There is a delay of about 1 hour in video editing statistics.

### Watermark removing

You can view your watermark removal statistics for today, yesterday, last 7 days, last 30 days, and any custom time period in the last 30 days.
The duration (in minutes) and number of your watermark removal tasks are displayed at the top.
The graph displays the duration trends (in minutes) of all types of watermark removal tasks. You can also select a type to view its duration data.
In the **Watermark removing tasks** section, you can view the duration and number of tasks under each watermark removal type.
In the **Watermark removing types used** section, you can view the percentages of different types of watermark removal tasks that have been used.
There is a delay of about 1 hour in watermark removing statistics.

## Video AI

You can view your video moderation, image moderation, and content recognition statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days.
The **image moderation count** and **video moderation duration** (in minutes) are displayed at the top.
There is a delay of about 30 minutes for the statistics.

## DRM License Request

You can view DRM license request statistics for today, yesterday, last 7 days, last 30 days, and any custom time period within the last 30 days.
The **number of DRM license requests** is displayed at the top.
The **DRM license requests details** are displayed on the graphs, which record the trends of the number and duration of DRM license requests.

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# Data Analysis

Last updated：2022-03-24 15:23:14

In the VOD console, select **Data Center** > **Data Analysis** where **IP Visit** (displayed by default), **Playback**, and **Traffic Usage** tabs can be viewed.

## IP Visit

The time dimensions of access statistics include today, yesterday, the last 7 days, the last 30 days, and any custom time period within the last 30 days. In addition to the time dimensions, you can also filter the access statistics by domain name, region, and ISP.
The data overview metrics are total requests and total access requests from unique IPs for the specified time period.
Total access requests from unique IPs: This counts the IPs of accessing clients in the log in a deduplicated manner: if the time range is less than or equal to one day, a deduplicated IP curve at a 5-minute granularity will be provided. The domain name statistics are counted by deduplicating the daily active quantity in the full day. If there are multiple domain names, the statistics will be counted by accumulating the daily active quantity of every domain name at a 5-minute granularity.
Total requests: the total number of requests to the domain name in the specified time period.
The requests, access requests from unique IPs, requests by ISP, and top 10 districts for requests are graphically displayed.
There is a delay of around 10 minutes for access statistics.

## Playback

The playback statistics page displays **file playback statistics query**, **top 100 videos (playback)**, and **top 100 videos (traffic)**.
File playback statistic query: enter a video FileId generated by VOD and click "Query" to get the number and traffic of playbacks of the video. You can query the data today, yesterday, in the last 7 days, in the last 30 days, and in any time period within the last 30 days. There is a delay of around three hours for file playback statistics.
Top 100 videos (playback): this is the statistics of the top 100 videos in terms of playbacks counted by VOD in the specified time period. You can query the data yesterday and in any time period within the last 30 days. The top 100 videos (playback) yesterday can be queried at 11:00 today.
Top 100 videos (traffic): this is the statistics of the top 100 videos in terms of traffic counted by VOD in the specified time period. You can query the data yesterday and in any time period within the last 30 days. The top 100 videos (traffic) yesterday can be queried at 11:00 today.

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# Traffic Usage

You can view  traffic usage of **Today**, **Yesterday**, **Last 7 days**, **Last 30 days** or select a query period within last 30 days. Moreover, you can also use filters such as domain names, regions and ISPs.
You can also view graphs of ISP Comparison by Traffic Usage (B) and Top 10 Districts by Traffic Usage (B)

# Playback quality monitoring

Last updated：2024-10-09 17:09:16

VOD provides end-to-end playback statistics, quality monitoring, and data visualization capabilities. It supports real-time data reporting, data aggregation, multi-dimensional filtering, and detailed, targeted analysis, helping enterprises monitor their overall operational status and understand user habits and behaviors so as to make informed business decisions and achieve continuous growth.

## Use Limits

The Playback Quality Monitoring feature is only available when the Tencent VOD Player SDK is used for playback. VOD cannot collect playback statistics from other SDKs.
The Playback Quality Monitoring feature only works on Tencent VOD resources, that is, videos identified by Tencent VOD file IDs. For other video sources, VOD cannot recognize the corresponding Tencent Cloud user and therefore does not support playback quality monitoring based on file URLs.
**Note:**
For the web, the version of the Tencent VOD Player SDK (TCPlayer) must be 4.4.0 or later. On mobile, the Tencent VOD Player SDK version must be 9.5.29006 or later. The UGSV SDK and all-in-one SDK will also support playback data collection starting from version 9.6. Please check back later.

## Editions

VOD Playback Quality Monitoring is available in Basic and Advanced editions. Their differences are listed in the table below:

| Edition | Data Storage Time | Fees |
| --- | --- | --- |
| Basic Edition | 3 days | Free |
| Advanced Edition | 1 year | No charge during the trial period. For more details, please see VOD Playback Quality Monitoring Billing. |

## Activating the service

### Step 1. Activate the Basic edition

1. Log in to the VOD console, click **Application Management** on the left sidebar to enter the application list page.

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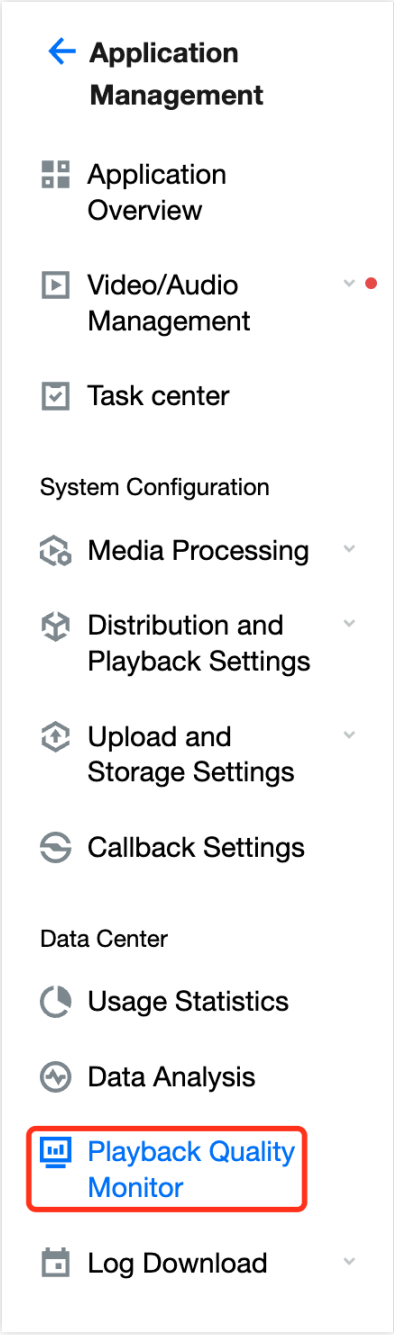
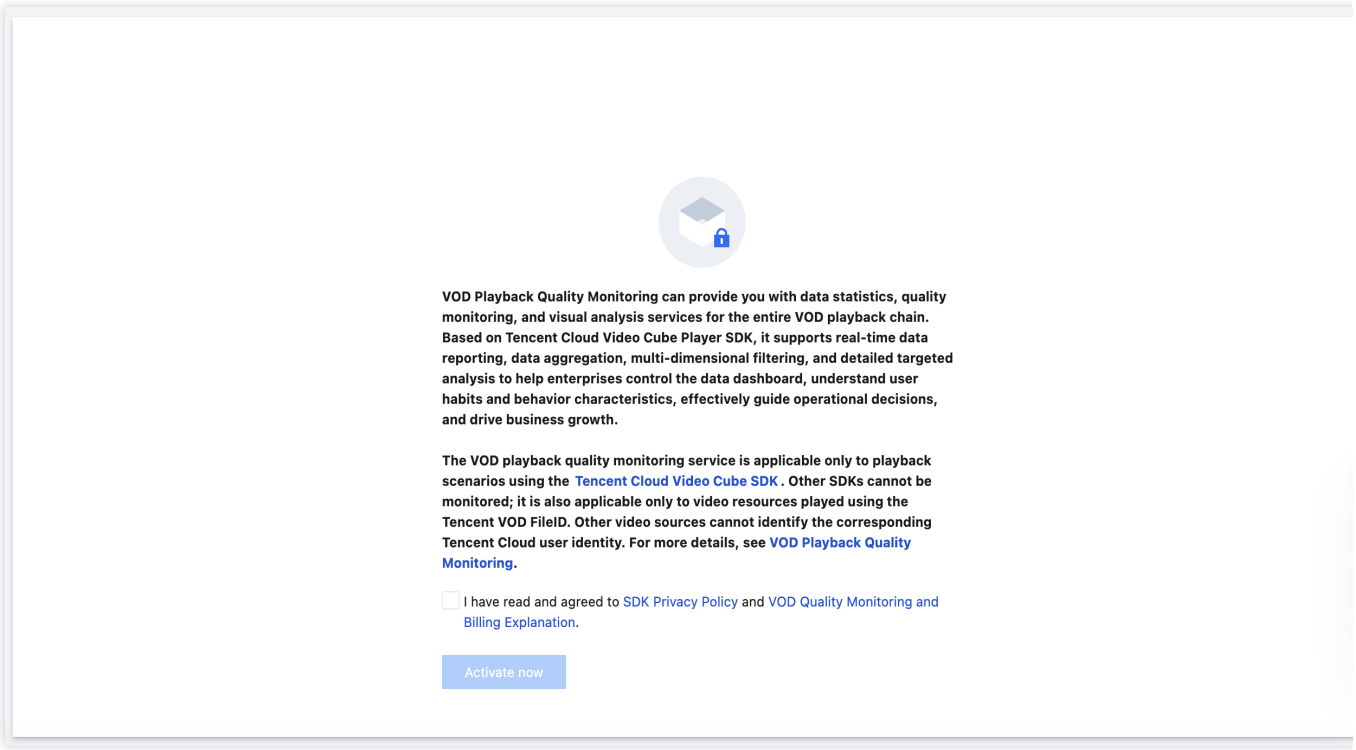
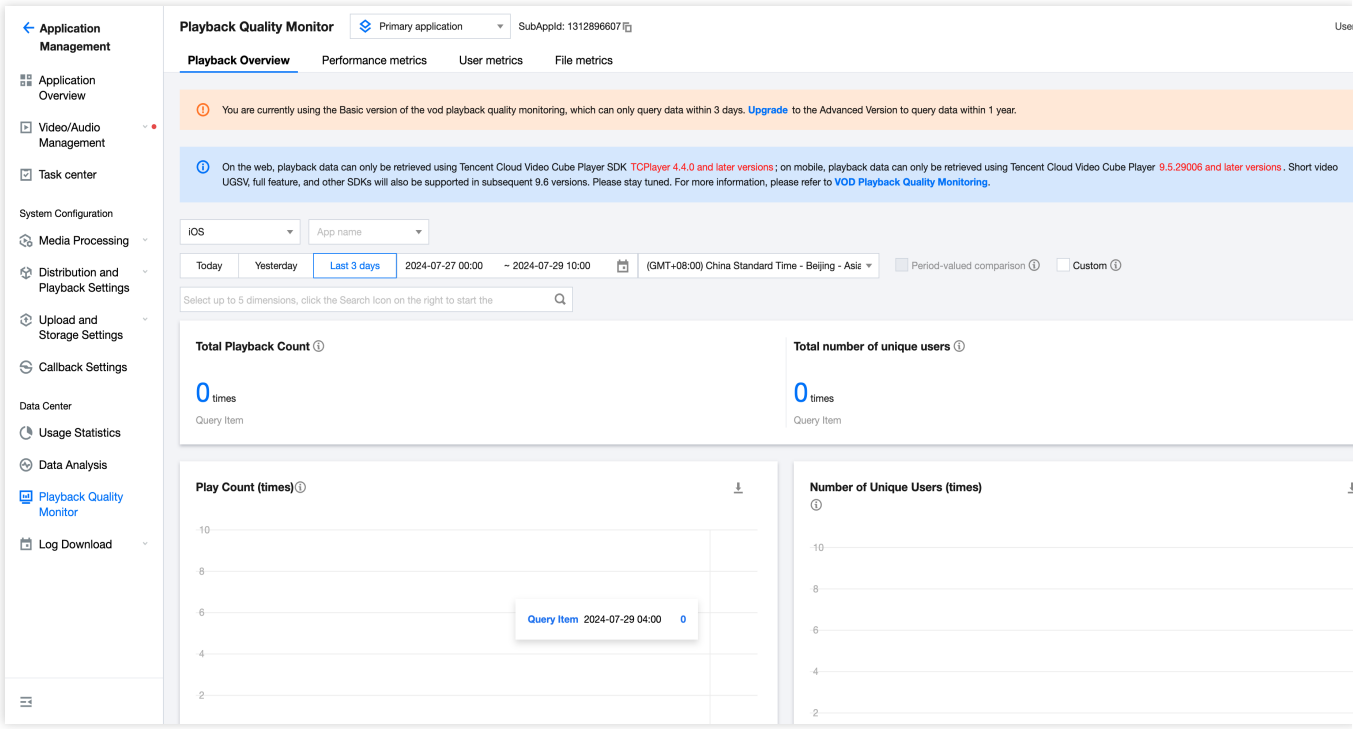
2. Find the application for which you want to check playback quality, click the application name to enter the application management page.
3. In the left sidebar, select **Data Center** > **Playback Quality Monitor**.




4. Read the note and select “I have read and agreed to SDK Privacy Policy and VOD Quality Monitoring and Billing Explanation”.

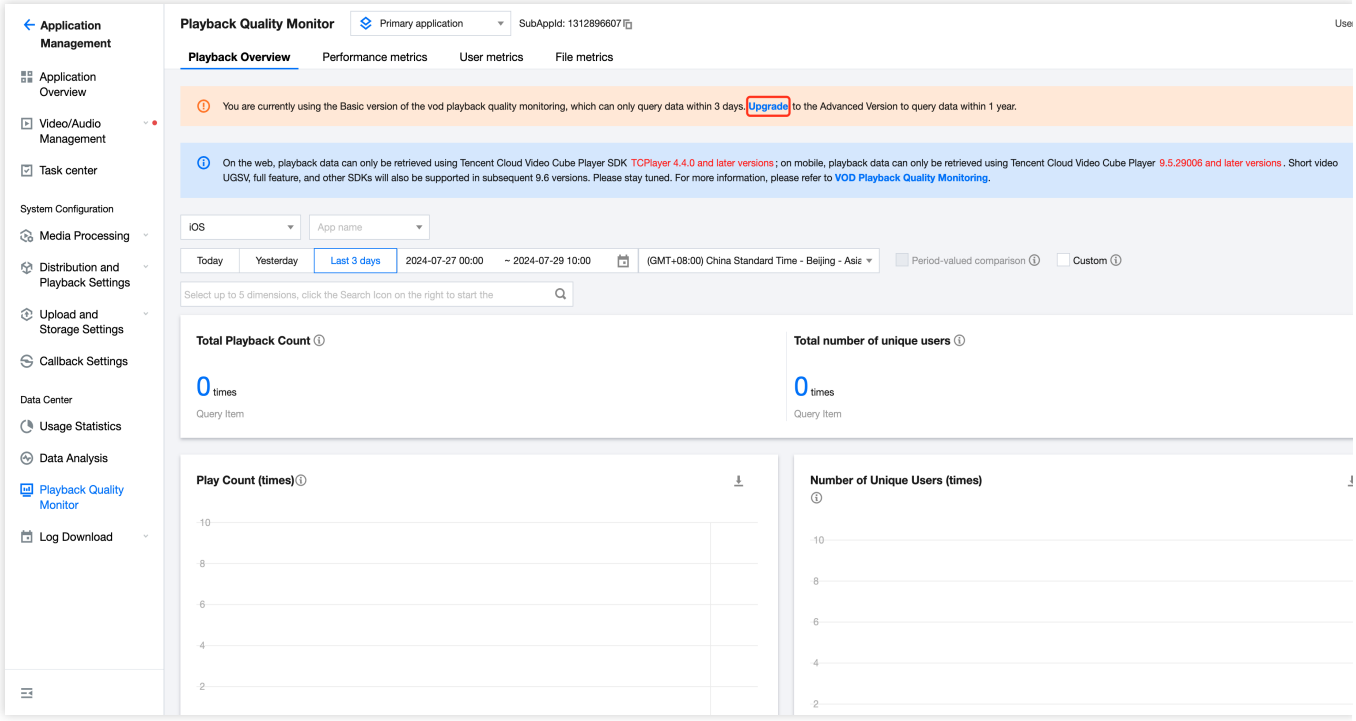



5. Click **Activate Now**. By default, the Basic edition is activated. To upgrade to the Advanced Edition, see Step 2.

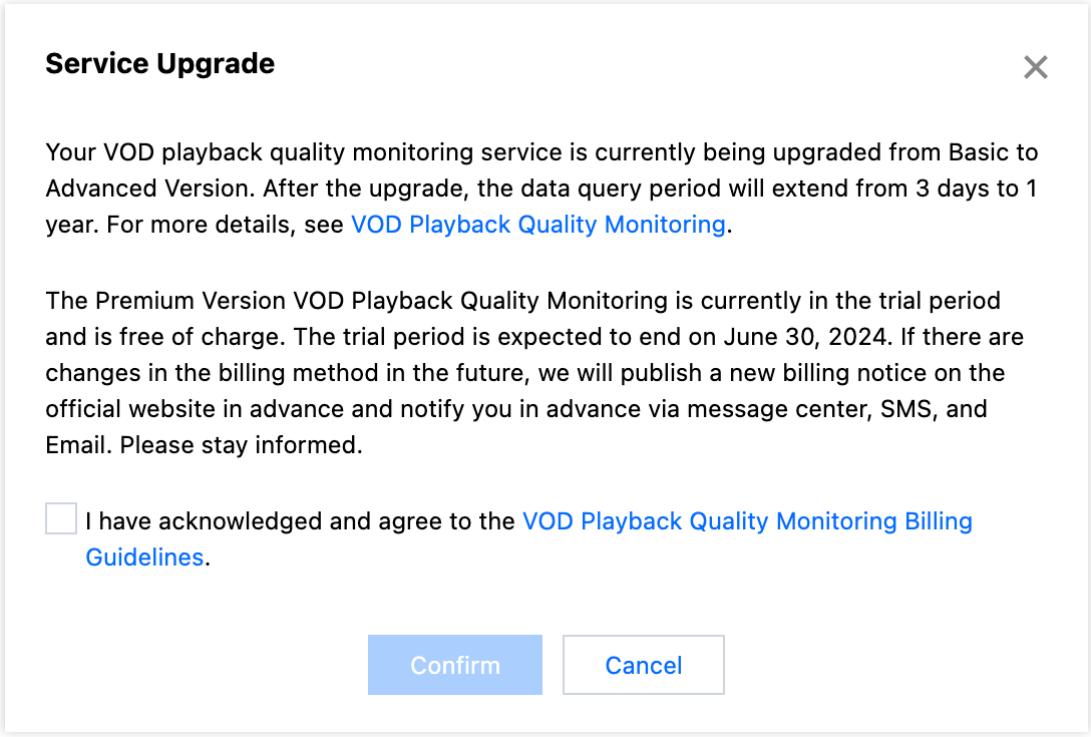



## Step 2. Upgrade from Basic to Advanced Edition

1. In the orange instruction box, click **Upgrade** to open the Service Upgrade dialog box.




2. Read the note and select “I have acknowledged and agree to the VOD Playback Quality Monitoring Billing Guidelines”.




3. Click **Confirm** to upgrade from Basic to Advanced Edition.

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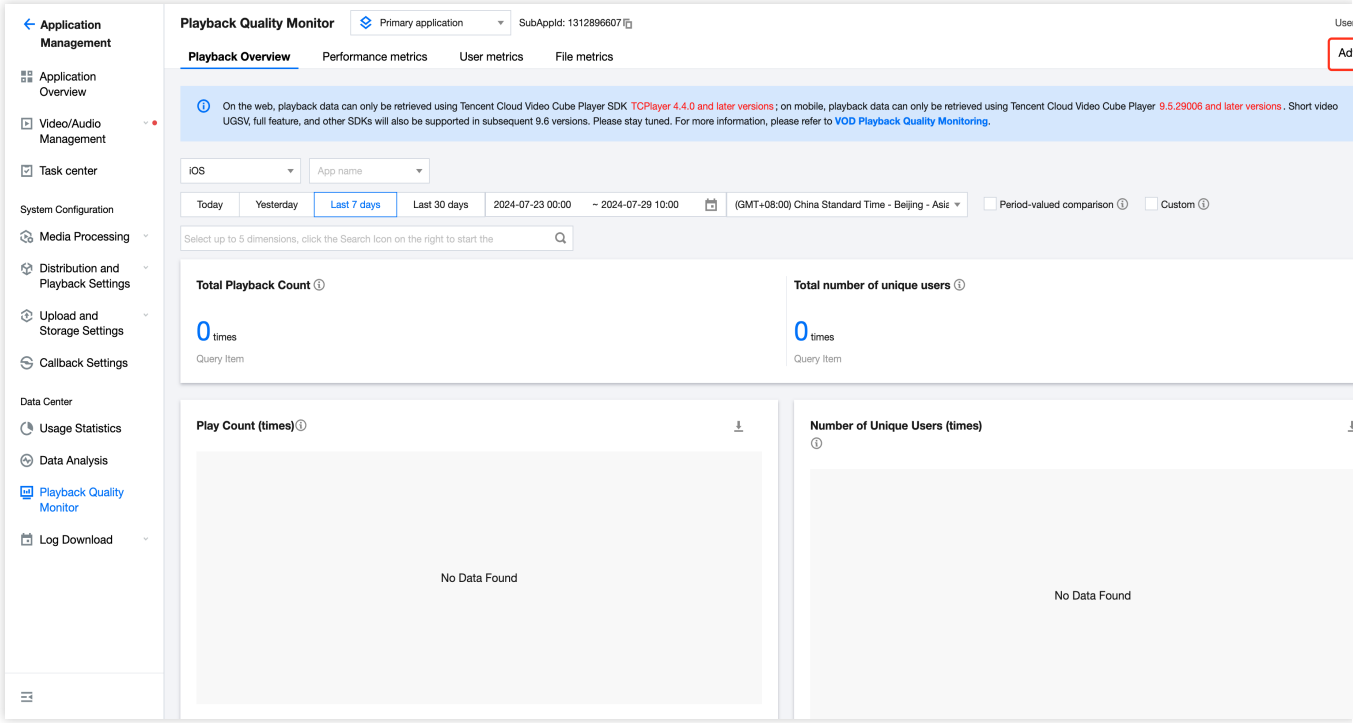


**Note:**

The Advanced Edition is currently in the trial period and no fees will be charged. The trial period is expected to end on June 30, 2025. We will publish the new billing instructions on our website and notify you via Message Center, SMS, Email, etc. in advance.

To learn about the data under different tabs, see Metrics. For information on the data query features, see Query Features.

# Metrics

## Playback Overview

The Playback Overview tab provides data on the total playback count and user number.

| Metric | Description |
| --- | --- |
| Total playback count | Total number of plays.<br>The calculation is based on playback requests. If a video is paused and resumed, it is only played once. |
| Total number of unique users | Total User Count.<br>On mobile, unique users are counted based on device ID, while on web, unique users are counted based on Account ID. |

### Performance metrics

Performance metrics help you understand the current SDK service quality.

| Metric | Description |
| --- | --- |
| Average First Frame Duration | Average First Frame Duration is the sum of all first frame durations divided by the number of plays. First Frame Duration refers to the time from when the user initiates the play request to the completion of the first frame playback. |
| Average Stalling Frequency | Average Stalling Frequency is the sum of all playback stutter rates divided by the number of plays. Playback stutter rate refers to the ratio of the sum of stuttering durations during a single play to the total playback duration.<br>Stuttering is when playback freezes (loading). Video loading caused by progress bar dragging is not considered stuttering. |
| Playback Failure Rate | Proportion of playback failures to total playbacks.<br>Playback failures are the number of playback requests for which an error code is returned. |

### User Metrics

User metrics provide insights into user behavior characteristics and viewing habits.

| Metric | Description |
| --- | --- |
| Average Viewing Duration | Average video viewing duration per person, which is Total Playback Duration / Total Unique Users. |
| Average Playback Count per User | Average Number of Playback Requests per Person, which is Total Playback Count / Total Unique Users. |
| Top 100 Videos by Play Count | The top 100 video files by playback count. Information including the ranking of a file, file ID, playback count, average playback duration per person, and average playback count per person is provided. |

### File Metrics

File metrics allow you to view the playback status of a single file by specifying the VOD file ID.

| Metric | Description |
| --- | --- |
| Basic File Information | Video ID, Video Name, Video Duration, Average Playback Duration, Total Playback Count. |
| Play Count | Total number of plays for the current file. |
| Average Playback | Average play duration of the current file, which is the total play duration of the file |

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| | |
|---|---|
| Duration | divided by the number of plays. |
| Playback Count Ranking | Ranking of the current file by the number of plays among all played files. |

# Query Features

VOD Playback Quality Monitoring supports basic filters, data comparison, and advanced filters.

### Basic Filters

| Feature | Description |
|---|---|
| Platform | (Required) The platform, which can be iOS, Android, or web. |
| Application | The app name, which uniquely identifies an application.<br>This is required if the platform selected is iOS or Android. If the platform is web, you don't need to specify an app name. |
| Query Time | (Required) The time period for which data is queried. You can use preset time periods or manually select a start and end time. |

**Note:**
The minimum granularity for query time in Playback Overview, Performance Metrics, and User Metrics is 5 minutes. The minimum granularity for query time in File Metrics is 1 day. The duration for a single query cannot exceed 90 days.

### Data Comparison

The Data Comparison feature allows you to compare data from different time periods. Two options are offered: period-valued comparison and custom comparison, which can be selected at the same time.

| Option | Description |
|---|---|
| Period-valued comparison | Compare to the last period |
| Custom | Specify a time period to compare |

**Note:**
The duration of the time periods compared is the query time selected. When you select a custom start time, the end time will be automatically calculated based on the selected query time.
For example, if the selected query time is from 2021-07-08 12:00 to 2021-07-14 14:00, then the duration is 6 days and 2 hours.

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For period-valued comparison, the compared period will be from 2021-07-02 09:55 to 2021-07-08 11:55. For custom comparison, if the specified custom start time is 2021-06-01 01:00, then the end time will be 2021-06-07 03:00.

### Advanced filters

Advanced filters allow you to view data from more dimensions so as to analyze the impact of specific factors on playback.

| Option | Description |
| --- | --- |
| Domain name | The domain used for video playback. |
| Region | The region where the request for video playback originates. |
| Telecommunications | The telecommunications used for video playback. |
| Network environment | The network environment used for playback. This is only supported for iOS and Android platforms. |
| SDK Version | The version of the Tencent VOD Player SDK used. |
| Video Resolution | The video resolution used for video playback, 360/540/720/1080px, 2/4/8k, unknown. |
| APP Version | The APP version used for video playback. |

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# Downloading Logs

Last updated：2025-05-06 14:54:16

You can download a CDN access log for the last 30 days, which contains the details of every request made to VOD. Logs are recorded hourly.

## Downloading Logs

1. Log in to the VOD console and click **Download Log** > **CDN Log** on the left sidebar.
2. Select a time range and domain name to get the download link.

**Note:**
If a domain receives no requests in a day, no logs will be generated, and no data will be displayed.
By default, CDN access is logged on an hourly basis. That means 24 log files will be generated at most for a day. No log file will be generated for an hour during which there are no requests.
CDN logs may have a delay of about 30 minutes.

## Log Fields

Decompress the package downloaded and open the log files with Notepad. Different fields are separated by space. Below is part of a log file.

| Sequence | Field Meaning |
| --- | --- |
| 1 | Request time |
| 2 | IP address of the client accessing the domain |
| 3 | Accessed domain name |
| 4 | File request path |
| 5 | Number of bytes of this access request |
| 6 | Province. For more information, see province mapping below. |

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| | |
|---|---|
| 7 | ISP. For more information, see ISP mapping below. |
| 8 | HTTP status code |
| 9 | Referer information |
| 10 | Response time in milliseconds |
| 11 | User-Agent information |
| 12 | Range parameter |
| 13 | HTTP method |
| 14 | Protocol identifier |
| 15 | Cache hit/miss |
| 16 | The port via which connection is established between the client and CDN node. If there isn't such a port, the value of this field is -. |

## Region/ISP mappings

### Chinese mainland provinces

| Region ID | Region | Region ID | Region | Region ID | Region |
|---|---|---|---|---|---|
| 22 | Beijing | 86 | Inner Mongolia | 146 | Shanxi |
| 1069 | Hebei | 1177 | Tianjin | 119 | Ningxia |
| 152 | Shaanxi | 1208 | Gansu | 1467 | Qinghai |
| 1468 | Xinjiang | 145 | Heilongjiang | 1445 | Jilin |
| 1464 | Liaoning | 2 | Fujian | 120 | Jiangsu |
| 121 | Anhui | 122 | Shandong | 1050 | Shanghai |
| 1442 | Zhejiang | 182 | Henan | 1135 | Hubei |
| 1465 | Jiangxi | 1466 | Hunan | 118 | Guizhou |
| 153 | Yunnan | 1051 | Chongqing | 1068 | Sichuan |
| 1155 | Xizang | 4 | Guangdong | 173 | Guangxi |

| | | | | | |
|---|---|---|---|---|---|
| 1441 | Hainan | 0 | Other | 1 | Hong Kong (China), Macao (China), and Taiwan (China) |
| -1 | Outside the Chinese mainland | | | | |

**Chinese mainland ISPs**

| ISP ID | ISP | ISP ID | ISP | ISP ID | ISP |
|---|---|---|---|---|---|
| 2 | China Telecom | 26 | China Unicom | 38 | CERNET |

**Regions outside the Chinese mainland**

| Region ID | Region | Region ID | Region | Region ID | Region |
|---|---|---|---|---|---|
| 2000000001 | Asia Pacific Zone 1 (service area) | 765 | Slovakia | 1617 | Ivory Coast |
| 2000000002 | Asia Pacific Zone 2 (service area) | 766 | Serbia | 1620 | Sudan |
| 2000000003 | Asia Pacific Zone 3 (service area) | 770 | Finland | 1681 | Mauritius |
| 2000000004 | Middle East (service area) | 773 | Belgium | 1693 | Morocco |
| 2000000005 | North America (service area) | 809 | Bulgaria | 1695 | Algeria |
| 2000000006 | Europe (service area) | 811 | Slovenia | 1698 | Guinea |
| 2000000007 | South America (service area) | 812 | Moldova | 1730 | Senegal |
| 2000000008 | Africa (service area) | 813 | Macedonia | 1864 | Tunisia |
| -20 | Asia (client area) | 824 | Estonia | 1909 | Uruguay |
| -21 | South America (client area) | 835 | Croatia | 1916 | Greenland |
| -22 | North America (client area) | 837 | Poland | 2026 | Taiwan (China) |

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| | | | | | |
|---|---|---|---|---|---|
| -23 | Europe (client area) | 852 | Latvia | 2083 | Myanmar |
| -24 | Africa (client area) | 857 | Jordan | 2087 | Brunei |
| -25 | Oceania (client area) | 884 | Kyrgyzstan | 2094 | Sri Lanka |
| 35 | Nepal | 896 | Ireland | 2150 | Panama |
| 57 | Thailand | 901 | Libya | 2175 | Colombia |
| 144 | Vietnam | 904 | Armenia | 2273 | Monaco |
| 192 | France | 921 | Yemen | 2343 | Andorra |
| 207 | United Kingdom | 971 | Luxembourg | 2421 | Turkmenistan |
| 208 | Sweden | 1036 | New Zealand | 2435 | Laos |
| 209 | Germany | 1044 | Japan | 2488 | East Timor |
| 213 | Italy | 1066 | Pakistan | 2490 | Tonga |
| 214 | Spain | 1070 | Malta | 2588 | Philippines |
| 386 | United Arab Emirates | 1091 | Bahamas | 2609 | Venezuela |
| 391 | Israel | 1129 | Argentina | 2612 | Bolivia |
| 397 | Ukraine | 1134 | Bangladesh | 2613 | Brazil |
| 417 | Kazakhstan | 1158 | Cambodia | 2623 | Costa Rica |
| 428 | Portugal | 1159 | Macao (China) | 2626 | Mexico |
| 443 | Greece | 1176 | Singapore | 2639 | Honduras |
| 471 | Saudi Arabia | 1179 | Maldives | 2645 | El Salvador |
| 529 | Denmark | 1180 | Afghanistan | 2647 | Paraguay |
| 565 | Iran | 1185 | Fiji | 2661 | Peru |
| 578 | Norway | 1186 | Mongolia | 2728 | Nicaragua |
| 669 | United States | 1195 | Indonesia | 2734 | Ecuador |
| 692 | Syria | 1200 | Hong Kong | 2768 | Guatemala |

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| | | | | | |
|---|---|---|---|---|---|
| | | | (China) | | |
| 704 | Cyprus | 1233 | Qatar | 2999 | Aruba |
| 706 | Czech | 1255 | Iceland | 3058 | Ethiopia |
| 707 | Switzerland | 1289 | Albania | 3144 | Bosnia and Herzegovina |
| 708 | Iraq | 1353 | Uzbekistan | 3216 | Dominican |
| 714 | Netherlands | 1407 | San Marino | 3379 | South Korea |
| 717 | Romania | 1416 | Kuwait | 3701 | Malaysia |
| 721 | Lebanon | 1417 | Montenegro | 4450 | Australia |
| 725 | Hungary | 1493 | Tajikistan | 4460 | Chinese mainland |
| 726 | Georgia | 1501 | Bahrain | -15 | Asia - other |
| 731 | Azerbaijan | 1543 | Chile | -14 | South America - other |
| 734 | Austria | 1559 | South Africa | -13 | North America - other |
| 736 | Palestine | 1567 | Egypt | -12 | Europe - other |
| 737 | Türkiye | 1590 | Kenya | -11 | Africa - other |
| 759 | Lithuania | 1592 | Nigeria | -10 | Oceania - other |
| 763 | Oman | 1598 | Tanzania | -2 | Outside the Chinese mainland - other |
| | | 1611 | Madagascar | | |
| | | 1613 | Angola | | |

**ISPs outside the Chinese mainland**

| ISP ID | ISP |
|---|---|
| -1 | ISPs outside the Chinese mainland |

**Note:**

Bandwidth or traffic consumption in logs is based on data returned at the application layer (HTTP protocol) and may be lower than that calculated at the TCP layer due to factors including TCP packet loss, three-way handshake, and retransmission.

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# Upload Storage Settings

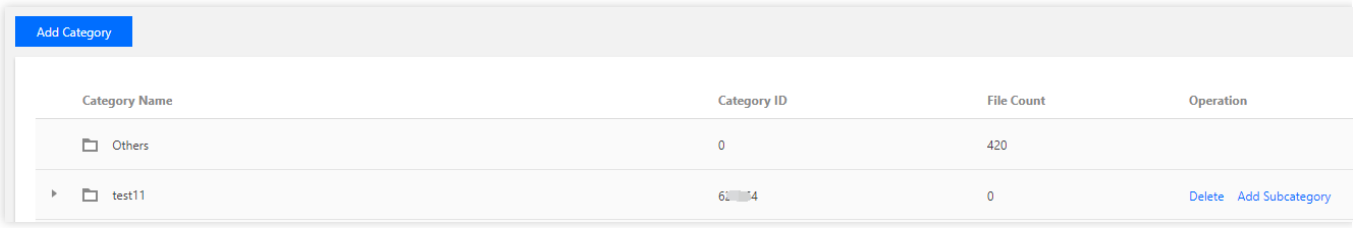
Last updated：2022-09-15 16:26:34

## Overview

You can change upload storage settings including storage categories, storage regions, and upload acceleration to better manage files in the VOD console.

## Managing Categories

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Click **Upload Storage > Category Management** on the left sidebar.




4. Click **Add Category**. In the pop-up window, enter the category name and click **OK**.
5. The newly added category will be displayed in the category list on this page, where you can rename or delete a category or add a subcategory.

Rename: Click the category name, and then click the edit icon next to it to change the name.

Delete: Click **Delete** in the **Operation** column to delete a category. If a category has subcategories, you need to delete the subcategories first.

Add subcategory: Click **Add Subcategory** in the **Operation** column. In the pop-up window, enter a subcategory name and click **OK**.

**Note:**

The subcategory name supports up to 64 characters. Only letters, digits, and parentheses are allowed.

You can also use APIs to view, modify, and delete a category, as well as place files under a category.

You can add up to four levels of categories. This means you cannot add subcategories for a level-4 category.

You can modify the category of a file on the **Video/Audio Management** page of the console. For details, see Quick Edit.

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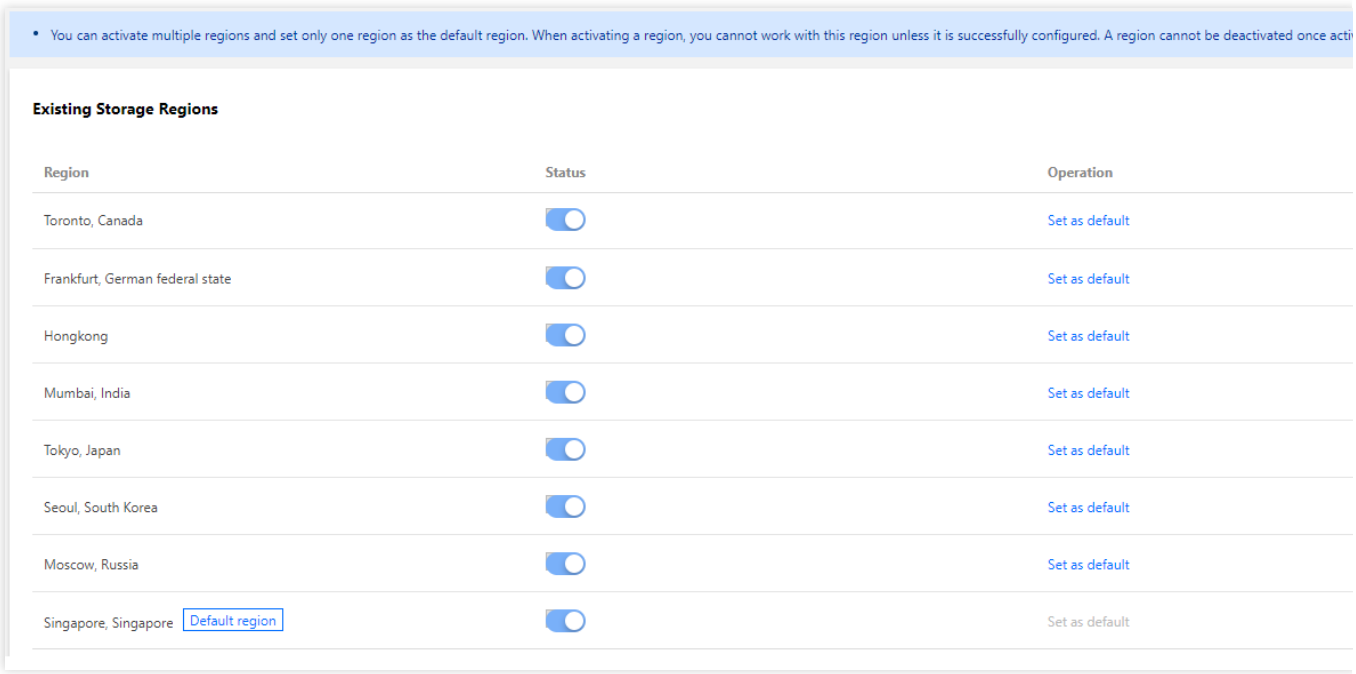
There is a default category named "Other", which you cannot rename, delete, or add subcategories for. If you delete a category, its files will be categorized under "Other".

## Configuring Storage Regions

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Click **Upload Storage > Storage Region** on the left sidebar.




4. To enable storage in a region, toggle on the button in the **Status** column. You can set an enabled storage region as the default.

**Note:**

You can enable multiple storage regions, but you can set only one default region.

After you enable a region in the console, it takes about 5-10 minutes for the configuration to take effect, during which you cannot perform any actions on the region. **Once enabled, a region cannot be disabled.**

#### Storage rules

If only the default region is enabled, all files will be stored in it.

If other regions are also enabled:

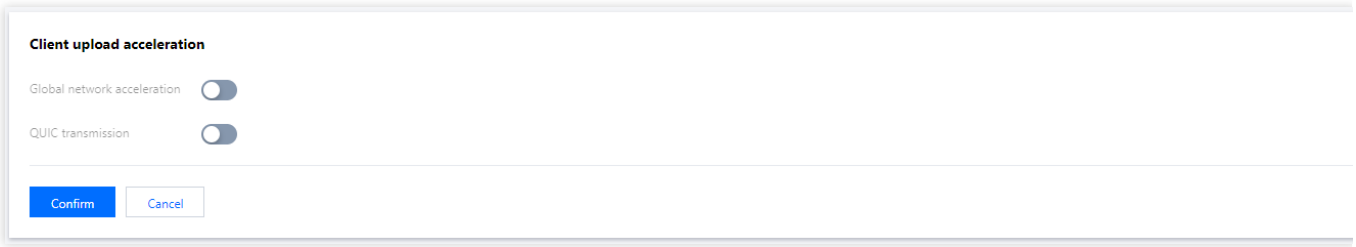
If your IP address is **within the storage scope of an enabled region**, the files you upload will be saved to that region.

If your IP address is **not within the storage scope of any enabled region**, the files you upload will be saved in the default region.

For more information on storage regions, see How to Increase the Speed and Success Rate of Media File Upload.

# Configuring Client Upload Acceleration

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Select **Upload Storage > Upload Acceleration** on the left sidebar.
4. Click **Edit** in the **Client upload acceleration** area to modify acceleration settings.




5. Toggle on or off **Global network acceleration** and **QUIC transmission** and click **Confirm**.

**Note:**

You can enable **QUIC transmission** only if **Global network acceleration** is on.

# Callback Settings

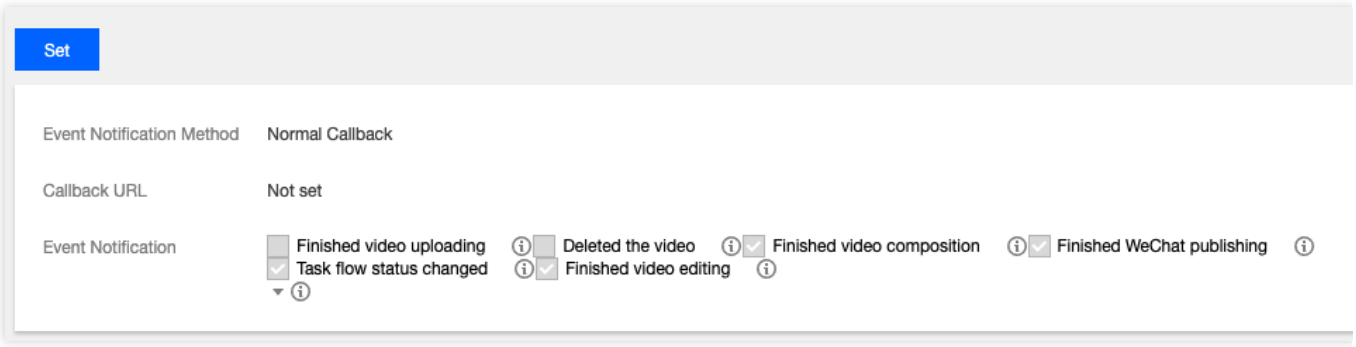
Last updated：2024-12-02 18:21:07

## Overview

You can set the callback mode based on your actual needs. After video processing is completed, the system will submit the processing result and status to the specified address via the specified mode. Callback modes include:
Normal callback: you can configure a custom callback URL. After an event is completed, the system will send an HTTP request to this URL, which contains the notification content.
Reliable callback: after an event is completed, the VOD system will put the notifications into a built-in message queue, and then the application server will get and consume the notifications in the queue through a server API. If the requirement for event notification reliability is high, you are recommended to use this mode.

## Directions

1. Log in to the VOD console and click **Callback Settings** on the left sidebar.
2. Click **Set** to configure the callback.




3. Configure the following parameters based on your actual needs:
Event Notification Method: select Normal Callback or Reliable Callback.
Callback URL: this parameter is displayed only if the event notifcation method is set to **Normal Callback**. Set the address at which the application backend receives callbacks based on your actual needs.
Event Notification: select the events for which you want to receive callbacks, including video upload completion, video deletion, video composition completion, WeChat publishing completion, task flow status change, and video editing completion.
**Note:**

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Among them, task flow status change, video composition completion, and video editing completion are selected by default.
You can click

to the right of the desired callback event to view the corresponding documentation.

# Cost Allocation by Tag

Last updated：2023-04-14 16:21:37

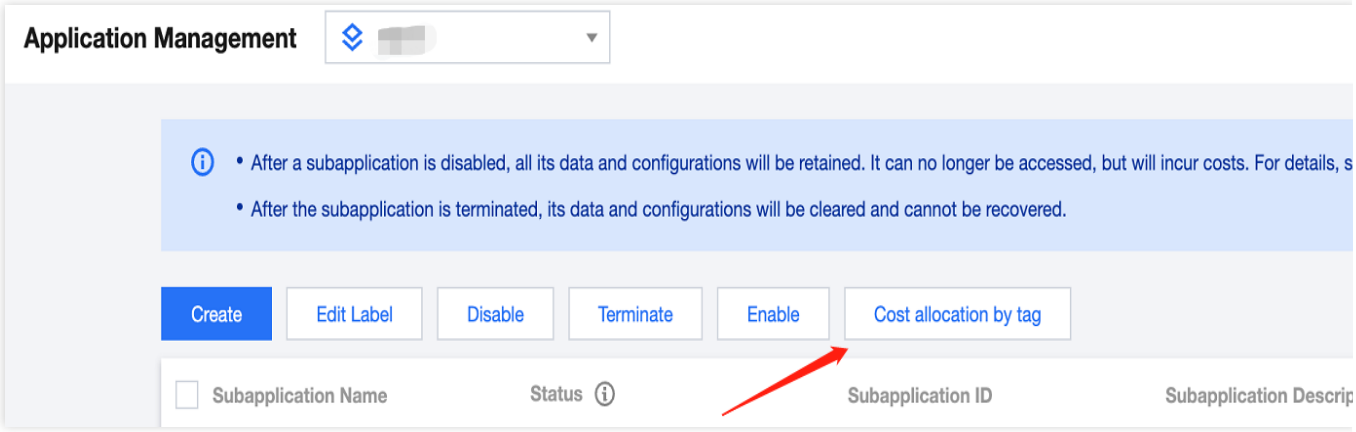
Cost allocation by tag allows you to group your bill data by VOD application or application tag to improve your cost management efficiency. You can enable this feature in the console. The configuration takes effect the following day for daily billing and the first day of the following month for monthly billing. Your historical bills will not be affected.

## Cost Allocation by Application

You can group your bill data by VOD application, in which case the "Instance ID" field in your bill will be your VOD application ID.

### Directions

1. Log in to the VOD console and select **Application Management** on the left sidebar.




2. Click **Cost allocation by tag**. In the pop-up window, toggle the feature on.

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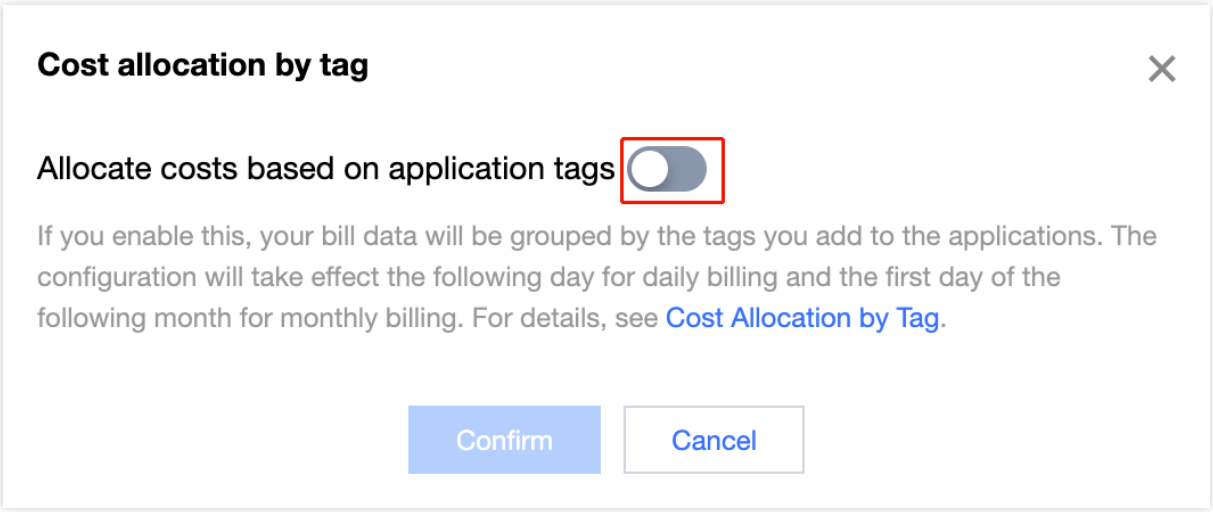
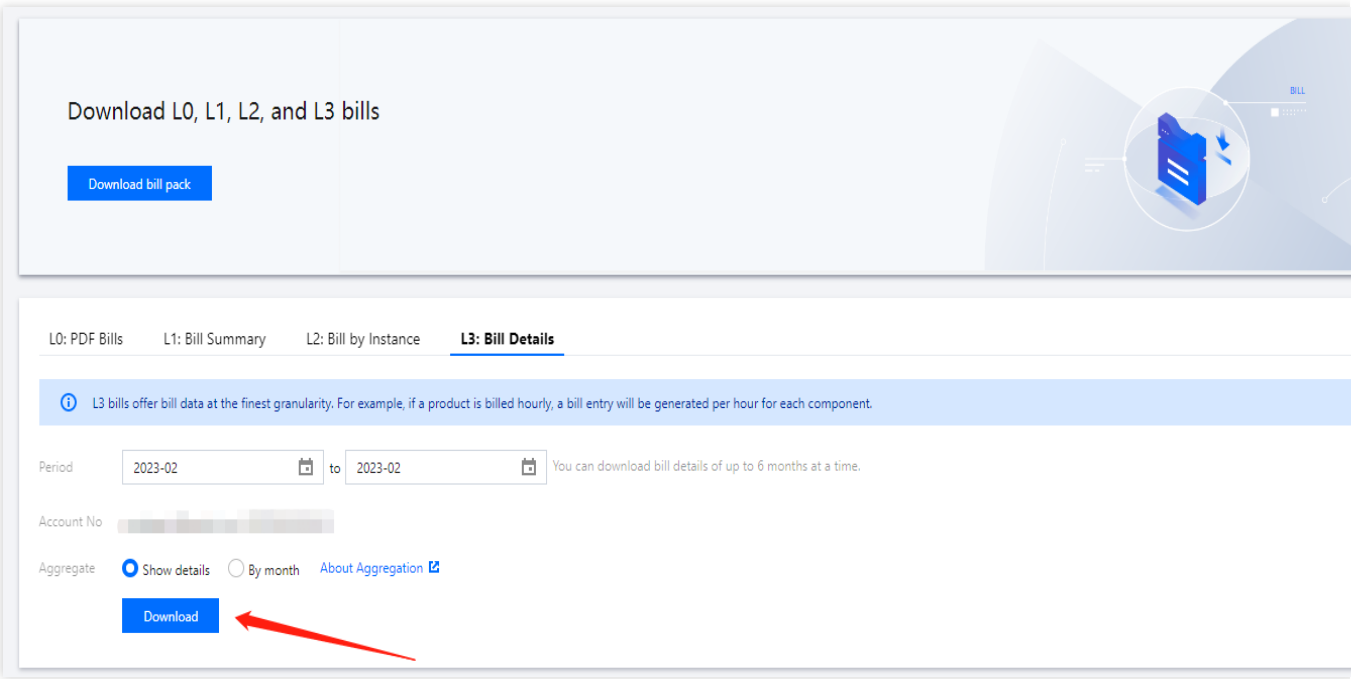



3. The configuration takes effect the following day for daily billing and the first day of the following month for monthly billing. After your bill is generated, you can go to Bill Download and download data under the **L3: Bill Details** tab to view your bill data grouped by application.




# Cost Allocation by Tag

You can also group bill data by tag, in which case the "Tag key:item" field in your bill will be the tag you add, and the "Instance ID" field will be the VOD application ID.

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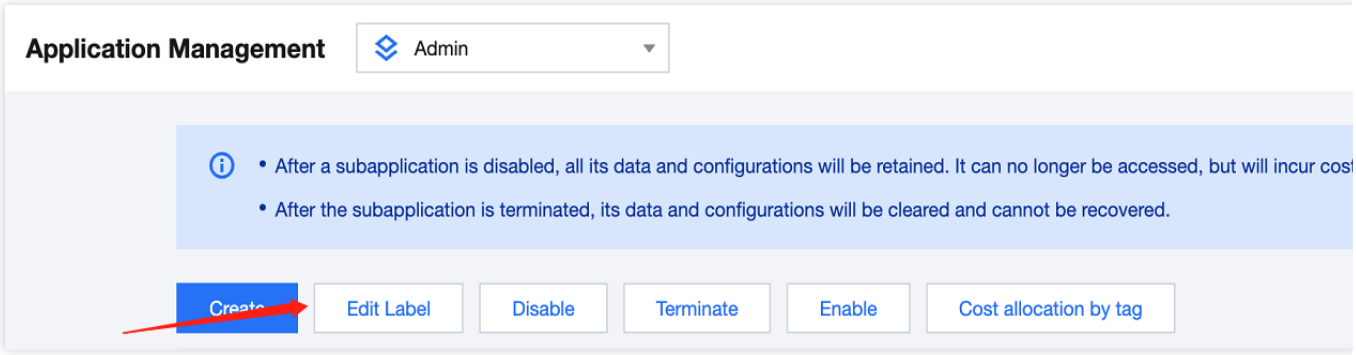
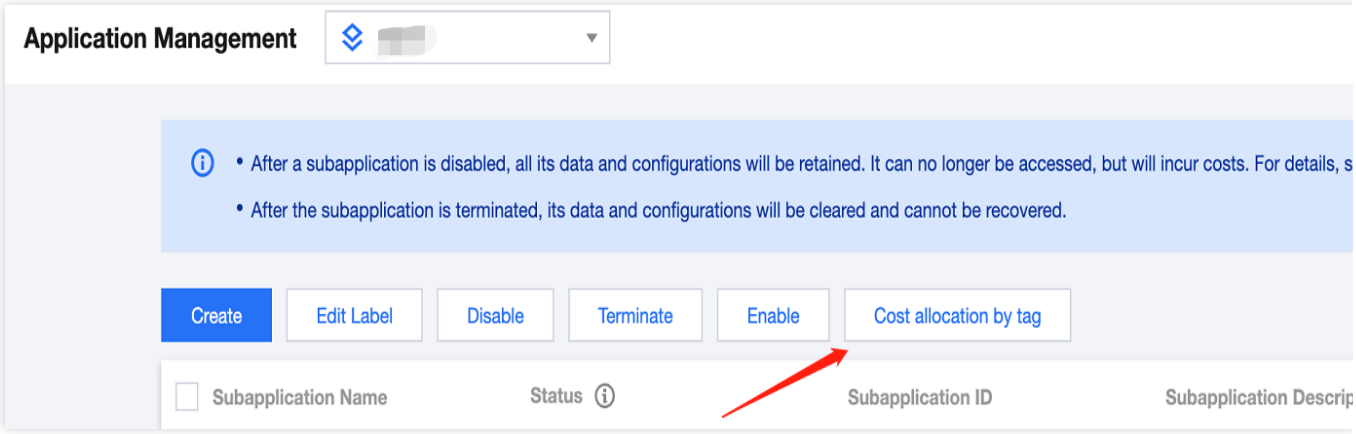
## Directions

1. If you want to group your bill data by tag, you need to first create tags in the Tag console. For detailed directions, see Cost Allocation Tags.
2. After creating a tag, to attach it to a VOD application, select the application in the VOD console, and click **Edit tags**.




3. After attaching the tag, click **Cost allocation by tag**, toggle the feature on in the pop-up window, and your new bill data will be grouped by tag.

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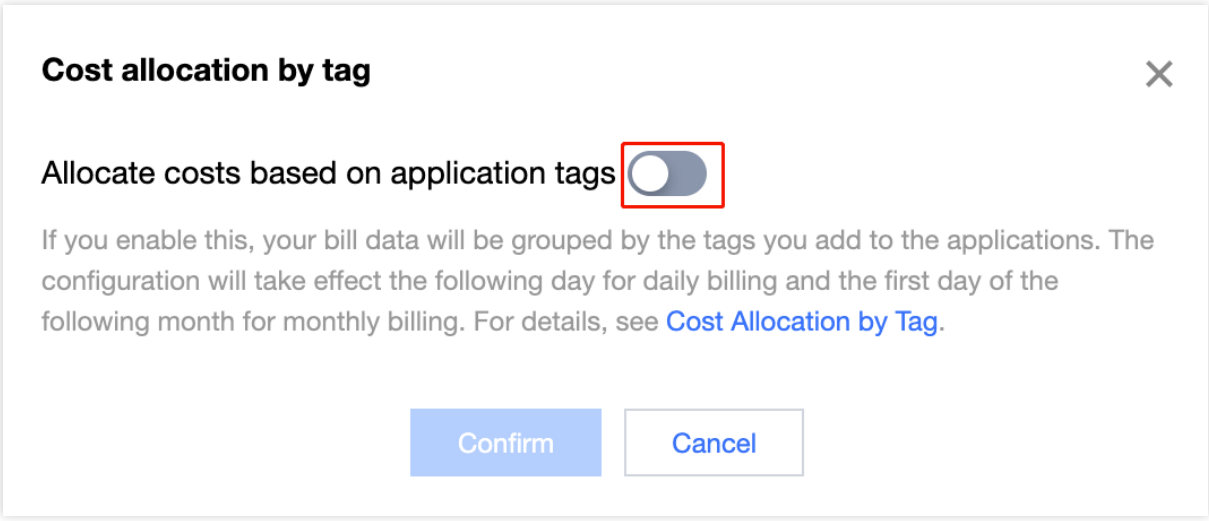
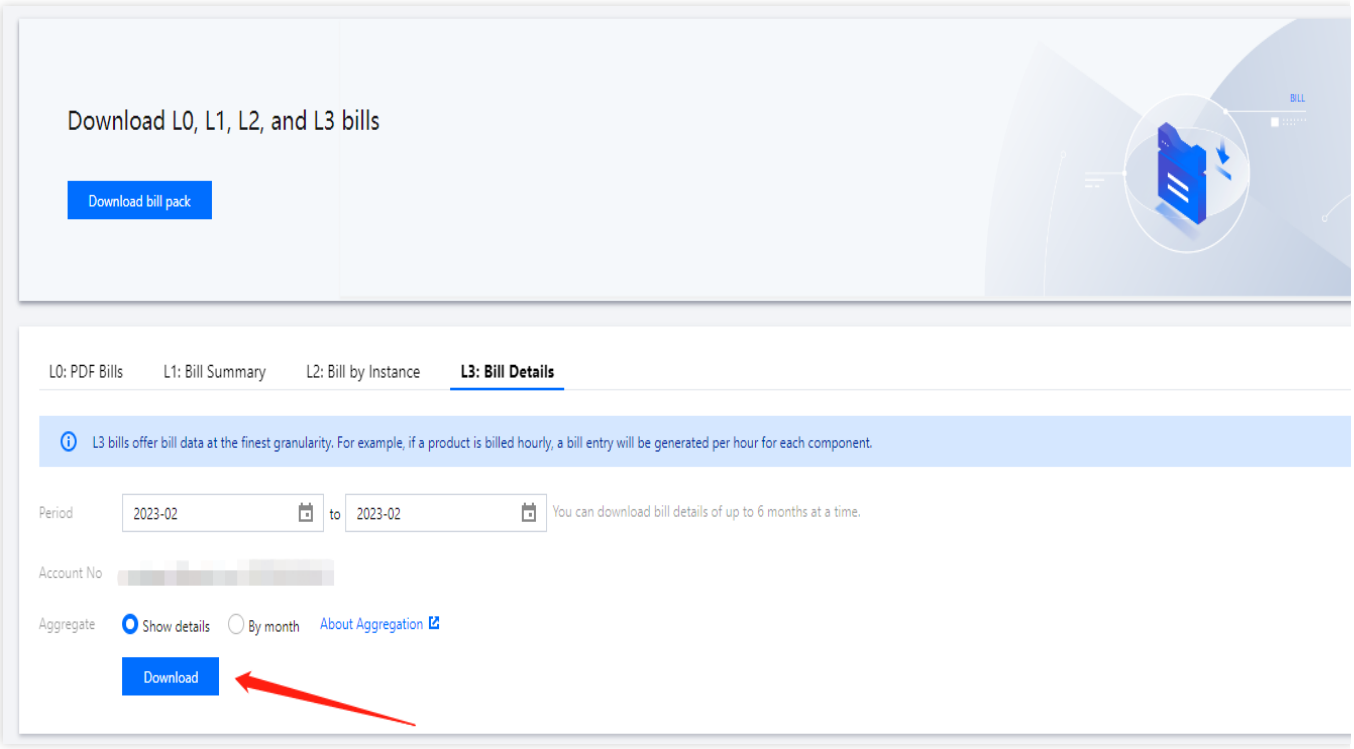



4. The configuration takes effect the following day for daily billing and the first day of the following month for monthly billing. After your bill is generated, you can go to Bill Download and download data under the **L3: Bill Details** tab to view your bill data grouped by application.



# Media Management
# Media Asset Management
# Audio/Video Management
# Upload Audio/Video Files

Last updated：2022-09-16 15:48:08

## Overview

This document describes how to upload audio/video files from local storage or a URL in the VOD console.

**Note:**

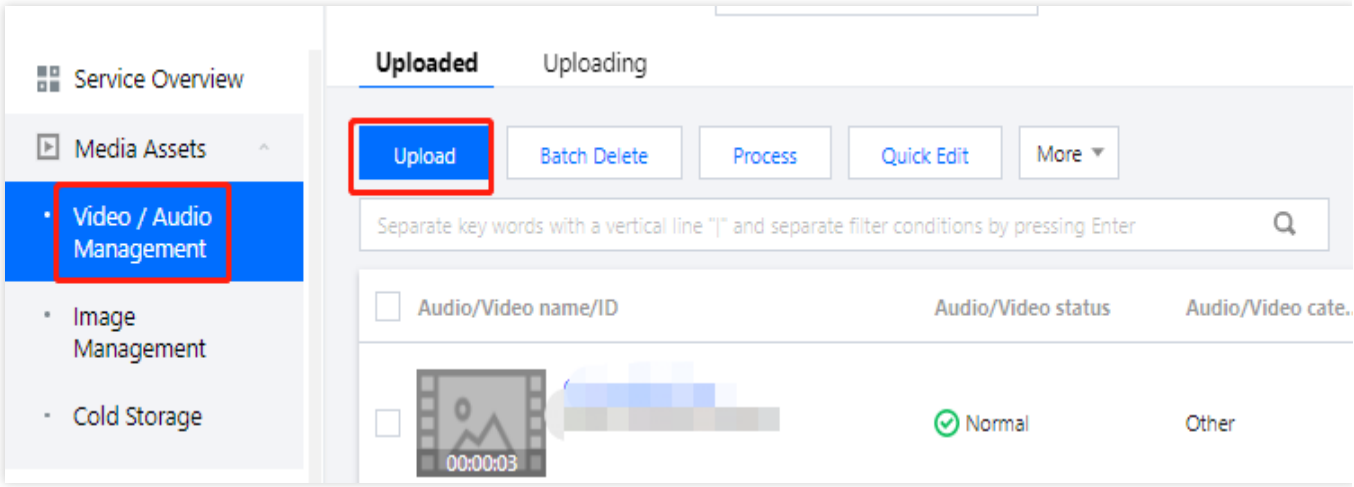
Formats including WMV, RM, MOV, MPEG, MP4, 3GP, FLV, AVI, and RMVB are supported.

During upload, you can visit other pages of the VOD console, but do not close the browser or access the console of another product. Doing so will interrupt the upload.

Web upload supports checkpoint restart and upload queues. We recommend you use Chrome. If you use Internet Explorer, make sure the version is 10 or later.

## Upload from Local Storage

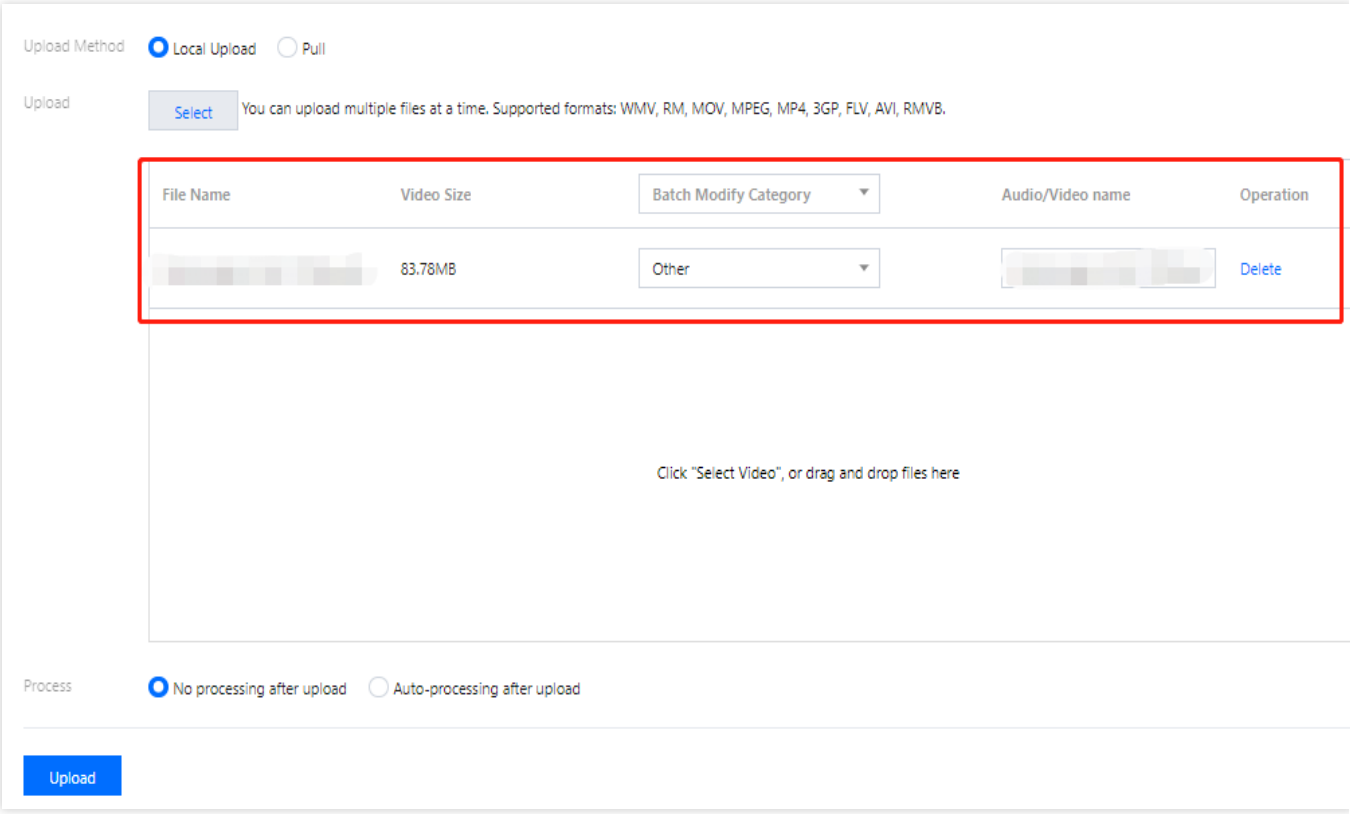
1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video/Audio Management > Uploaded**.



4. Click **Upload**.

5. Select **Local Upload** and then click **Select** to select a local file or drag and drop the file to the empty space.

6. In the upload list, you can check the names and sizes of files to be uploaded, change their names and categories, or remove them from the list.




7. You can choose whether to process the audio/video files upon upload.

If you don't want to process the files upon upload, select **No processing after upload**.

If you want to process the files upon load, select **Auto-processing after upload** and set the processing parameters.

| Processing Type | Transcoding/Moderation/Task Flow Template | Watermark Template | Thumbnail |
|---|---|---|---|
| Transcoding | If the processing type is **Transcoding**, this will be **Transcoding Template**.<br>Click **Transcoding Template to select an existing template.**<br>or click **Common Template to select a frequently used template**. | No watermark<br>Default watermark<br>Select watermark | If you select this, the first frame will be used as the thumbnail. |
| Moderation | If the processing type is **Moderation**, this will be **Moderation Template**.<br>Select a moderation template from the drop-down list. | - | - |

| | | | |
|---|---|---|---|
| Task Flow | If the processing type is **Task Flow**, this will be **Task Flow Template**. Select a task flow template from the drop-down list. | - | - |

8. Click **Upload**.

# Pull from URLs

### Pulling by row

1. Log in to the VOD console and select **Media Assets** > Video/Audio Management on the left sidebar.
2. Click **Upload**. The pull method supports file formats including WMV, RM, MOV, MPEG, MP4, 3GP, FLV, AVI, RMVB, and HLS.
3. Select **Pull** (this allows you to upload videos to the console from URLs) and click **Add a Row** in the upload list.
4. Enter the information of the file to upload. You can add multiple files by clicking **Add a Row**, one row for each file.

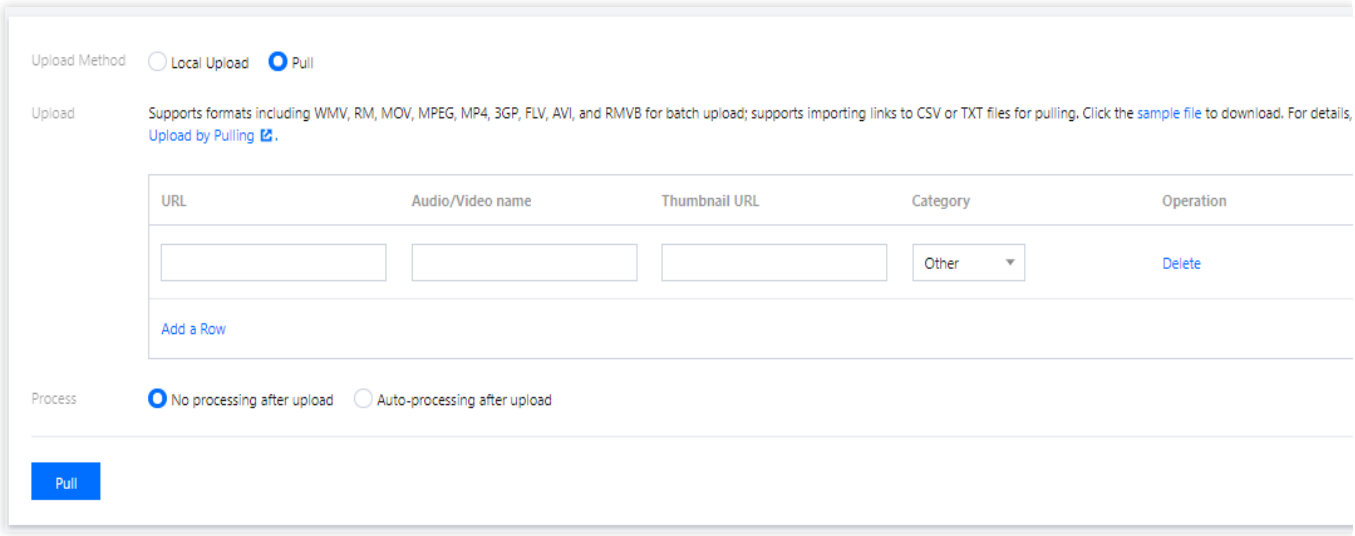
URL: Enter the URL of the file to upload.

Audio/Video name: Enter the name of the file.

Thumbnail URL: Enter the URL of the thumbnail.

Category: Select a category for the file.

5. Click **Pull**.




**Note:**

The upload process may take several minutes. You can view the progress of videos being uploaded in **Video/Audio Management > Uploading**. Uploaded videos can be found in **Video/Audio Management > Uploaded**.

### Pulling in batches

You can upload a TXT or CSV file that contains the information of the files to upload. VOD will parse the TXT or CSV file and automatically fill the upload information in the upload list.
The content of the TXT or CSV file must meet certain format requirements. You can download a **sample file** to view the details.

| Column 1 | Column 2 | Column 3 |
| --- | --- | --- |
| Source URL | Name | Thumbnail URL |

TXT file: Separate columns with commas.
CSV file: Separate columns with commas (You can also fill in the table in the sample file).
**Note:**
**Make sure you enter the information in the specified order**, that is, source URL, name, and thumbnail URL.
After the file is parsed, check for errors before upload.
Please refer to the sample files for format requirements.

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# Delete Audio/Video Files

Last updated：2022-09-16 15:48:08

## Overview

This document describes how to delete audio/video files in the VOD console.

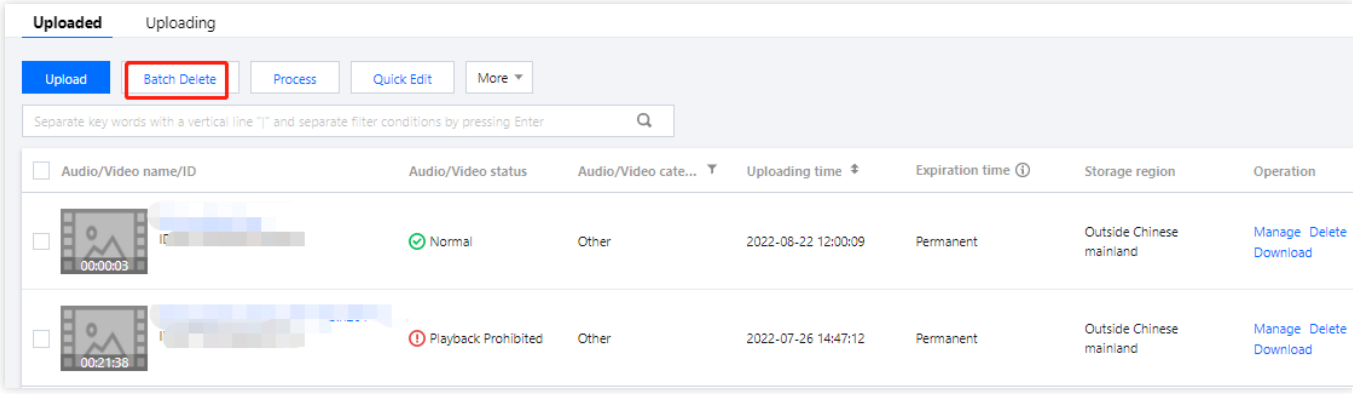
**Note:**

Deleted videos can no longer be accessed from CDN nodes. **The deletion cannot be undone**.

## Directions

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video/Audio Management > Uploaded**.
4. Find the target audio/video file and click **Delete** in the **Operation** column. In the pop-up window, click **Confirm**.

You can also select multiple files, click **Batch Delete**, and then click **Confirm** in the pop-up window.



# Process Audio/Video Files

Last updated：2023-05-15 17:30:11

## Overview

This document describes how to transcode, watermark, and moderate audio/video files in the VOD console.

## Directions

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. You will be directed to the **Service Overview** page.
4. Go to **Media Assets > Video/Audio Management > Uploaded**. Select one or more files. Above the list, click the operation you want to perform on the selected files. On the **Media processing** page, configure the processing parameters and click **Confirm**.

| Processing Type | Transcoding/Moderation/Task Flow Template | Watermark Template | Thumbnail |
|---|---|---|---|
| Transcoding | If the processing type is transcoding, you will need to select a **transcoding template**.<br>Click **Select template** to select from existing templates.<br>You can also **use common templates**. | Do not add a watermark.<br>Use the default watermark.<br>Select a watermark template. | Select whether to use the first frame as the thumbnail. |
| Adaptive bitrate streaming | If the processing type is adaptive bitrate streaming, you will need to select one or multiple **transcoding templates**. | Do not add a watermark.<br>Use the default watermark.<br>Select a watermark template. | Select whether to use the first frame as the thumbnail. |
| Top Speed Codec transcoding | If the processing type is **TSC transcoding**, you will need to select a **TSC transcoding template**. | Do not add a watermark.<br>Use the default watermark. | Select whether to use the first frame as the thumbnail. |

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| | | | |
|---|---|---|---|
| | | Select a watermark template. | |
| Task flow | If the processing type is **task flow**, you will need to select a **task flow template**. | - | - |
| Content moderation | If the processing type is **content moderation**, you will need to select a **moderation template**. | - | - |
| Remaster | If the processing type is **remaster**, you will need to select a **remaster template**. | - | - |

**Note:**

For more information on template and task flow settings, see Video Processing Settings.

# Quick Edit

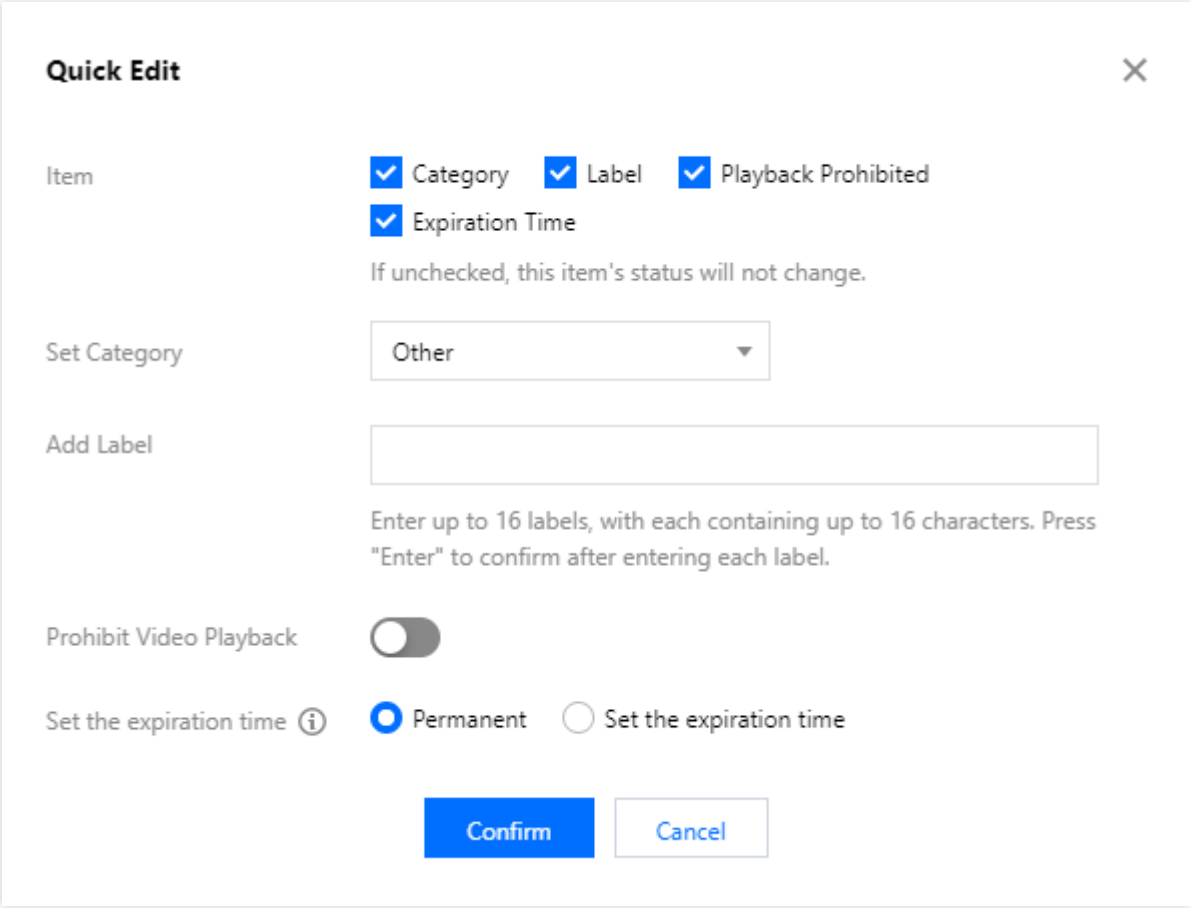
Last updated：2021-12-21 16:25:40

## Overview

This document describes how to quickly edit and modify the attributes of media assets in the VOD console.

## Directions

1. Log in to the VOD console and select **Media Assets** > **Video Management**. The **Uploaded** page is displayed.
2. Select the target video, click **Quick Edit** above the list, modify the media asset information of the video file, and click **Confirm**.




**Note:**
Quick edit is supported for configuration items of category, label, playback prohibition, and expiration time. If you don't select a configuration item, it will stay unchanged.

For more information on how to manage audio/video file categories, see Category Management.

**Category**: you can manage the categories of media asset files. A file can belong to only one category, and you can specify its category for easier operations.

**Label**: you can manage the labels of media asset files. A file can have multiple labels, and you can filter it by label.

**Playback Prohibited**: you can prohibit the playback of media asset files. Once prohibited, a file cannot be accessed on CDN nodes until the prohibition is canceled. Prohibition takes effect in about 5 minutes.

**Expiration Time**: you can delete media asset files by expiration time. Once expired, a file will be deleted by VOD to reduce the storage costs.

**Note:**

Once deleted, a file cannot be recovered. Therefore, delete files with caution.

| Item | Description |
| --- | --- |
| Category | It is used for media asset categorization. Each media asset has only one category. |
| Label | It is used to label the content of media assets. Each media asset can have multiple labels. |
| Playback Prohibited | It is used to stop video delivery. After it is enabled, a media asset will become inaccessible over the public network. The time for it to take effect is 5 minutes, and the video status will change to **Playback Prohibited**. |
| Expiration Time | It is used to specify the deletion time of media assets. They will be deleted at the specified time and cannot be recovered. |

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# Search for Audio/Video Files

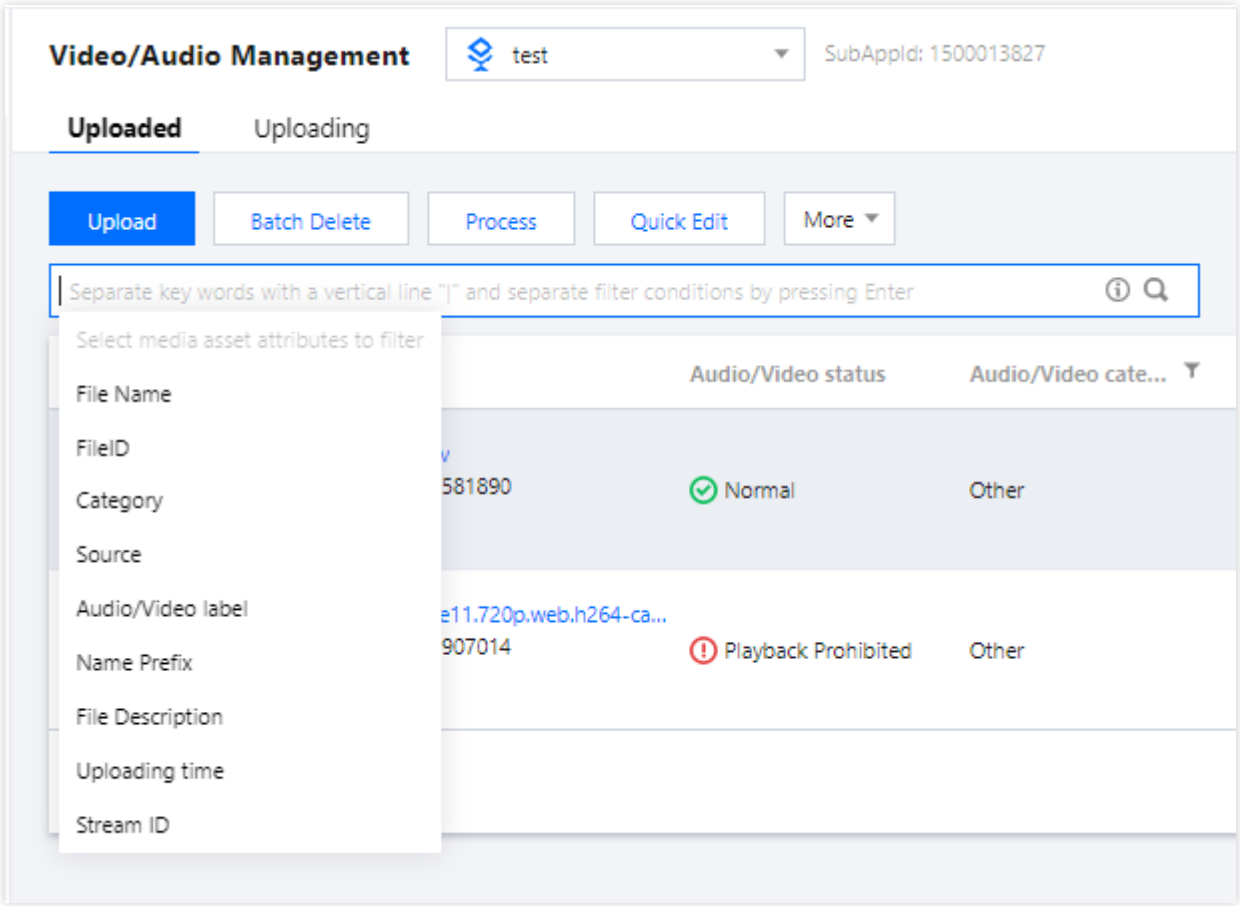
Last updated：2022-09-16 15:48:08

## Overview

This document shows you how to search for audio/video files in the VOD console.

## Directions

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video/Audio Management > Uploaded**.
4. In the search box above the list, select a media asset attribute or enter a keyword to search for uploaded files.




| Field | Description |
| --- | --- |

| | |
|---|---|
| FileID | The unique identifier of a file uploaded to VOD. |
| Category | The category you specified for a file. If you don't specify a category for a file, it will be categorized as "Other" by default. |
| Source | The source of a media file, which may be “Record”, “Upload”, or “Process”. |
| Audio/Video label | The label you specified for a file. |
| Name prefix | The name prefix you specified for a file. |
| File description | Your description of a media file. |
| Uploading time | The time when a file was uploaded. |
| Stream ID | The stream ID you used during live recording. |

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# View Audio/Video Files

Last updated：2022-09-16 15:48:08

## Overview

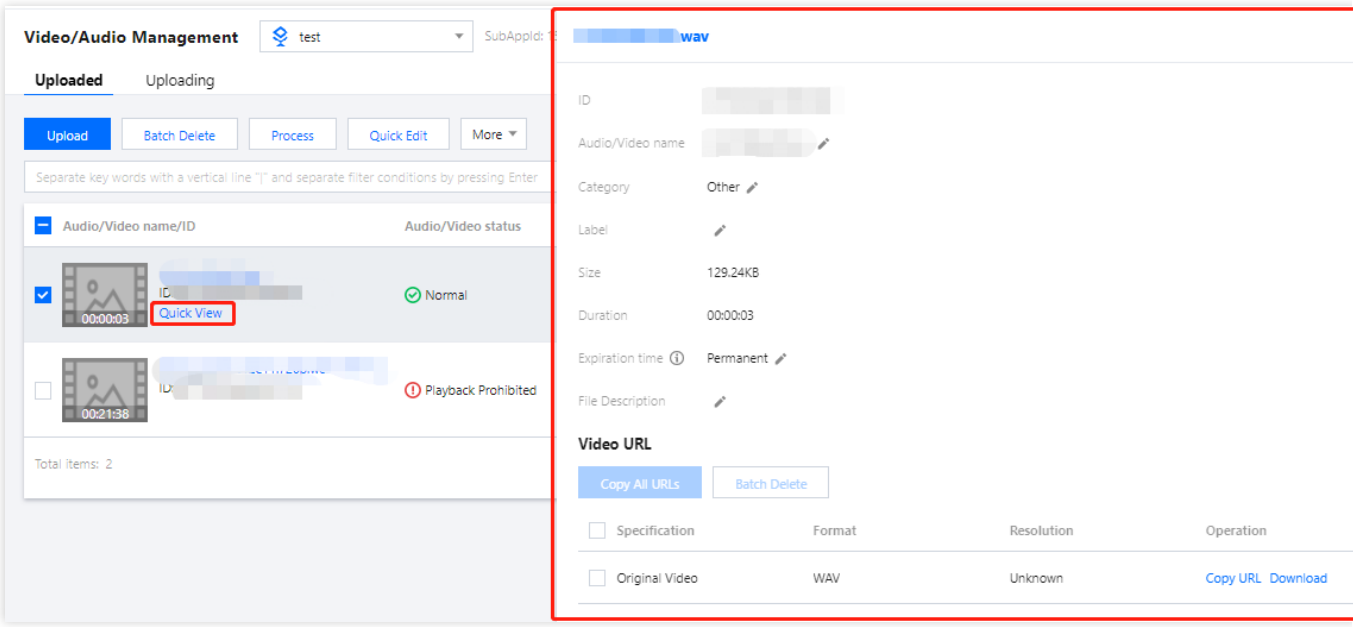
This document describes how to view audio/video files in the VOD console.

## Directions

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video/Audio Management > Uploaded**, find the file you want to view, and click **Quick View**.

The pop-up window shows the file's ID, name, category, labels, size, duration, expiration time, and description (some of these are editable).

You can copy the URL of the file for processing or playback.



# Managing Audio/Video Files

Last updated：2022-10-17 11:15:59

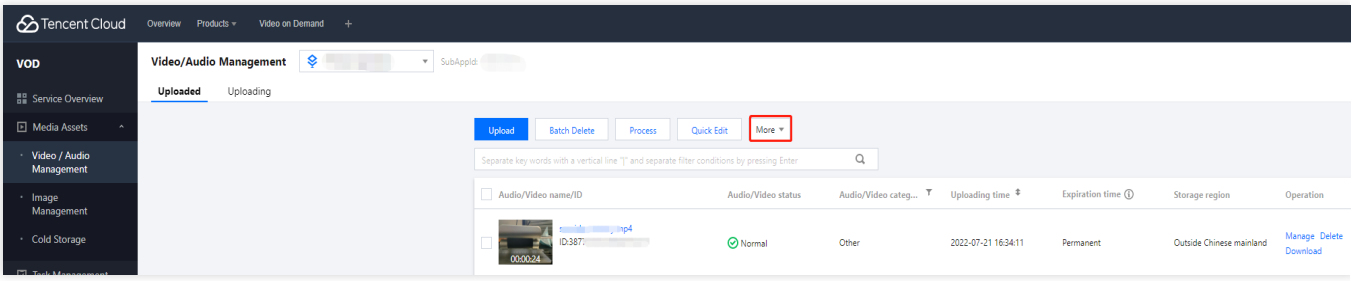
This document describes how to manage audios/videos in the VOD console, including editing basic audio/video information, publishing audios/videos, previewing audios/videos in Player, and generating web player code.

## More Features

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video Management > Uploaded**.
4. Click **More** to change the status or storage class of audio/video files or retrieve archived files.

### Changing audio/video status

You can control access to a media file by changing its status.




**Playback Prohibited**: After the playback of an audio/video is prohibited, error 403 will be returned when resources of the selected asset (including the source file, transcoding result, and screenshots) are requested. You can still play the file in the VOD console.
**Unblocked**: Click this to unblock an audio/video file and allow users to access the file normally.
**Note:**
It takes about 5-10 minutes for the playback prohibiting/unblocking action to fully take effect.

### Changing the storage class

You can change the storage class of a media file on this page. Currently, the following storage classes are supported:

| Storage Class | STANDARD | STANDARD_IA | ARCHIVE | DEEP_ARCHIVE |
|---|---|---|---|---|
| Default in VOD | Yes | No | No | No |
| Storage costs | High | Medium | Low | Very low |
| | | | | |

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| | | | | |
|---|---|---|---|---|
| Access performance | High | Low | Not supported | Not supported |
| Data retrieval fees | No | No | Yes | Yes |
| Supported regions | All | All | All | Beijing, Shanghai, and Chongqing |
| Minimum billable duration | None | 30 days | 90 days | 180 days |

**Notes:**

1. For files uploaded to VOD (whether using an API, from the SDK, or from the console), the default storage class is STANDARD.
2. For details about storage costs, see Purchase Guide.
3. Access performance refers to metrics such as **time to first frame (TTFF)** and **stutter rate**. We recommend you do not change the storage class of files that are **frequently accessed**. ARCHIVE and DEEP ARCHIVE files cannot be directly accessed (played or processed). You need to retrieve them first.
4. You can retrieve files from ARCHIVE or DEEP ARCHIVE files to STANDARD. The costs vary depending on the original storage class and retrieval mode.
5. DEEP ARCHIVE is currently available only in Beijing, Shanghai, and Chongqing.
6. **There are minimum storage durations for STANDARD_IA, ARCHIVE, and DEEP ARCHIVE files. Storage fees for the minimum storage duration will be charged even if a file is stored for shorter than the period.**

**Note:**

Minimum storage duration for STANDARD_IA files is 30 days. Storage fees for 30 days are charged even if the file is stored for a shorter period.
Minimum storage duration for ARCHIVE files is 90 days. Storage fees for 90 days are charged even if the file is stored for a shorter period.
Minimum storage duration for DEEP ARCHIVE files is 180 days. Storage fees for 180 days are charged even if the file is stored for a shorter period.
If a file is deleted before the minimum storage period elapses, the storage fee will be billed the following day for daily billed users and the following month for monthly billed users.

**Use limits:**

To move a file from ARCHIVE or DEEP ARCHIVE to another storage class, use the data retrieval feature.

**Note:**

You will fail to move a file from ARCHIVE or DEEP ARCHIVE to another storage class using the **Change Storage Class** feature.

## Data Retrieval

You can use the data retrieval feature to move files from ARCHIVE or DEEP ARCHIVE to STANDARD. Multiple retrieval modes are supported, which differ in speed and cost. For details about data retrieval fees, see Data Retrieval.

| Retrieval Mode | From ARCHIVE | From DEEP ARCHIVE |
|---|---|---|
| Expedited | 5 minutes | Not supported |
| Standard | 5 hours | 24 hours |
| Bulk | 12 hours | 48 hours |

**Note:**

A media asset (FileId) may be stored as multiple files, including the original file, transcoding results, and screenshots. The time it takes to retrieve these files may vary. VOD does not keep track of the retrieval progress of each file. Instead, it estimates the time it may take for all the files to be retrieved and denies access to the asset before the time elapses (even if all the files have already been retrieved).

Because a media asset may not be marked as retrieved even when it has actually been retrieved, the actual accessible period of the asset may be shorter than expected. Given this, we recommend you set the validity period of assets retrieved from DEEP_ARCHIVE one day longer than you actually need.

# Editing Basic Information

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video Management > Uploaded**.
4. Find the target video and click **Manage**. The **Basic Info** page shows a media file's basic information, standard transcoding list, and adaptive bitrate streaming list.

**Basic Info**

| Field | Description |
|---|---|
| Thumbnail | You can click the edit icon next to the thumbnail image to select an existing image in "Image Management" or upload a local image to use as the thumbnail.<br>Only JPG, PNG, and static GIF images are supported.<br>The image can be up to 1 MB in size and 1920 x 1080 in dimensions.<br>The filename cannot contain Chinese characters. |
| Name | You can rename a media file.<br>The name can contain up to 20 characters. Double quotation marks ("), single quotation marks ('), less-than signs (<), and greater-than signs (>) are not supported. |
| Category | You can modify the category of a media file. |

| | |
|---|---|
| | Click the edit icon, select a category, and click **Confirm**. |
| Label | You can add labels to a media file.<br>Each label can be up to 16 characters long and can contain letters and numbers. Press Enter to add multiple labels. |
| Description | You can add a brief description to a media file.<br>The description can be up to 128 characters long. |
| Storage Type | You can modify the storage class of a media file.<br>Click **Storage Type** to move a file from STANDARD to STANDARD_IA or the other way around. |

**Standard Transcoding List**: The source file and transcoding outputs.

You can copy the URL of a file or preview the file.

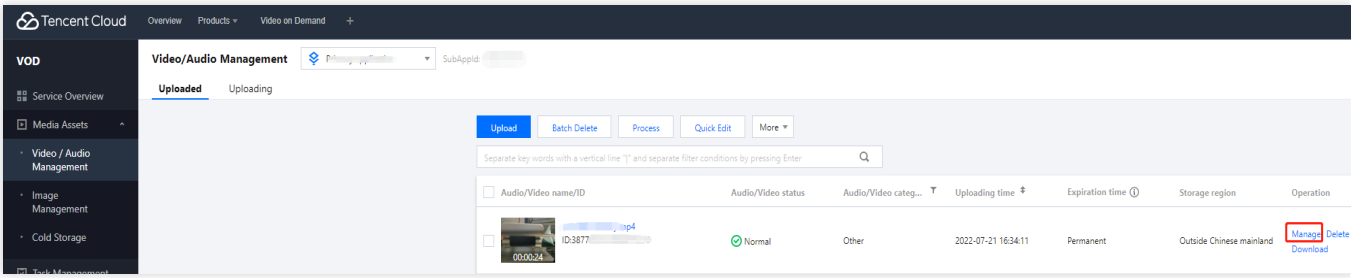
You can also delete a transcoding output file or generate a QR code for sharing.

**Adaptive Bitrate Streaming List**

You can copy the URL of a media file, preview the file, and view its details.

# Screenshot Information

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video Management > Uploaded**.
4. Find the target media file and click **Manage** to enter the **Basic Info** page.




5. Select the **Screenshot Info** tab. This page shows screenshots of the source video as well as processed videos, including animated images, image sprites, sampled screenshots, and time point screenshots.

**Note:**

Only the latest 100 entries are displayed. To get the information of all screenshots, click the download icon in the top-right corner.

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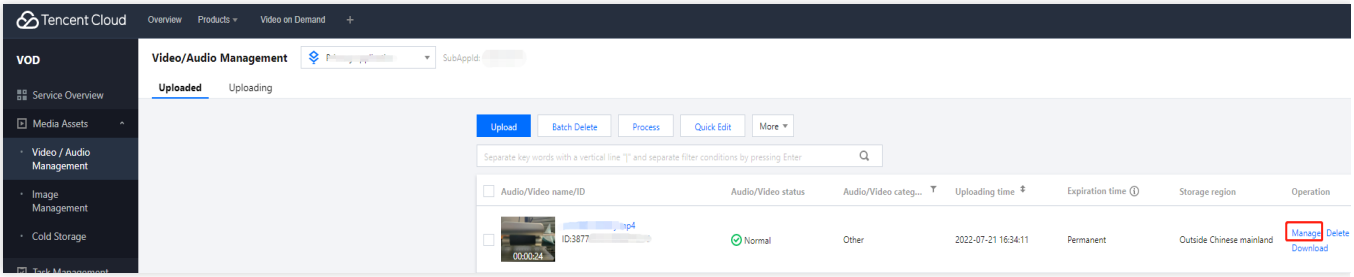
# Publishing Video

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video Management > Uploaded**.
4. Find the target media file and click **Manage** to enter the **Basic Info** page.



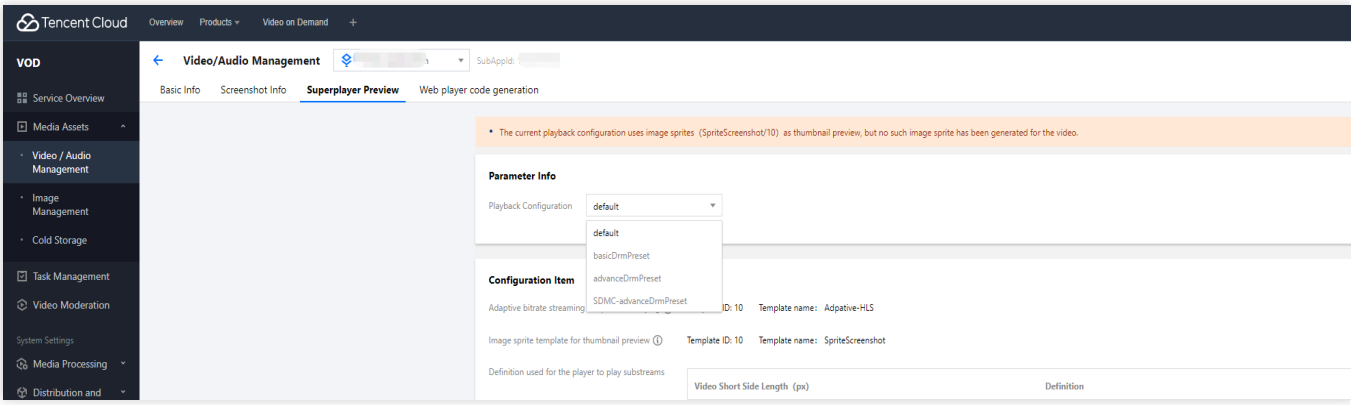

5. Click **Publish Video** to enter the video publishing page, which displays the source and output video files.

# Player Preview

After transcoding a video to an adaptive bitstream, you can preview it in the player. VOD supports preview in both the **web player** and **client player**.

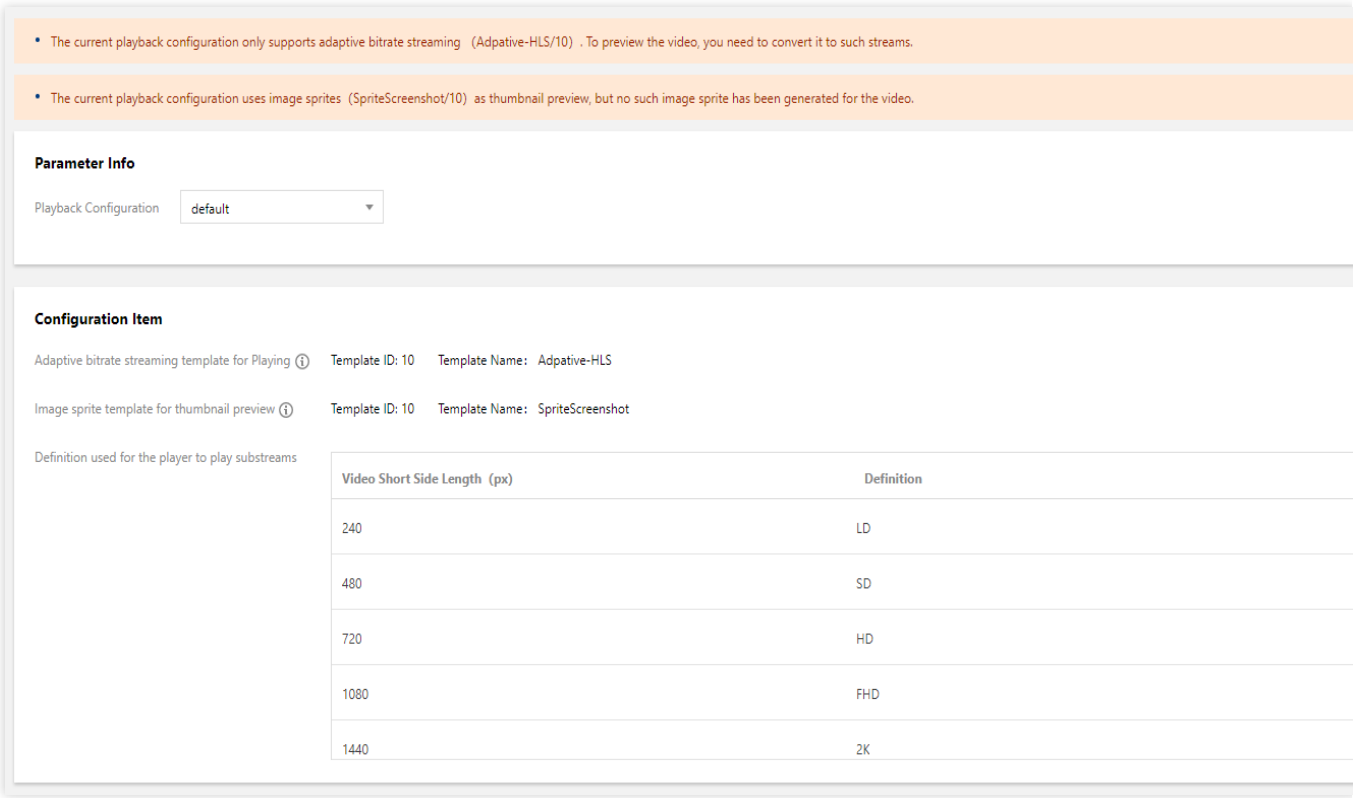
## Parameter Info

**Playback Configuration**: Displays all the configurations of the player. It comes with two configurations: `default` and `basicDrmPreset`. **To configure your own parameter, you must first** enable key hotlink protection **for the primary distribution domain name via the Operation tab.**




## Configuration items

**Configuration Item**: Shows the configuration items for the selected player configuration.
If there is an adaptive bitrate stream and image sprite thumbnails for the media asset (file ID), you can preview it using a web player or client player.
If there isn't an adaptive bitrate stream or image sprite thumbnails for the media asset (file ID), you will see the following messages:



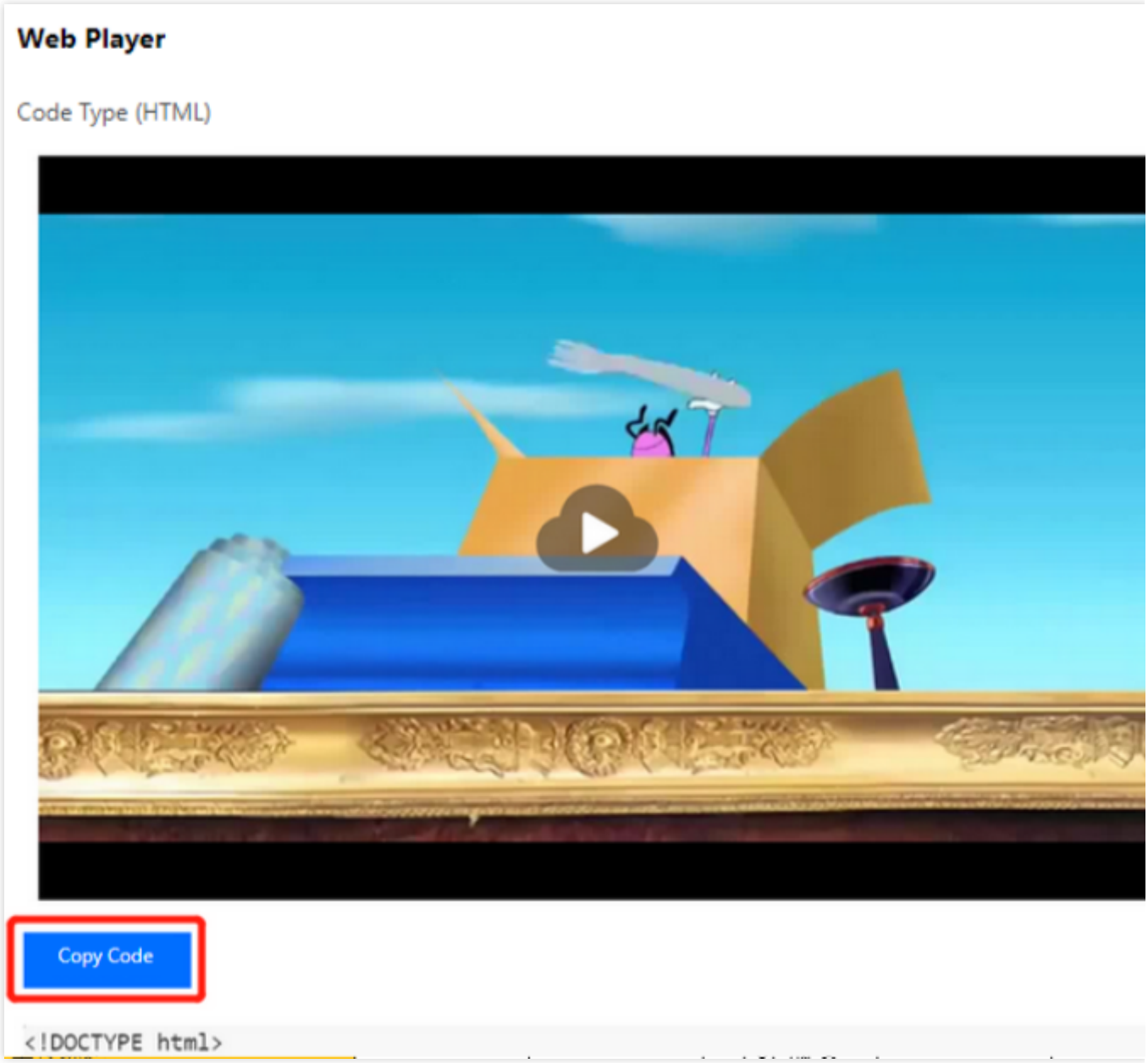

## Playback control

For a player configuration for which key hotlink protection is enabled, you can set parameters including **playback URL expiration time**, **preview duration**, and **max playback IPs**.
Playback URL expiration time: The expiration time of the playback URL.
Preview duration: The preview duration of a video, which must be longer than 30 seconds. If it is left empty, there will be no limit on playback duration.
Max playback IPs: The maximum number of IP addresses allowed to play the file.

## Video preview

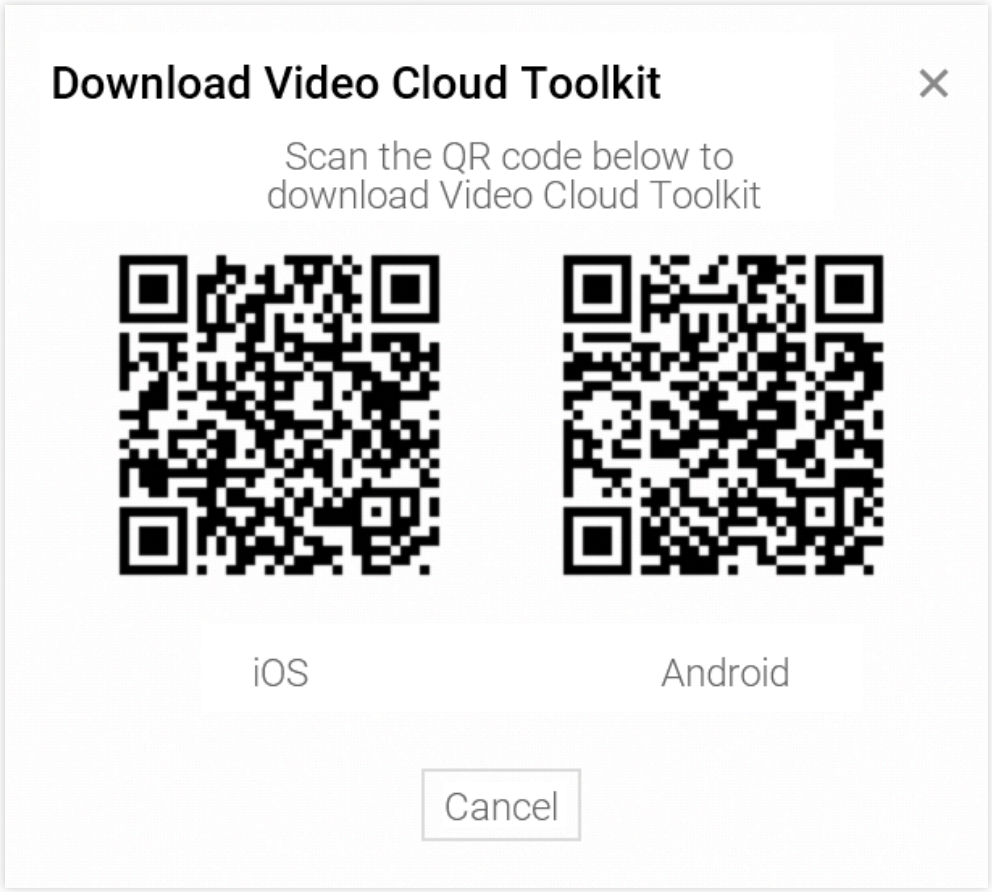
### Web player

You can click a video to preview it on the web player. You can also copy the code and embed it into a webpage.




**Client player**

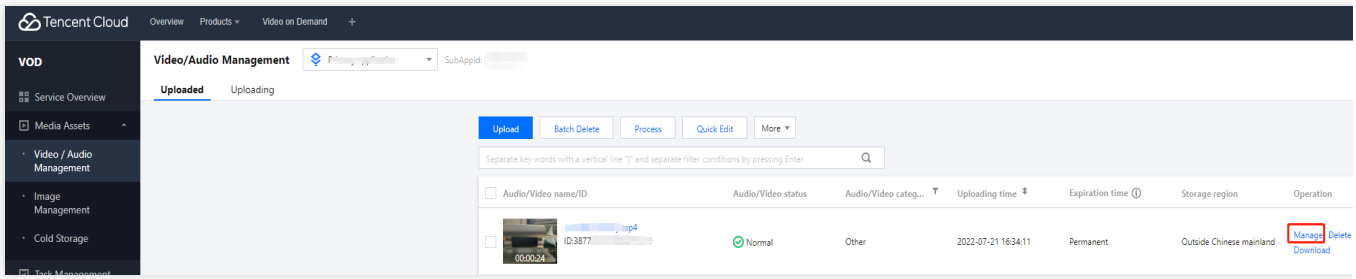
1. Download the Video Cloud Toolkit App.




2. Use the app to scan the QR code or enter the `appID` and `fileID` manually to preview the video on a client player.

## Web Player Code Generation

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video Management > Uploaded**.
4. Find the target media file and click **Manage** to enter the **Basic Info** page.




5. Select the **Web Player Code Generation** tab to manage your player information and web player code.

Click **Modify** in the **Parameter Settings** area. In the window that pops up, select a player from the drop-down list (for information on player configuration, see Web Player Management), and click **Confirm**.
In the **Web Player Code** area, choose a video resolution from the **Video Dimension** drop-down list, enable or disable auto playback, and select a code type (**HTML** or **IFRAME**).
6. Click **Copy Code** to copy the generated web player code.

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# Exporting the Audio/Video List

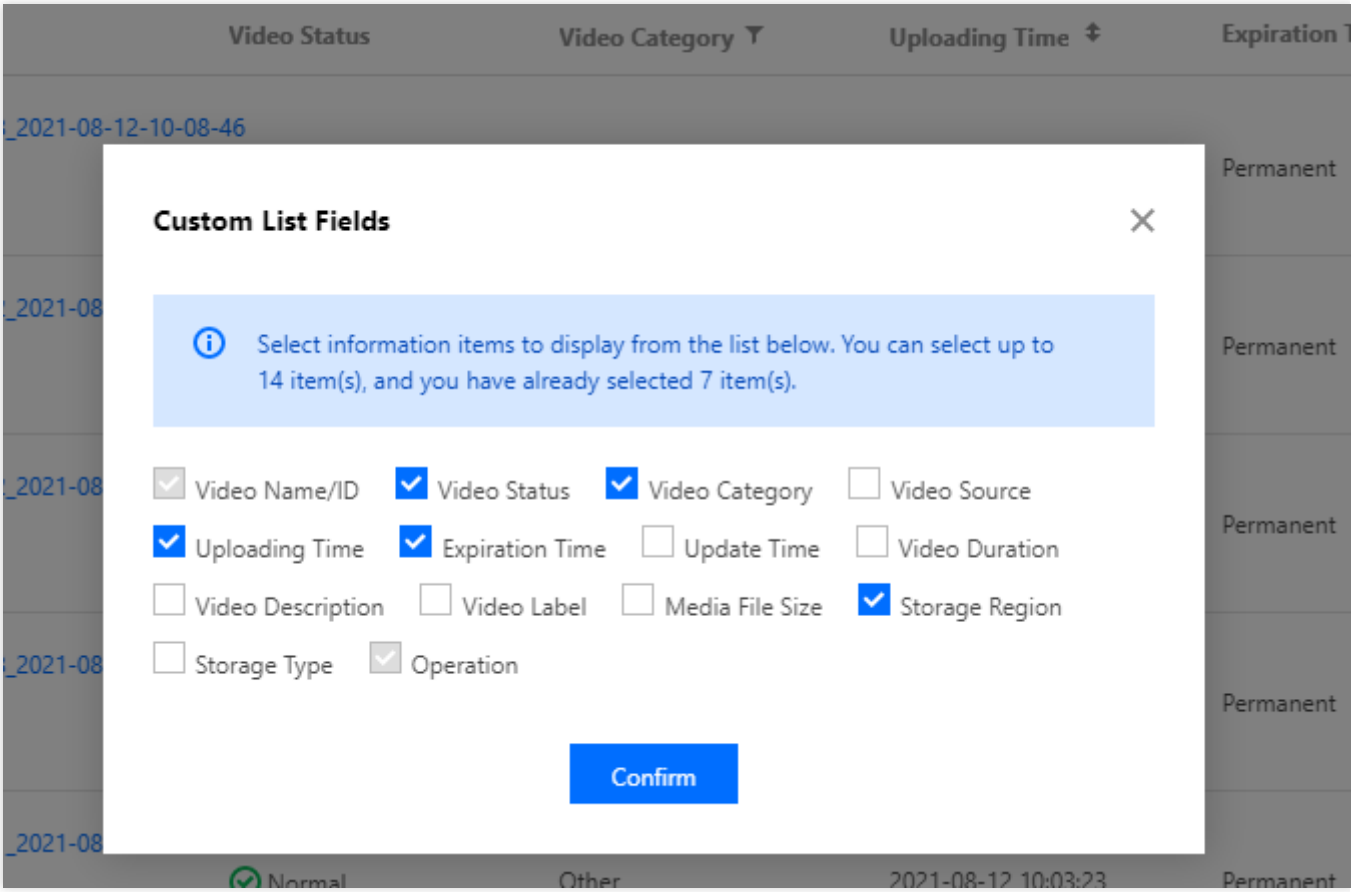
Last updated：2022-09-16 15:48:08

This document describes how to change the fields displayed in the audio/video list and export the list from the VOD console.

## Customizing the Audio/Video List

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video/Audio Management > Uploaded**
4. Click

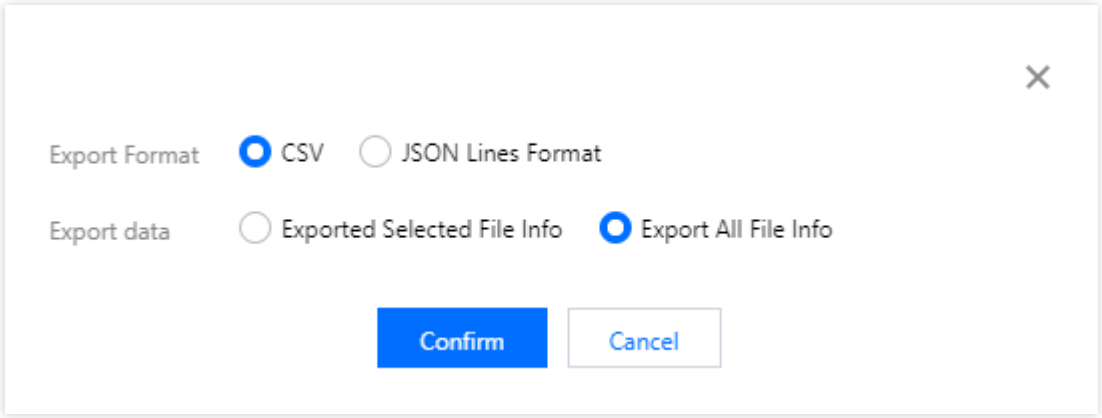
in the top right of the list, select the fields you want to display, and click **Confirm**. You can select up to 14 fields. **Video Name/ID** and **Operation** are selected by default.



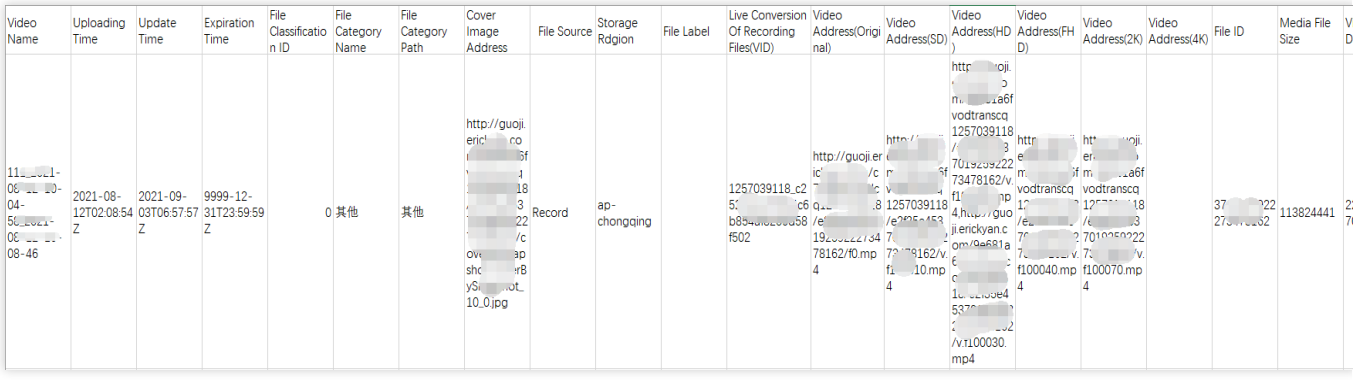
# Exporting the Audio/Video List

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Go to **Media Assets > Video/Audio Management > Uploaded**
4. Click

in the top right of the list, select an export format and the export data, and click **Confirm**. **Export All File Info** is selected by default.




5. You can choose to export the information of selected files or all files in CSV or JSON Lines format.
6. A CSV (Character Separated Values) file is a plain text file that stores table information. Below is an example of an exported CSV file:




| File Format | Fields (In Specified Order) |
| --- | --- |
| CSV | Media file name, creation time, last updated time, expiration time, category ID, category name, category path, thumbnail URL, source, storage, labels, live recording file (VID), file URL, file ID, file |

| | |
|---|---|
| | size, duration |

7. The JSON Lines format is used to store structured data that can be processed one record at a time. An exported JSON Lines file contains the following fields:

| File Format | Field | Description |
|---|---|---|
| JSON Lines | BasicInfo | Basic information such as file name, category, playback URL, and thumbnail |
| | MetaData | Metadata, such as size, duration, video stream information, and audio stream information |
| | TranscodeInfo | Transcoding output information, including the URLs, specifications, bitrates, and resolutions of the files generated |
| | AnimatedGraphicsInfo | The output information of animated image generation |
| | SampleSnapshotInfo | Sampled screenshot information |
| | ImageSpriteInfo | Image sprite information |
| | SnapshotByTimeOffsetInfo | Time point screenshot information |
| | KeyFrameDescInfo | Video keyframe descriptions |
| | AdaptiveDynamicStreamingInfo | Adaptive bitrate streaming information |
| | SubtitleInfo | Subtitle information |
| | FileId | The unique ID of a media file |
| | | |

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# Associating subtitles

Last updated：2022-06-20 11:14:58

This document describes how to bind subtitles to or unbind subtitles from an adaptive bitrate streaming template in the VOD console.

**Note:**

Subtitle binding is currently in beta testing and is free of charge.

You need to bind an adaptive bitrate streaming template to a video before you can bind subtitles to the video.

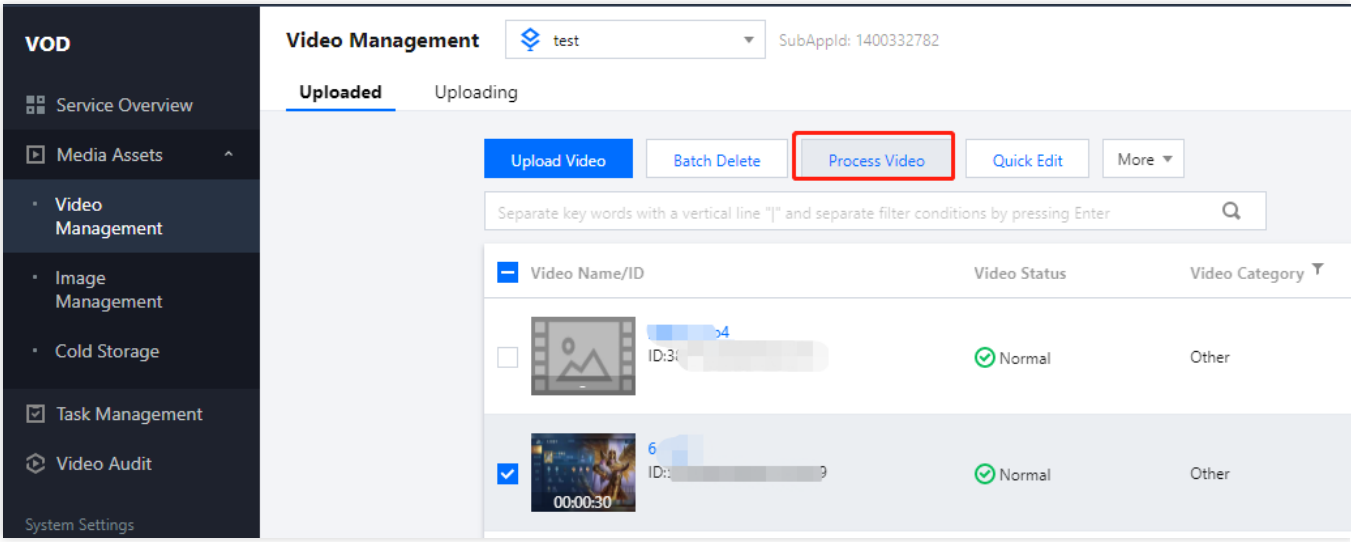
You may be charged for using other features (such as storage, transcoding, and video playback acceleration).

## Directions

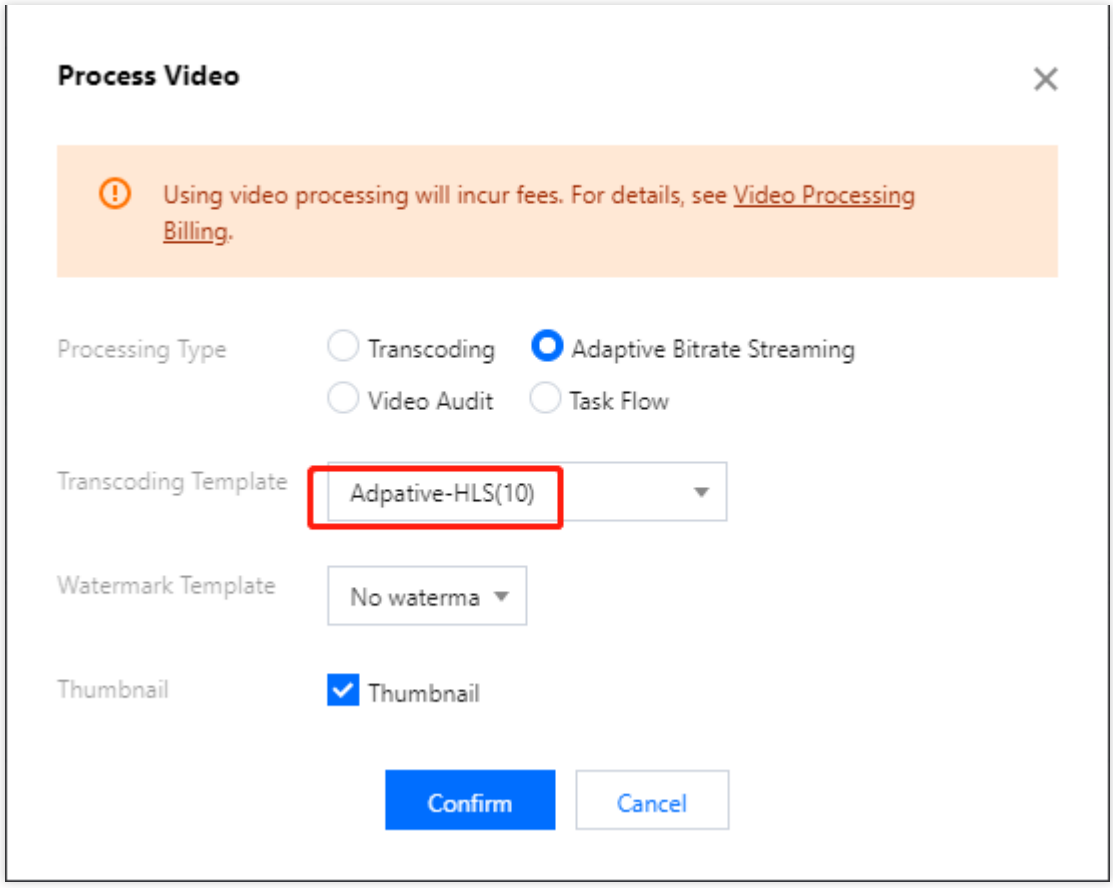
### Step 1. Bind an adaptive bitrate streaming template

1. Log in to the VOD console, select the target application, and select **Media Assets > Video Management** on the left sidebar.

2. Select the video you want to bind subtitles to and click **Process Video** above the list. A "Process Video" window appears.

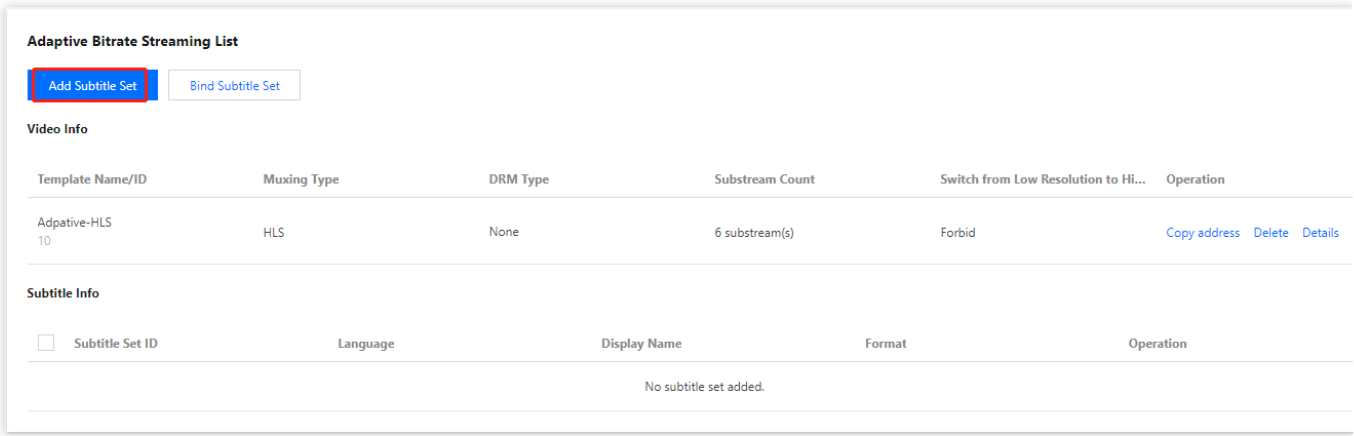


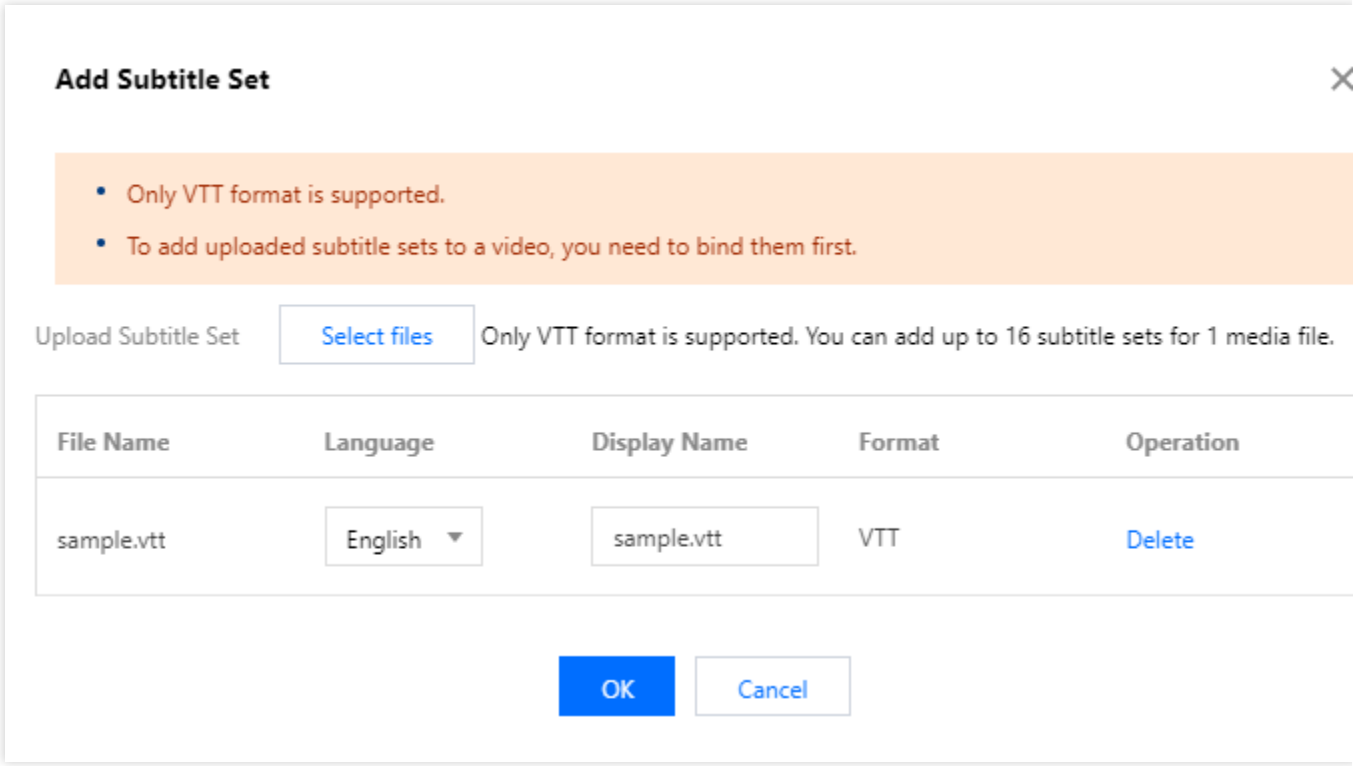

3. Select **Adaptive Bitrate Streaming** for **Processing Type**, select a template, and click **Confirm**.



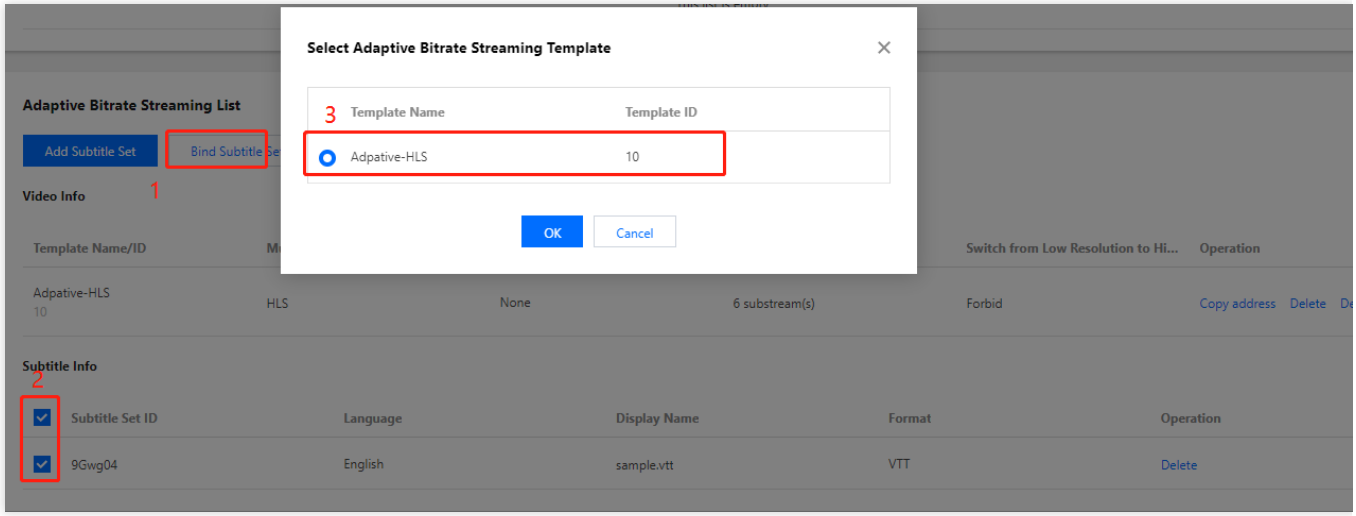

## Step 2. Bind subtitles

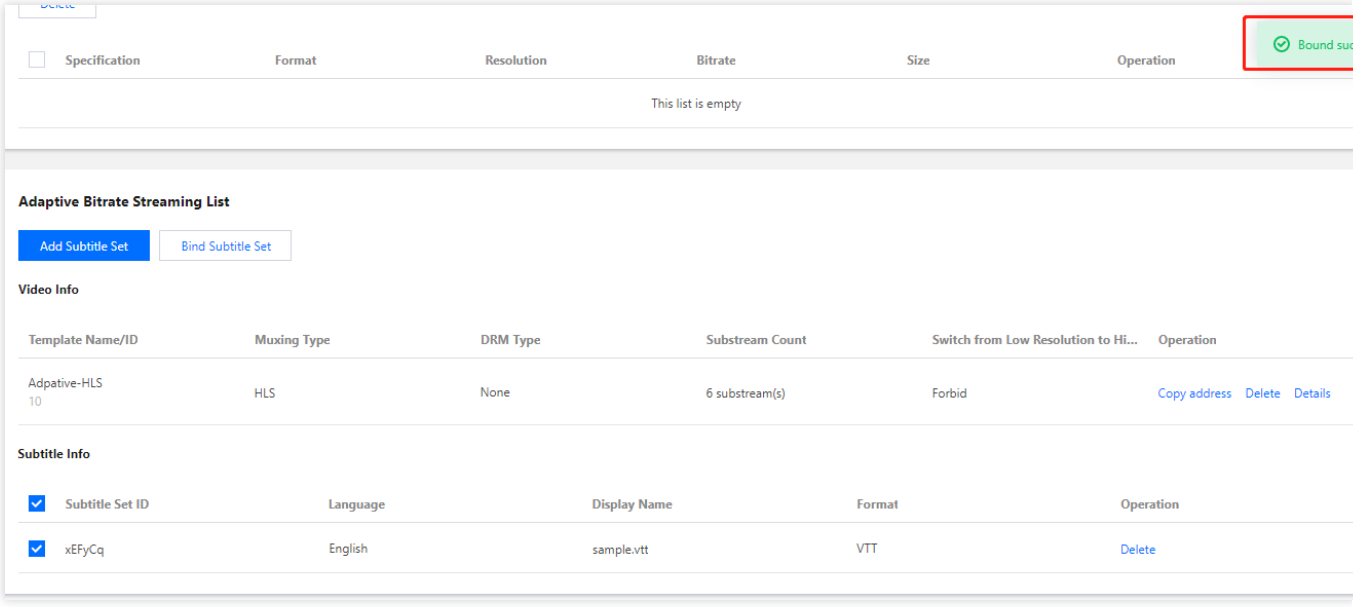
1. Click the name of the target video to go to the **Video Management** page. In **Adaptive Bitrate Streaming List** under the **Basic Info** tab, click **Add Subtitle Set**.





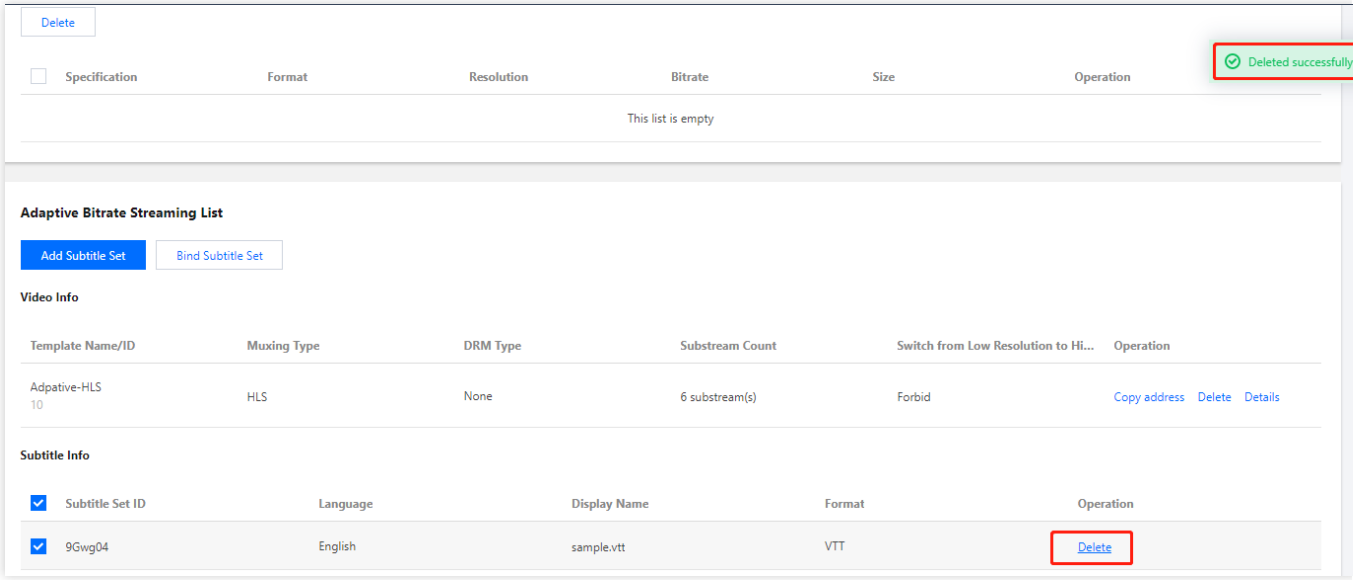

2. Select the subtitles you added and click **Bind Subtitle Set**. In the window that pops up, select an adaptive bitrate streaming template, and click **Confirm**.






**Note:**

Click **Delete** to unbind subtitles from an adaptive bitrate streaming template.

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# Image Management
# Uploading Image

Last updated：2022-05-26 11:25:23

## Overview

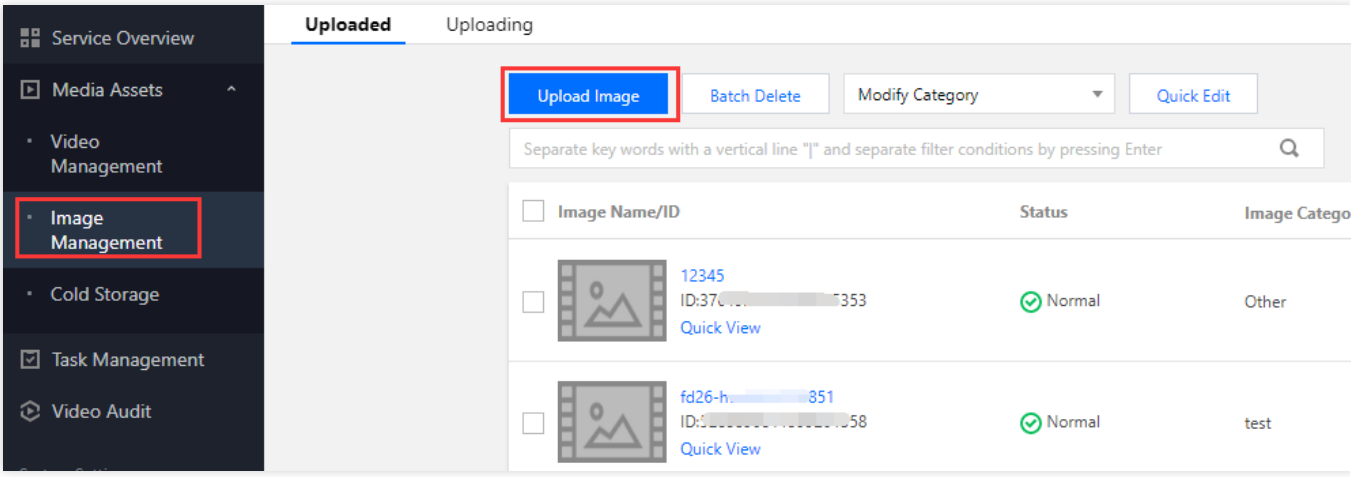
This document describes how to upload images through the VOD console, including local upload and image pull.

**Note:**

JPG, JPEG, PNG, GIF, BMP, TIFF, AI, CDR, and EPS formats are supported.

## Local Upload

1. Log in to the VOD console and select **Media Assets** > **Image Management**. The "Uploaded" page is displayed. Click **Upload Image** to enter the image upload page.




2. Select **Local Upload** to upload a local file to the console. Click **Select Image** to select a local image file or drag and drop the file into the upload list zone.

**Note:**

Batch upload is supported. You can upload up to 200 images at a time, and all the selected images will be displayed in the upload list.

In the upload list, you can check the filename and size of a selected image, modify its name and category, or delete it. Images and videos use the same set of categories.

3. Click **Upload** to start uploading the image.

# Image Pull

1. Log in to the VOD console and select **Media Assets** > **Image Management**. The "Uploaded" page is displayed. Click **Upload Image** to enter the image upload page.
2. Select **Pull Image** to pull an image from the image URL to the console.
3. Click **Add a Row** in the upload list section and enter the information of the source image to be uploaded. Each row represents an image. You can add multiple images by repeatedly clicking this button.
Image URL: enter the URL information of the source image.
Image Name: enter the name of the source image.
Image Category: select an image category.
4. Click **Pull Image** to start uploading the image.

**Note:**

It takes time to upload an image. You can view the upload progress in **Image Management** > **Uploading**. After images are successfully uploaded, you can view and manage all of them in **Image Management** > **Uploaded**.

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# Deleting Image

Last updated：2022-03-14 15:48:58

## Overview

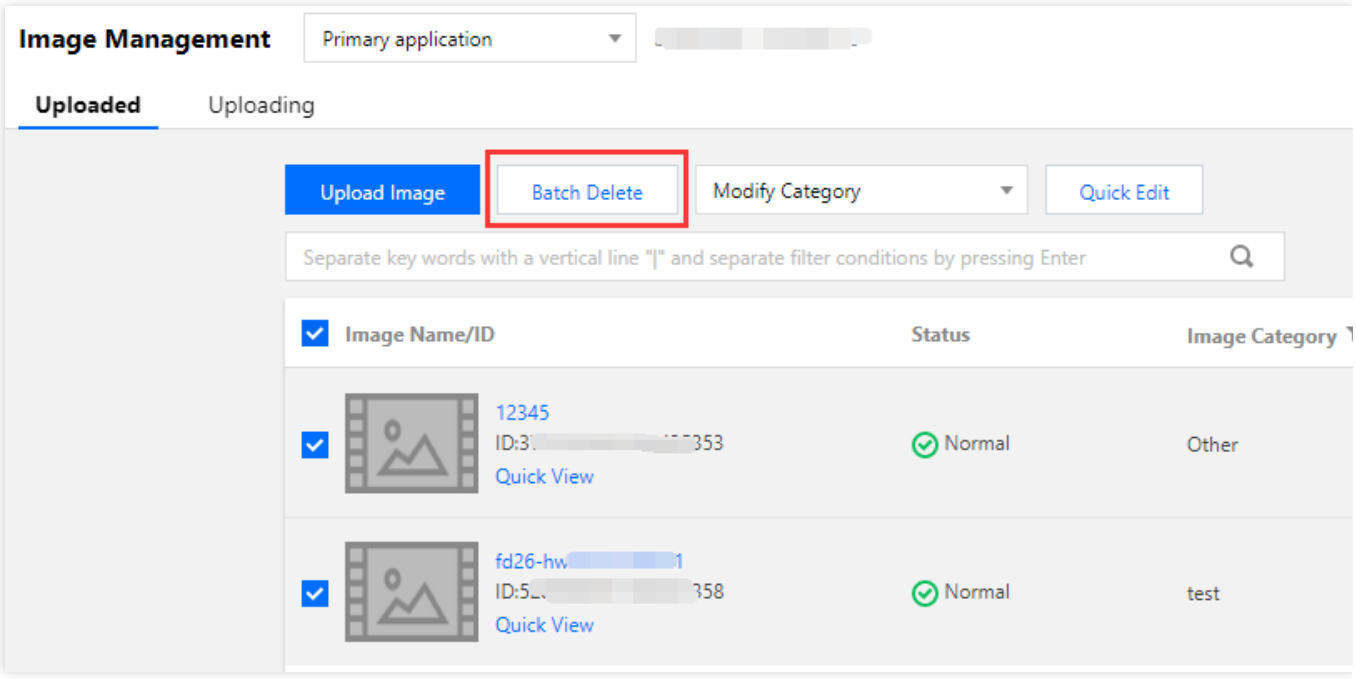
This document describes how to delete images in the VOD console.

**Note:**

Once deleted, an image will be completely removed from Tencent Cloud in a **non-recoverable** manner and be inaccessible from CDN nodes.

## Directions

1. Log in to the VOD console and select **Media Assets** > **Image Management**. The **Uploaded** page is displayed.
2. Select target image files and click **Batch Delete** above the list. In the pop-up window, click **Delete** to delete all the selected images.



# Modifying Image Category

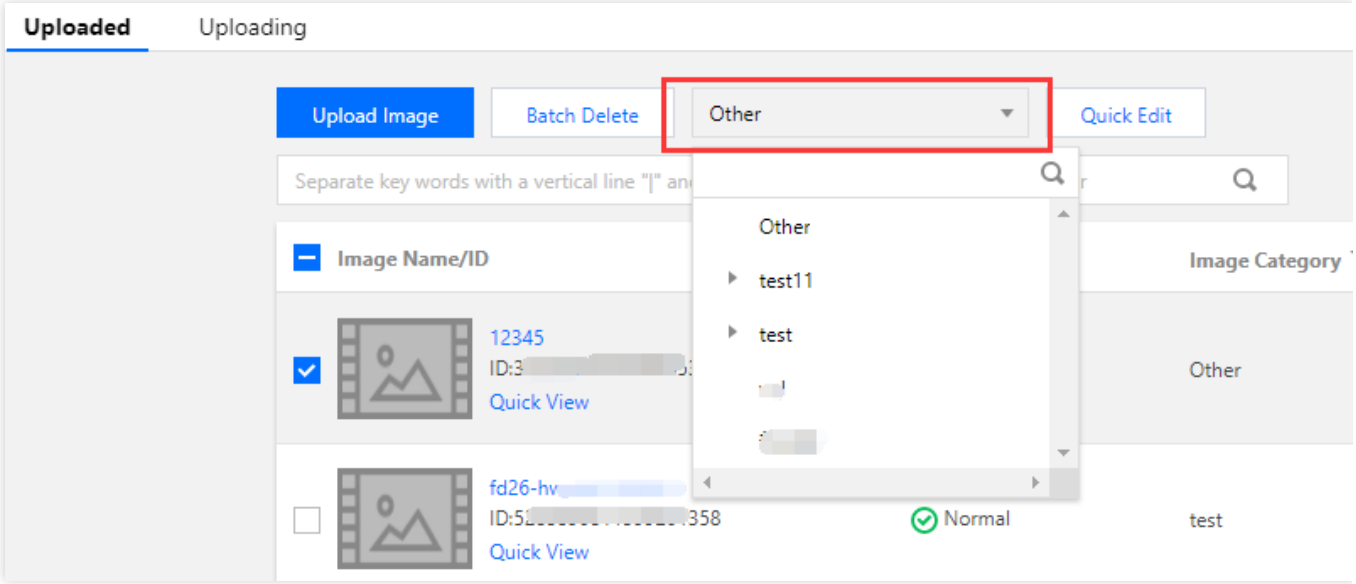
Last updated：2022-03-14 15:50:01

## Overview

This document describes how to modify image categories in the VOD console.

## Directions

1. Log in to the VOD console and select **Media Assets** > **Image Management**. The "Uploaded" page is displayed.
2. Select the target image, click **Modify Category** above the list, and select the category into which to put it.




**Note:**

Images and videos use the same set of categories.

For more information on how to manage categories, please see Category Management Directions.

# Managing Image

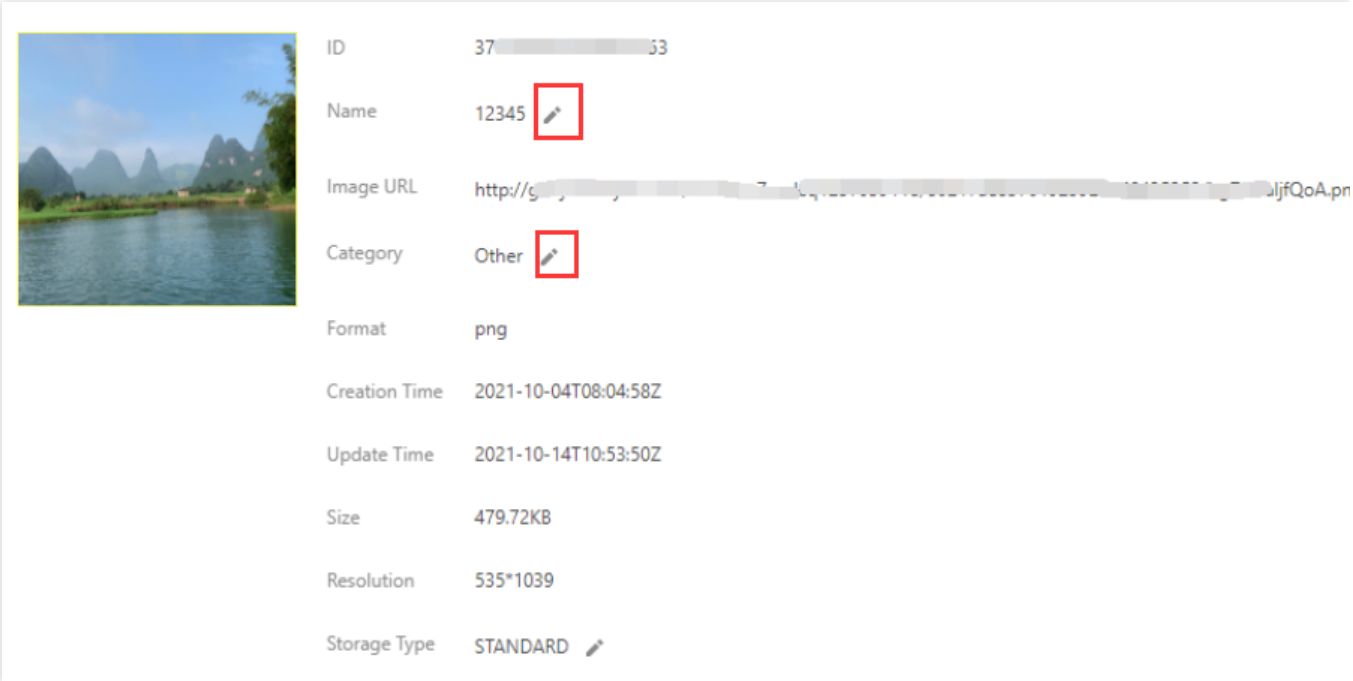
Last updated：2022-03-14 15:47:32

## Overview

This document describes how to manage images in the VOD console.

## Directions

1. Log in to the VOD console and select **Media Assets** > **Image Management**. The "Uploaded" page is displayed.
2. Click **Manage** in the "Operation" column of the target image to enter the corresponding management page, where you can view the details of the image, rename it, and edit its category.



# Real-Time Image Processing

Last updated：2022-12-01 16:33:03

## Overview

This document shows you how to create a template in the VOD console to process images in real time. The processing is based on URLs, which allows quick image generation.

**Note:**

The original image cannot be larger than 32 MB. Its dimensions cannot exceed 30,000 pixels and its resolution cannot exceed 250 million pixels. The dimensions of the output image cannot exceed 9,999 pixels.

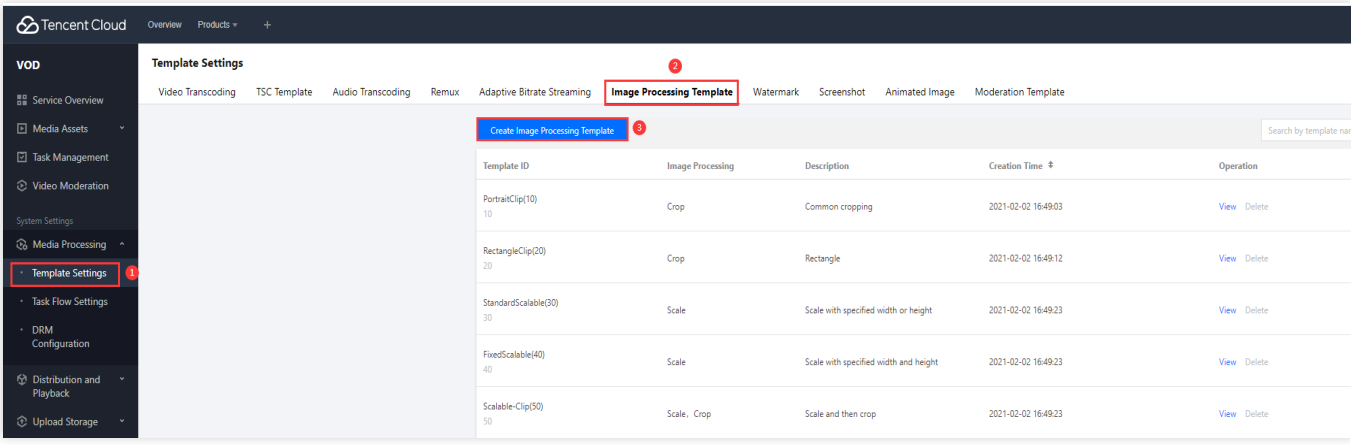
## Directions

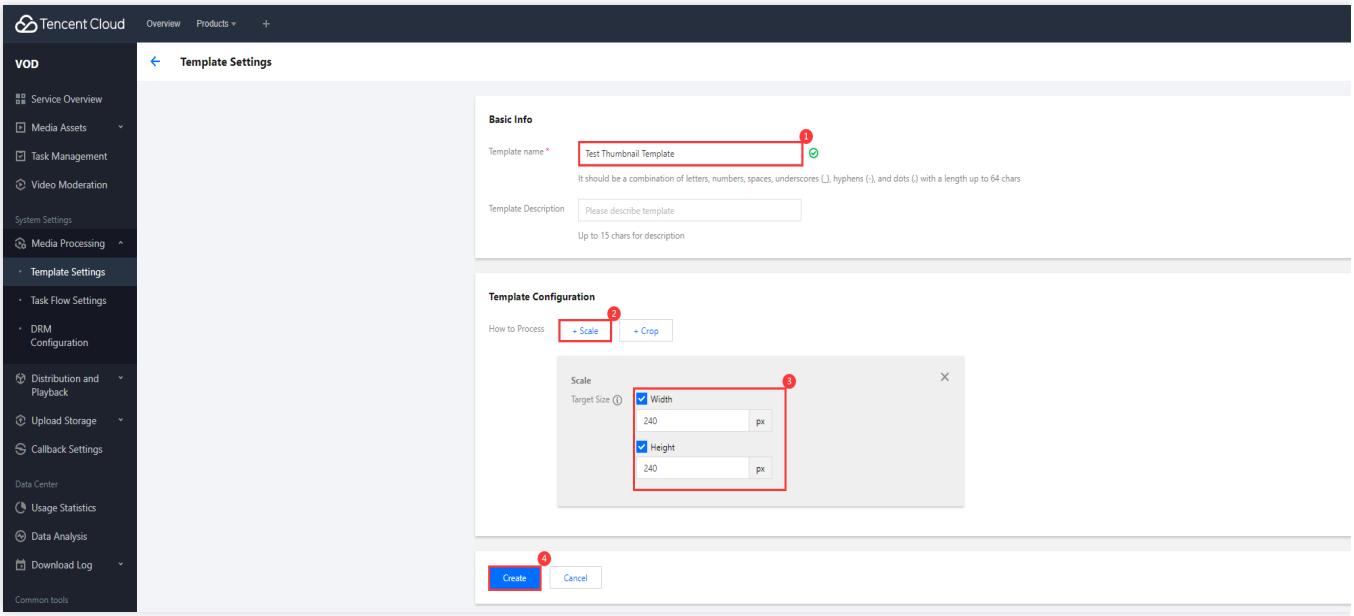
### Step 1. Upload images

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Find the target application and click its name.
3. By default, you will be directed to **Media Assets > Video/Audio Management > Uploaded**.
4. Select **Image Management** on the left sidebar and click **Upload Image** to upload an image.

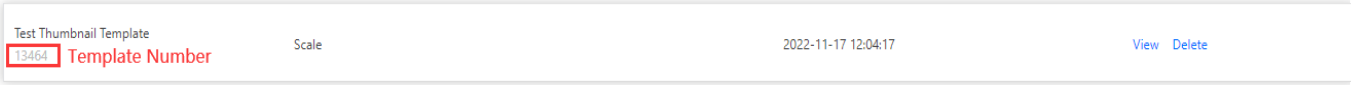
### Step 2. Create a template

1. Select **Media Processing > Template Settings** on the left sidebar and click **Image Processing Template**.
2. In addition to the preset templates listed on the page, you can also create your own template. The screenshots below show how to create a template to generate 240 x 240 thumbnails.






3. After a template is created successfully, it will appear in the template list, and a template ID will be generated for it.




## Step 3. Learn about URL-based image processing

VOD processes images based on URLs.

**URL of the processed image = URL of the original image + Separator + Image template ID + "." + Output image format**

URL of the original image: The accelerated URL generated after an image is uploaded to VOD.

Separator: !

Output image format: JPG, JPEG, PNG.

## Step 4. Learn about the processing types

There are two processing types: scaling and cropping.

| Type | Operation |
| --- | --- |
| Scaling | Width: Specified; height: Auto-scaled |
| | Height: Specified; width: Auto-scaled |
| | Long side: Specified; short side: Auto-scaled |
| | Short side: Specified; long side: Auto-scaled |
| | |

| | |
|---|---|
| | Width: Specified; height: Specified |
| Cropping | Cropping to circle, with the radius specified |
| | Cropping to rectangle, with height and width specified |

**Examples for scaling**

**Width: Specified; height: Auto-scaled**

Template ID: 13290; width: 700; output format: PNG.

The URL of the processed image is:

`https://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/0f9d472c387702299328320141/Cov1ATJ3AYYA.jpg!13290.PNG`

Result:

**Height: Specified; width: Auto-scaled**

Template ID: 13291; height: 700; output format: PNG.

The URL of the processed image is:

`http://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/0f9d472c387702299328320141/Cov1ATJ3AYYA.jpg!13291.PNG`

Result:

**Long side: Specified; short side: Auto-scaled**

Template ID: 13292; long side: 300; output format: PNG.

The URL of the processed image is:

```
https://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/0f9d472c38770229932832
0141/Cov1ATJ3AYYA.jpg!13292.PNG
```

Result:

**Short side: Specified; long side: Auto-scaled**

Template ID: 13293; short side: 300; output format: PNG.

The URL of the processed image is:

`https://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/0f9d472c38770229932832 0141/Cov1ATJ3AYYA.jpg!13293.PNG`

Result:

**Width: Specified; height: Specified**

Template ID: 13294; height: 300; width: 300; output format: PNG.

The URL of the processed image is:

`https://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/0f9d472c38770229932832 0141/Cov1ATJ3AYYA.jpg!13294.PNG`

Result:

### Examples for cropping

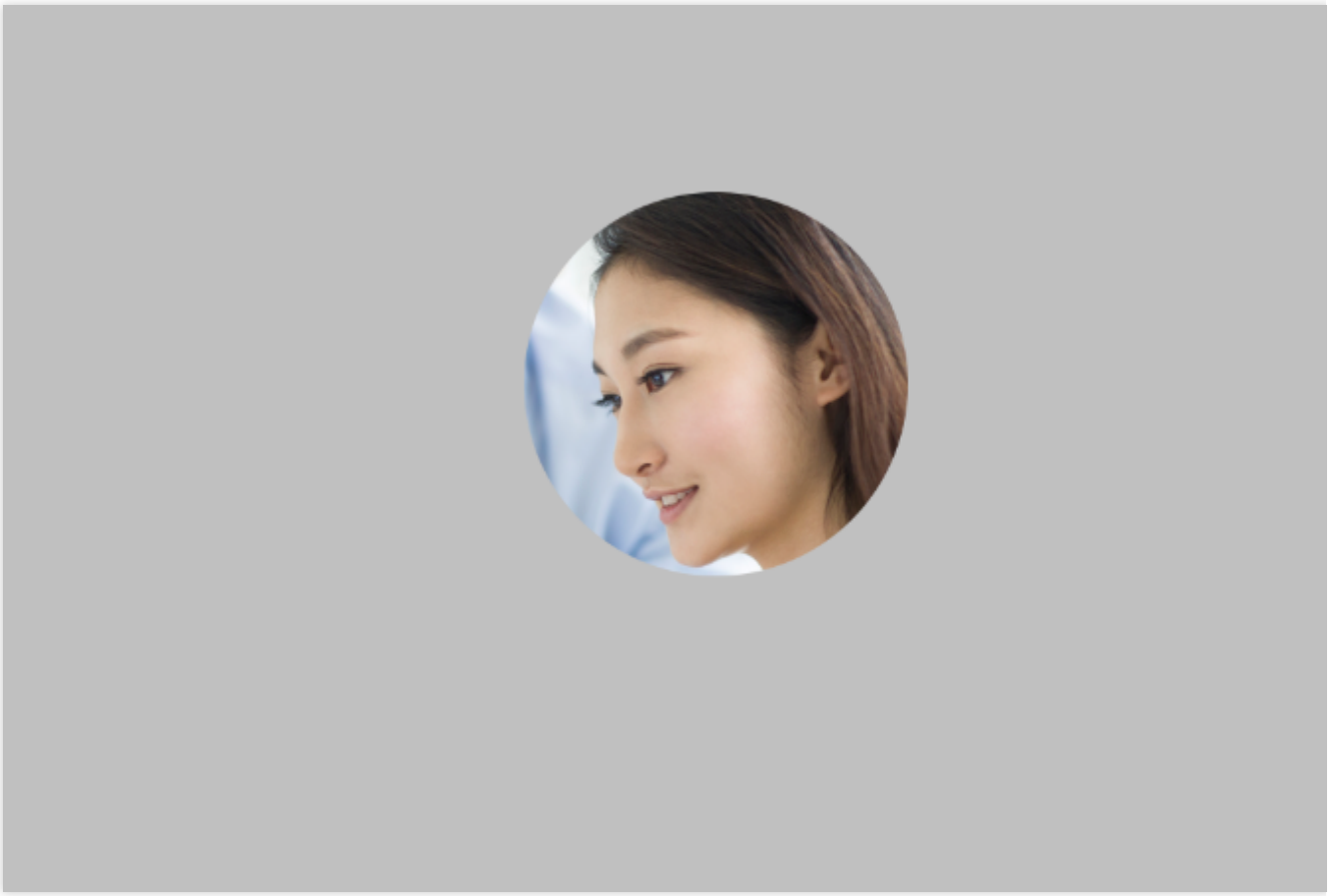
#### Cropping to circle

Template ID: 13295; radius: 300; output format: PNG.

The URL of the processed image is:

`http://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/182b0f2a387702299461251102/EOy4fI1V8gQA.jpg!13295.PNG`

Result:



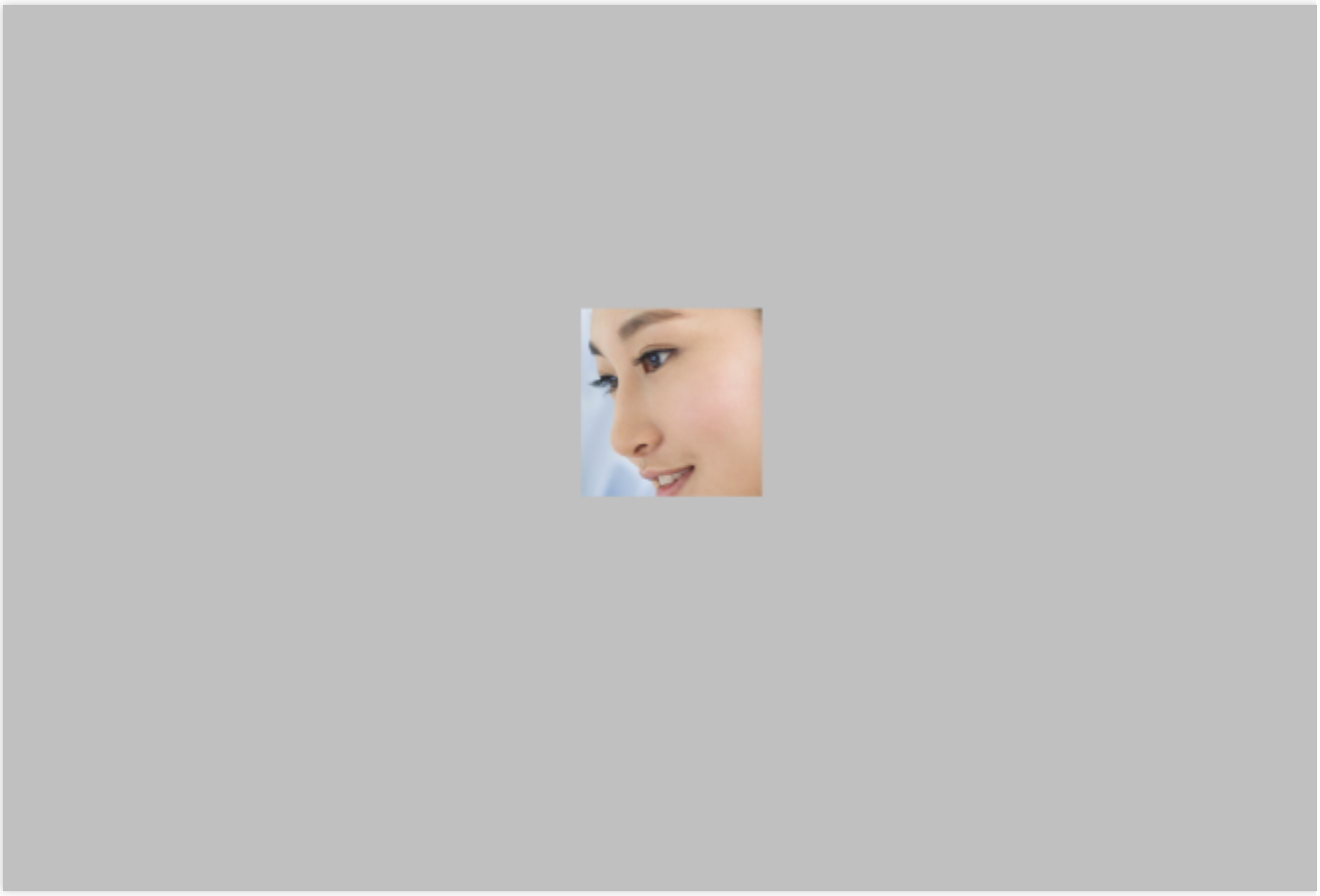
**Cropping to rectangle**

Template ID: 13296; output height: 300; output width: 300; output format: PNG.

The URL of the processed image is:

`http://1500012191.vod2.myqcloud.com/6caaa776vodcq1500012191/23c473bb387702299461744409/HVSbBfQq3JgA.jpg!13296.PNG`

Result:



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# Image Moderation

Last updated：2023-04-17 15:01:47

## Overview

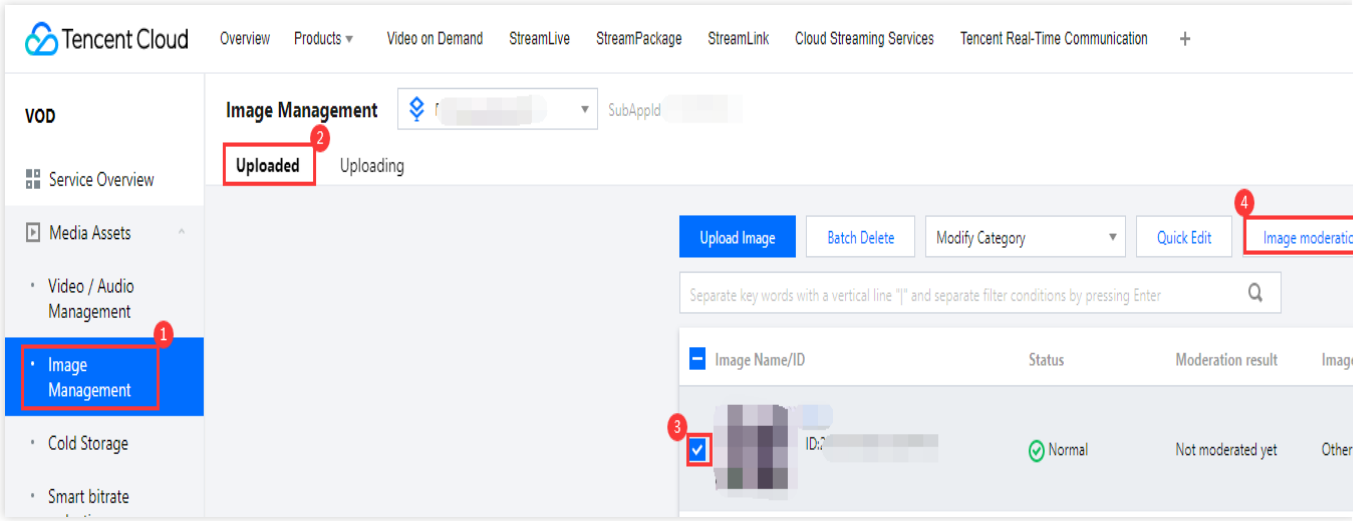
Image moderation is a synchronous task. You will get the result immediately after initiating an image moderation task in the VOD console.

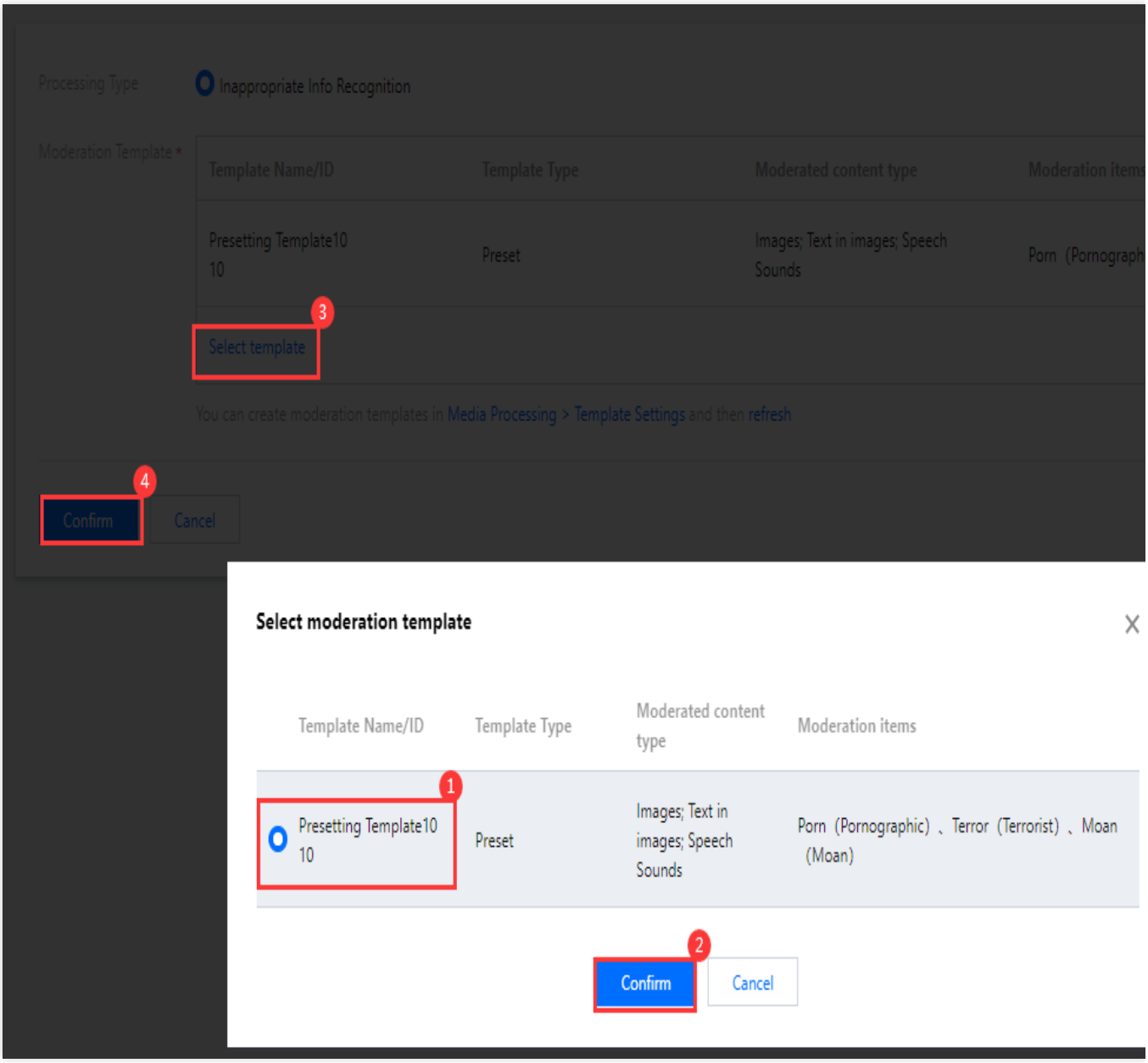
## Directions

### Starting an image moderation task and getting the result

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. Select **Media Assets > Image Management** on the left sidebar.

Start an image moderation task as shown below:






The page will display the moderation result immediately.

**Moderation result**: Whether the image is non-compliant.

**Moderation item**: The moderated content types and the moderation labels.

**Operation**: You can moderate the image again or delete the image.

**Note:**

Deleting an image will delete all files associated with the file ID.

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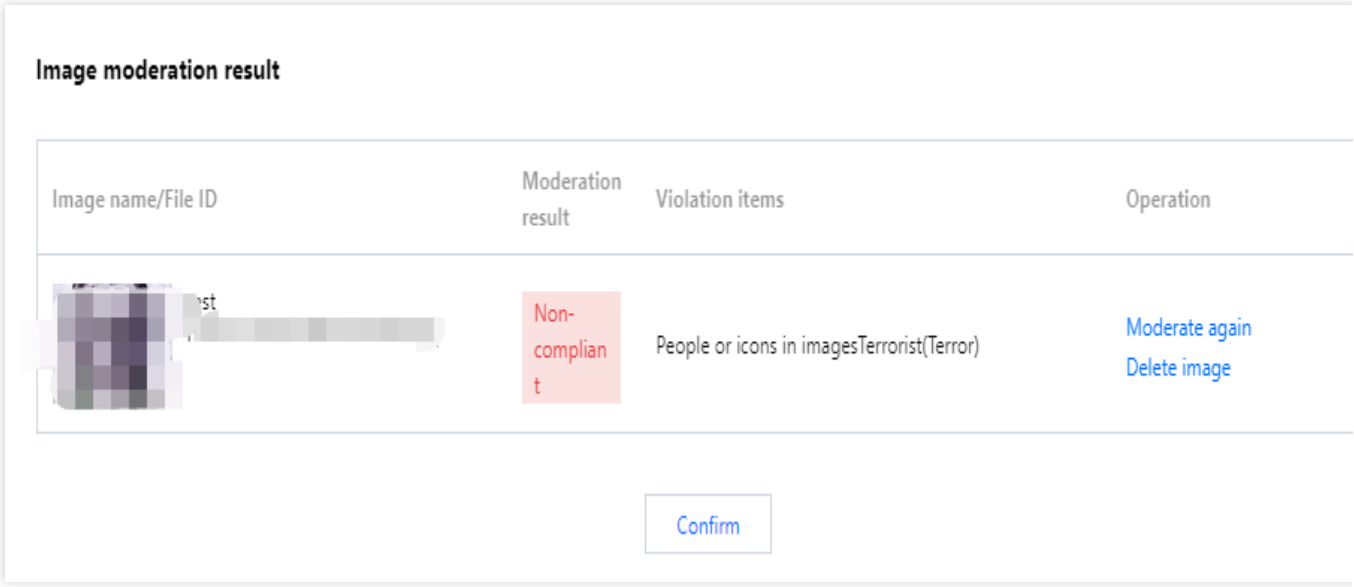
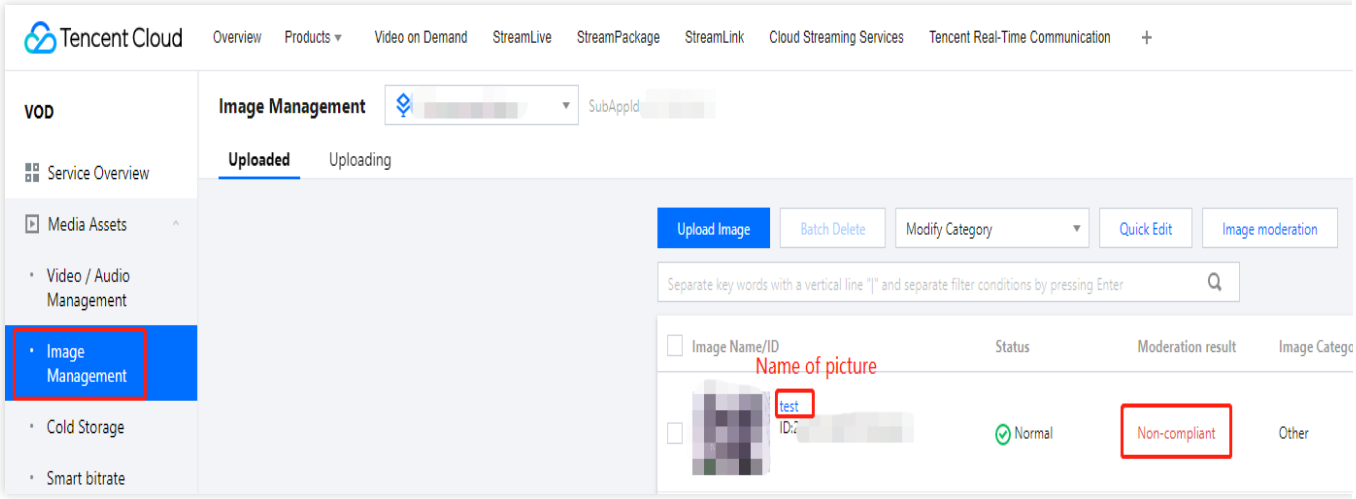



## Viewing moderation results

The last moderation result of an image is saved to VOD's media asset system persistently. You can view the result in the console.

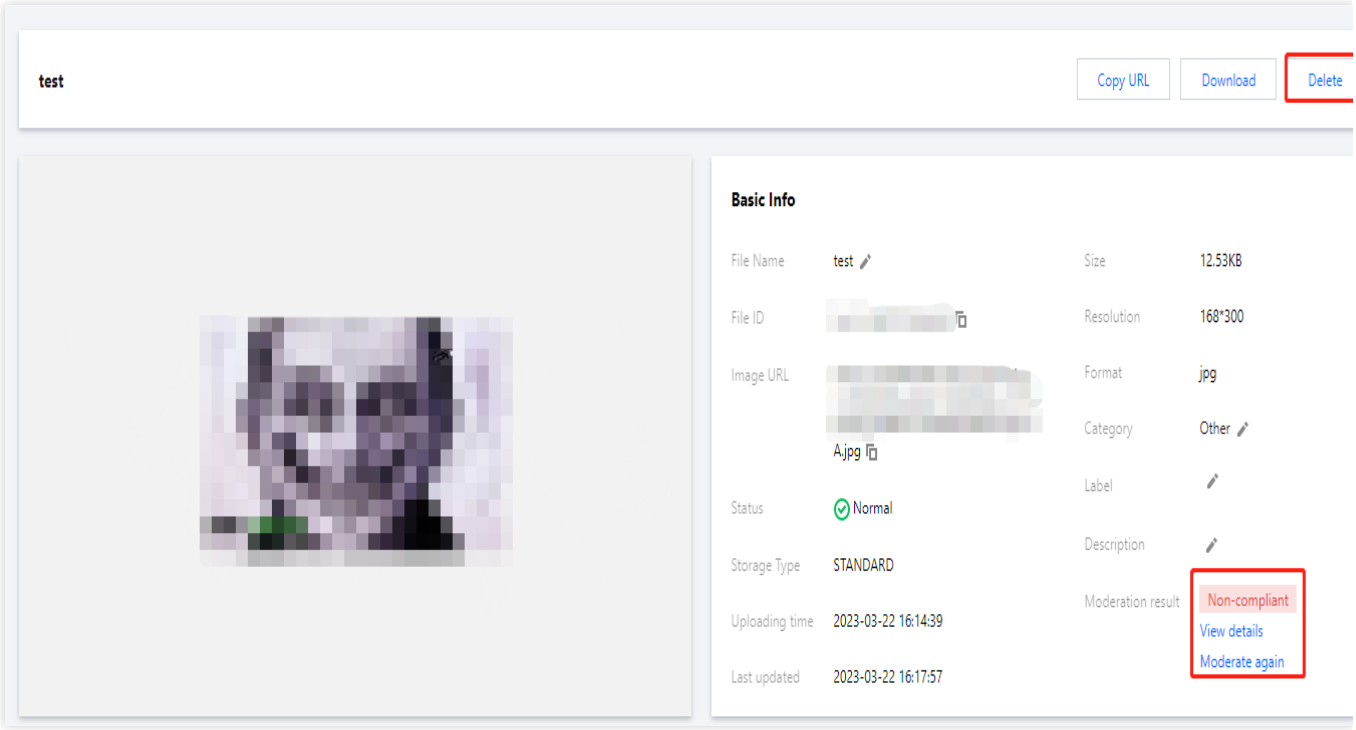
1. Select **Image Management** on the left sidebar. Find the target image.

**Moderation result** shows the result from the image's latest moderation task.




2. Click the name of the image to enter the details page.

The **Basic Info** section also shows the moderation result. On this page, you can also view the moderation details, moderate the image again, or delete the image.




**Note:**

Deleting an image will delete all files associated with the file ID.

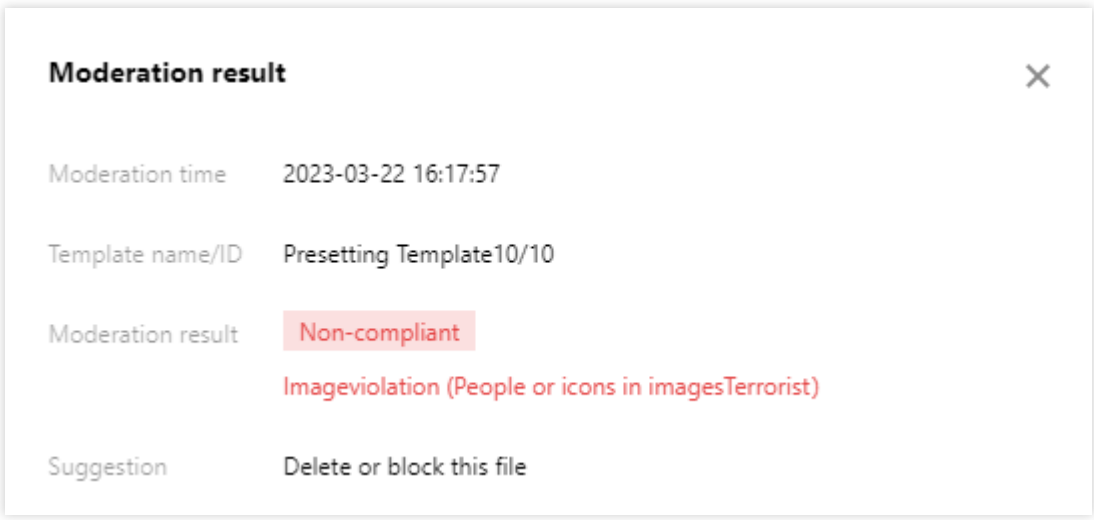
3. Click **View details**. The pop-up window shows the details of the image's last moderation task.

**Moderation time**: The time when the moderation task was started.

**Template name/ID**: The name/ID of the moderation template used.

**Moderation result**: The moderation result and the violation details.

**Suggestion**: The suggestion for handling the image.



# Cold Storage

Last updated：2024-12-11 16:54:51

## Overview

You can perform cold storage operations on VOD resources in the VOD console. We offer support for the automatic execution of cold storage (modifying storage type) operations in accordance with predefined policies, as well as the capability to manually select FileID for batch cooling on demand.

**Note:**

When you perform cold storage for media assets, it will take effect for all files under the `FileId`, including files related to transcoding, adaptive bitrate streaming, and screencapturing.

## Custom Rule-based Cold Storage Policy

Log in to the Tencent Cloud VOD Console, select Application Management, and enter the chosen application. Then, navigate to **Video/Audio Management** > Cold Storage to access the Cold storage policy management page.

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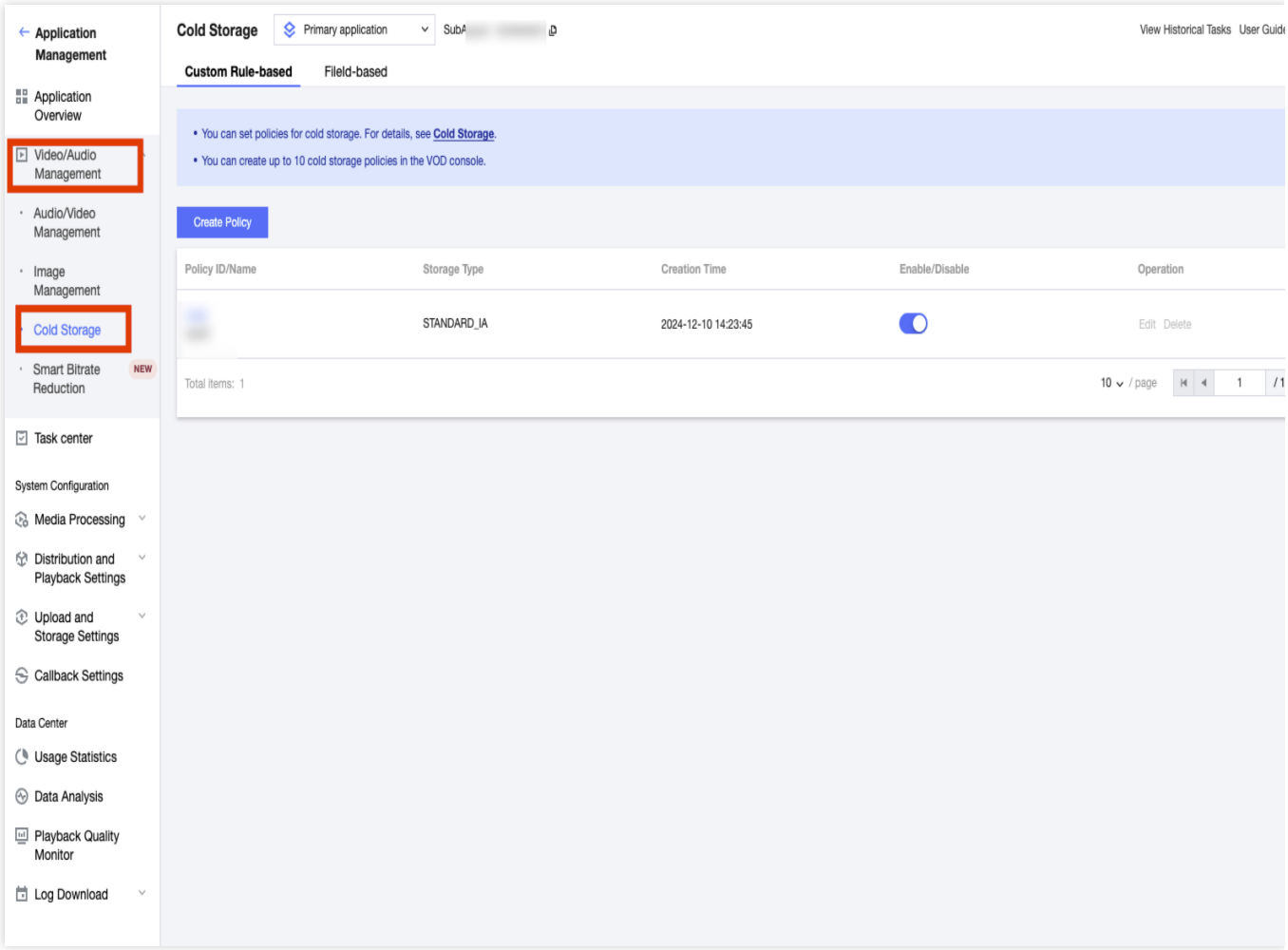


| Attribute | Description |
| --- | --- |
| Policy ID/Name | Unique identifier of a media asset cold storage policy in VOD. You can set cold storage rules by adding or editing a cold storage policy. |
| Storage Type | Storage class of a media asset after cold storage based on the policy, including STANDARD_IA, ARCHIVE, and DEEP_ARCHIVE. |
| Creation Time | Time when the policy is created. |
| Enabled/Disabled | Whether the policy is enabled. |
| Operation | Policies can be disabled and deleted. |

**Note:**

You can create up to 10 custom rule-based cold storage policies under an account.

Enabled cold storage policies will be executed **at 00:00 every day for all storage data under the current application**.

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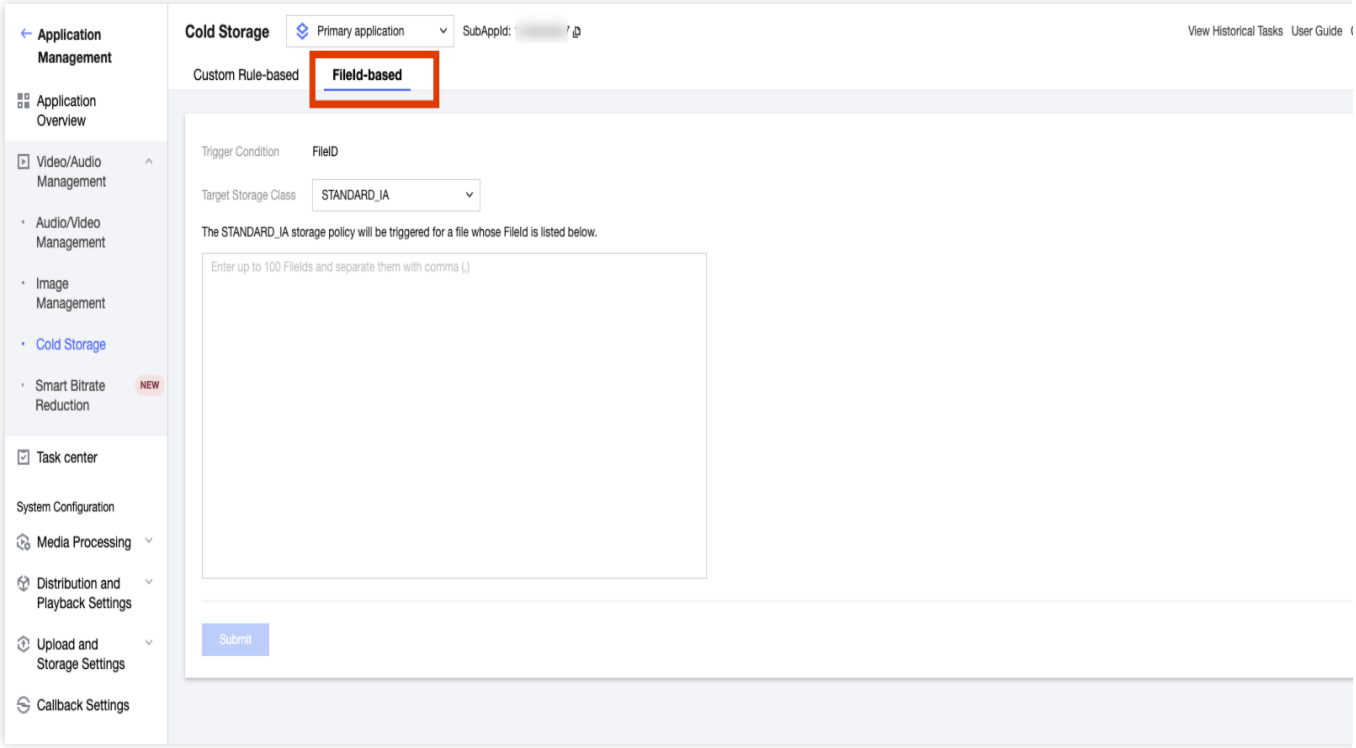
If multiple cold storage policies hit a media asset at the same time, the media asset will be stored in the following priority order: DEEP_ARCHIVE > ARCHIVE > STANDARD_IA.

## FileId-based Cold Storage

Log in to the Tencent Cloud VOD Console, select Application Management, and enter the chosen application. Then, navigate to **Video/Audio Management** > Cold Storage and click the **FileId-based** tab. You can trigger cold storage by `FileId`.

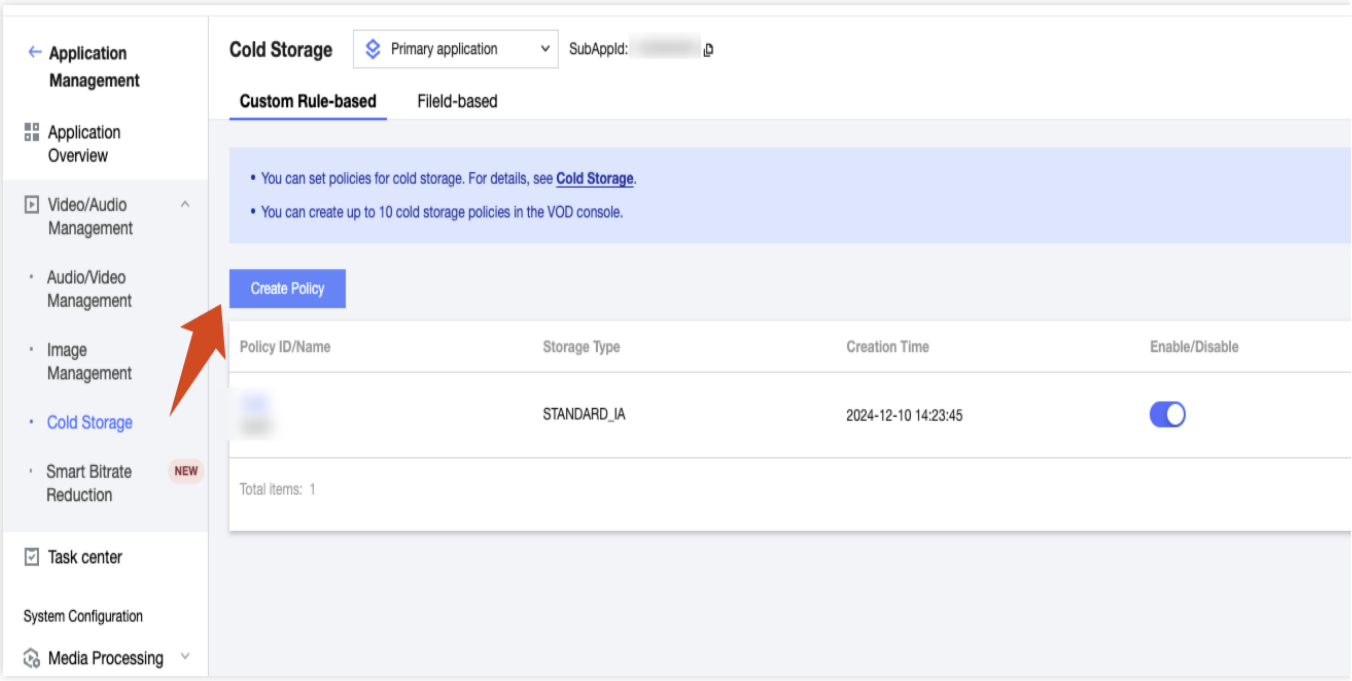



**Note:**

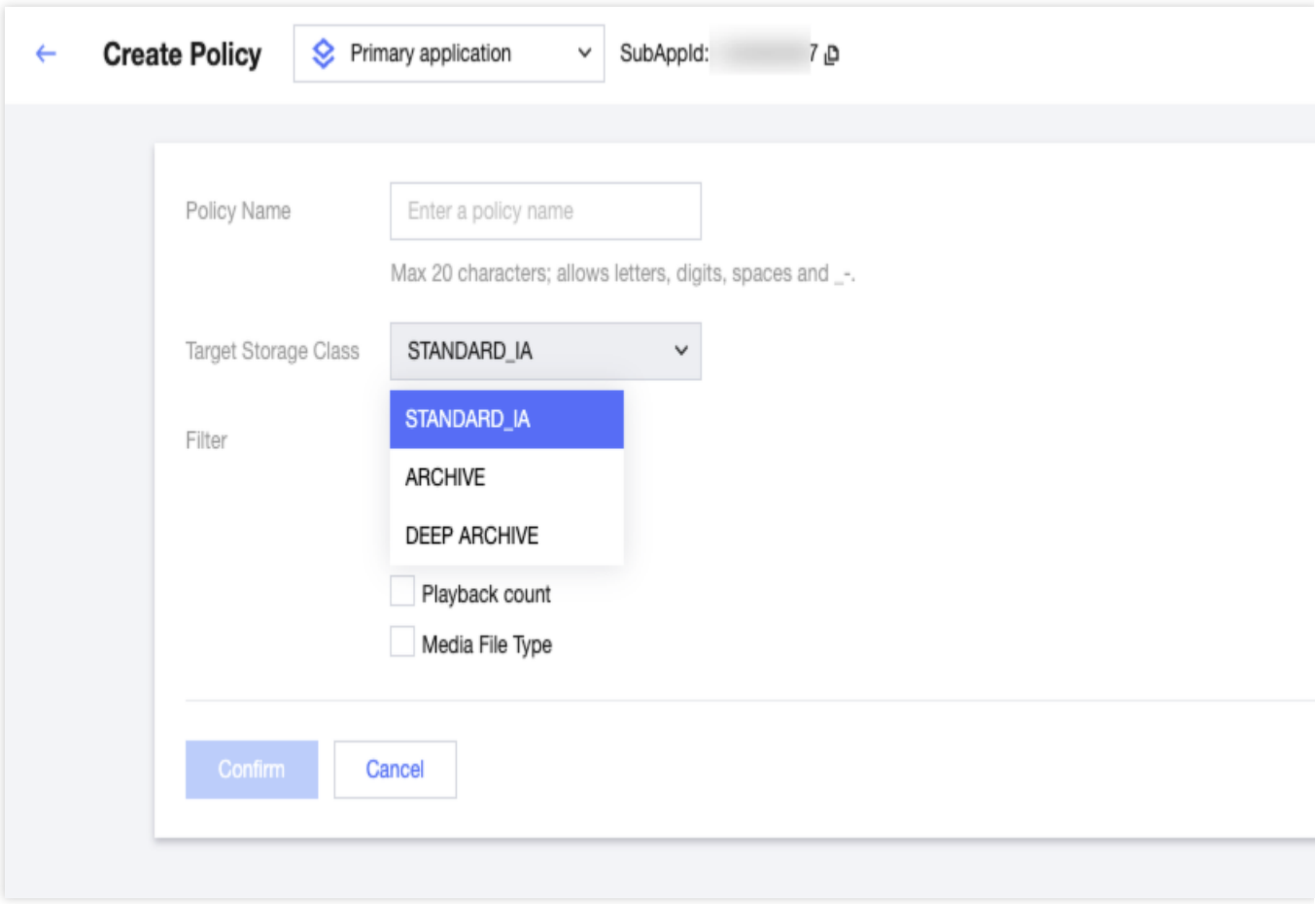
FileId-based cold storage supports up to 100 `FileId` values at a time.

## Creating Custom Rule-based Cold Storage Policy

1. Click **Create Policy** and enter the policy name, which can contain up to 20 letters, digits, spaces, underscores, hyphens, and dots.




2. Cold storage policy: the final storage class of a media asset file based on the cold storage policy, which supports only one storage class.




3. Policy configuration: you can configure different policies to implement the cold storage logic.

Time: you can specify the upload time and storage time.

Specify upload time: you can configure a cold storage policy by specifying a time point/period.

Specify time point/period: if no start time point is specified, the oldest stored video file will be cold stored by default. If no end time point is specified, all video files after the start time point will be cold stored. If neither is specified, all video files in VOD will be cold stored.

Specify storage time: a media asset will be cold stored after the entered time elapses.

Category: cold storage by category ID is supported. You can set multiple category IDs/names.

Source: cold storage is supported for different media sources. You can set multiple media sources.

Access policy: it can be set by setting the number of times to play back the video during a period of time. A cold storage policy supports only one access policy.

Media type: whether to perform the cold storage logic will be determined based on the media type. A cold storage policy supports only one media type.

4. After the policy is created, you need to enable it manually. After enabled, cooling down operations are executed daily at 00:00.

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# Smart Bitrate Reduction

Last updated：2023-04-20 12:08:49

## Overview

You can configure smart bitrate reduction policies in the VOD console to automatically reduce the bitrate of media files that meet the specified conditions.

**Note**

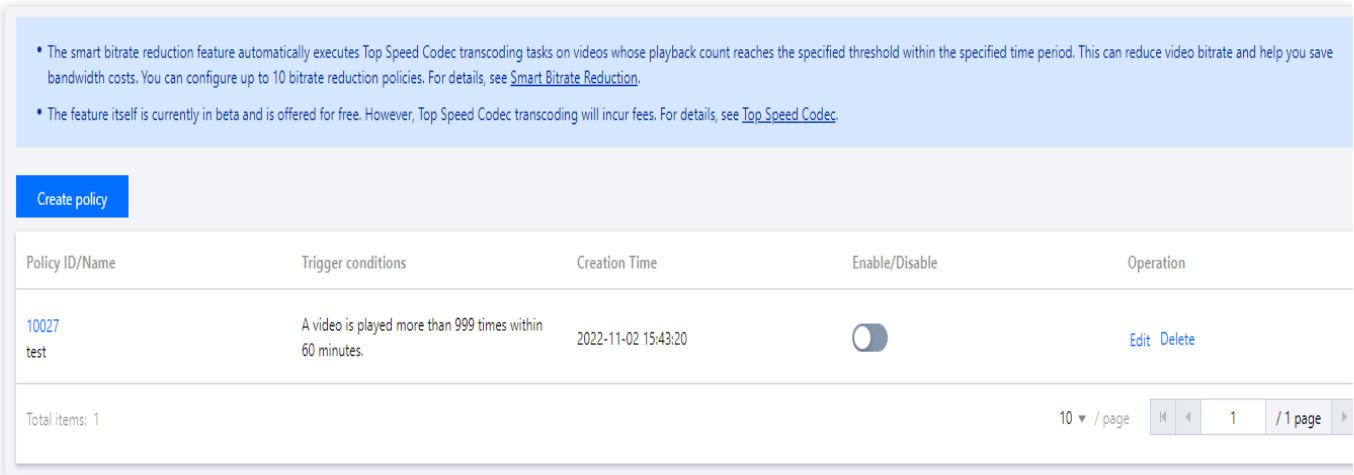
Smart bitrate reduction works on a file ID level. If a media file meets the conditions of a bitrate reduction policy, the policy will be applied to all its transcoding and adaptive bitrate outputs in HLS format (which have the same file ID).

Smart bitrate reduction (TSC transcoding) does not work on files whose bitrates have already been reduced.

Bitrate reduction policies are not applied to transcoding and adaptive bitrate outputs generated before September 19, 2022.

## Configuring Policies

1. Log in to the VOD console and select **Media Assets > Smart Bitrate Reduction** on the left sidebar.




2. Click **Create policy**.

3. Enter a **policy name** and specify the **trigger conditions**:

**Playback count**: Specify the playback count threshold (how many times a file is played within a certain time period).

**Video label**: Specify the video labels. The policy will only be applied to videos that have the specified labels.

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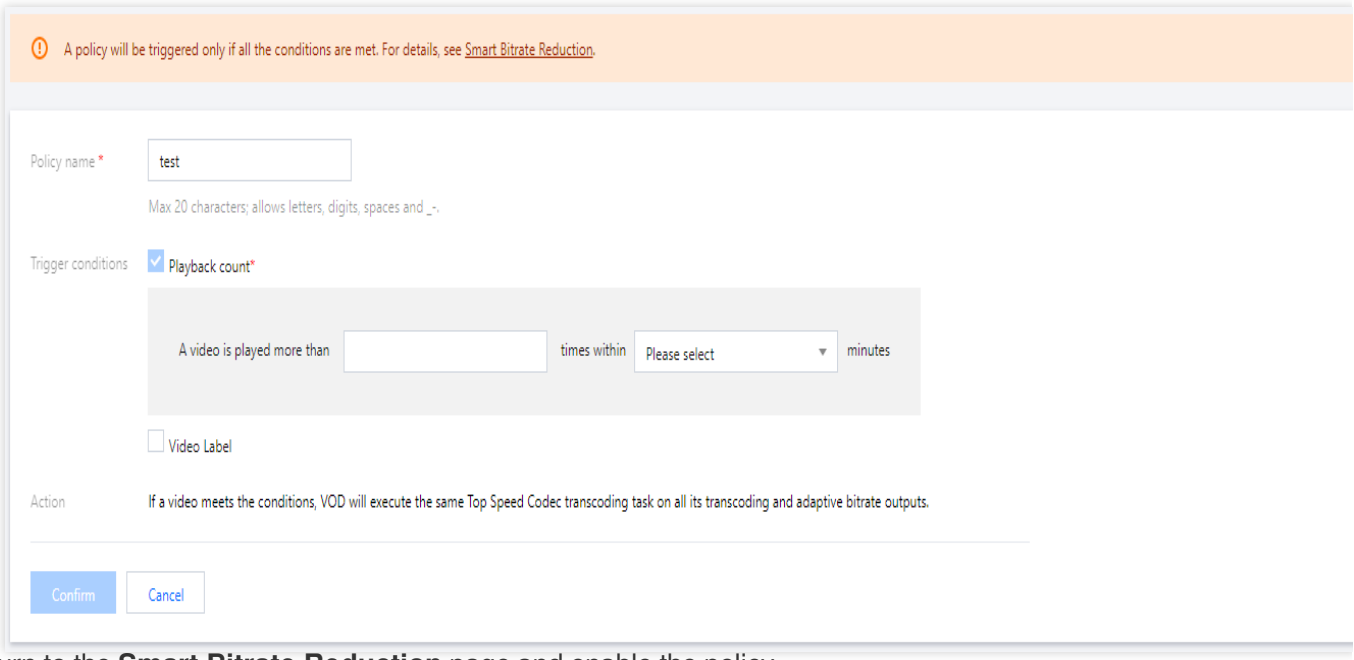
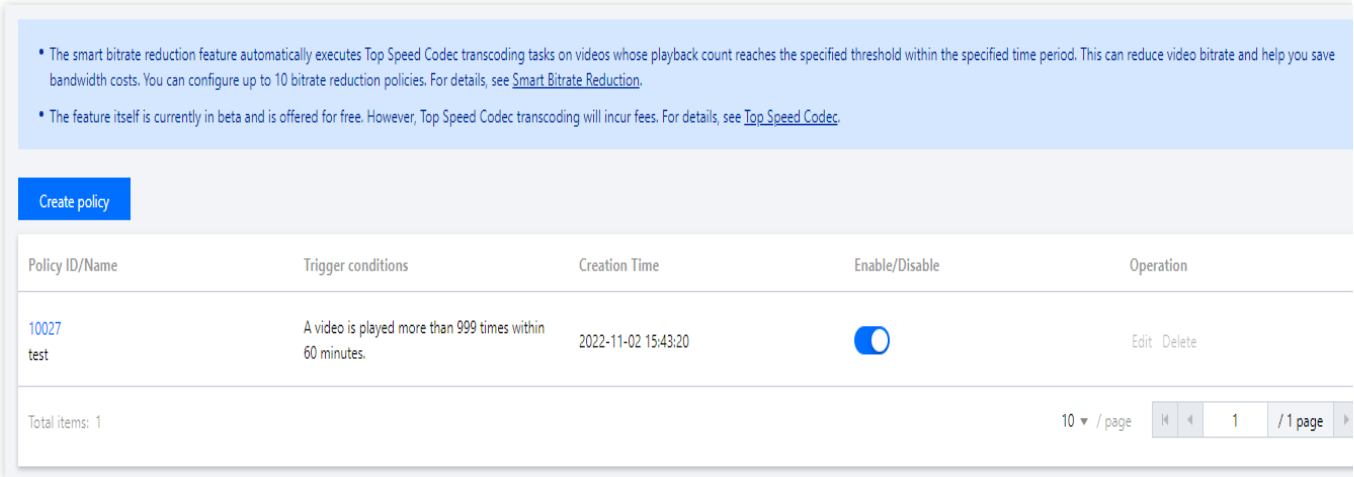



4. Return to the **Smart Bitrate Reduction** page and enable the policy.




5. After the policy is enabled, VOD will execute bitrate reduction tasks automatically on files that meet the conditions of the policy.

**Note:**

The ProcedureStateChanged callback notifies you about the progress of bitrate reduction tasks.

# Task Management

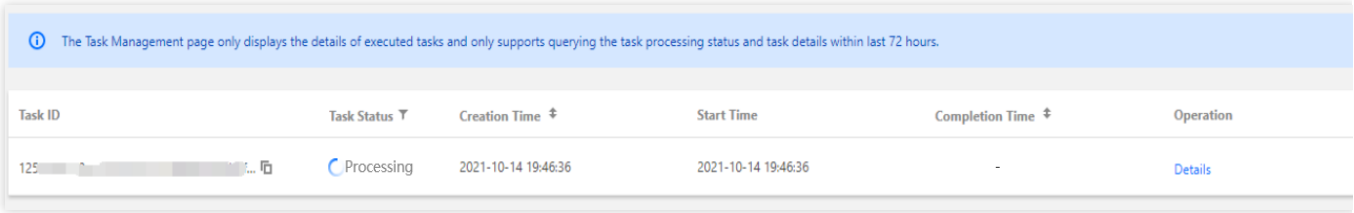
Last updated：2022-03-14 15:51:51

## Overview

In **Task Management**, you can view the progress and details of your VOD tasks. The **Task Management** page only displays the details of executed tasks and only supports querying task status and details within the last 72 hours.

### Basic task information

Log in to the VOD console and click **Task Management**.

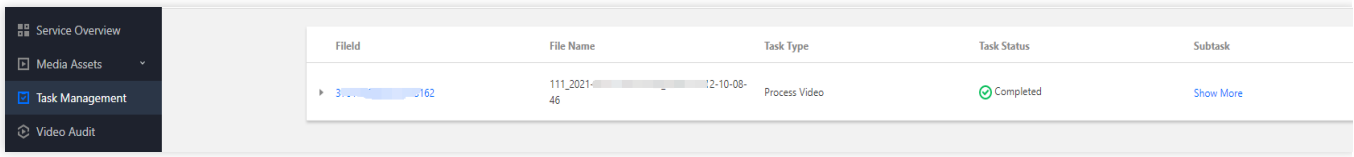



Basic information:

| Field | Description |
| --- | --- |
| Task ID | Unique ID generated after a task is created |
| Task Status | `Waiting` : The task is waiting.<br>`Completed` : The task is completed. Failed tasks and successfully completed tasks are both considered completed.<br>`Processing` : The task is being processed. |
| Creation Time | Time when the task is created |
| Start Time | Time when the task is executed |
| Completion Time | Time when the task is completed |
| Operation | Subtask type and status |

### Basic subtask information

Click a subtask to view its details.




Basic information:

| Field | Description |
| --- | --- |
| FileId | `FileId` of the media on which the task is executed |
| File Name | Filename of the media |
| Task Type | Type of task attached to the `FileId`, which can be video processing, video audit, content analysis, or content recognition |
| Task Status | Processing<br>Completed |
| Subtask | Name of the subtask attached to the `FileId` |

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# Remaster

Last updated：2023-05-15 17:31:32

## Overview

This document shows you how to start a remaster task in the console and how to view the result in the task center.

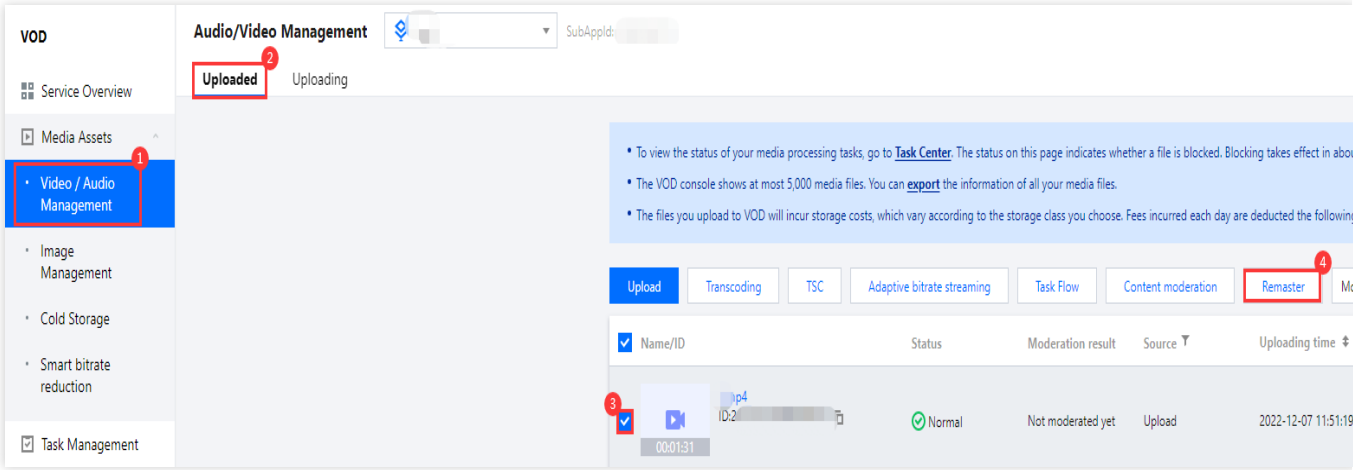
**Note:**

To learn about how the remaster feature is billed, see Remaster.

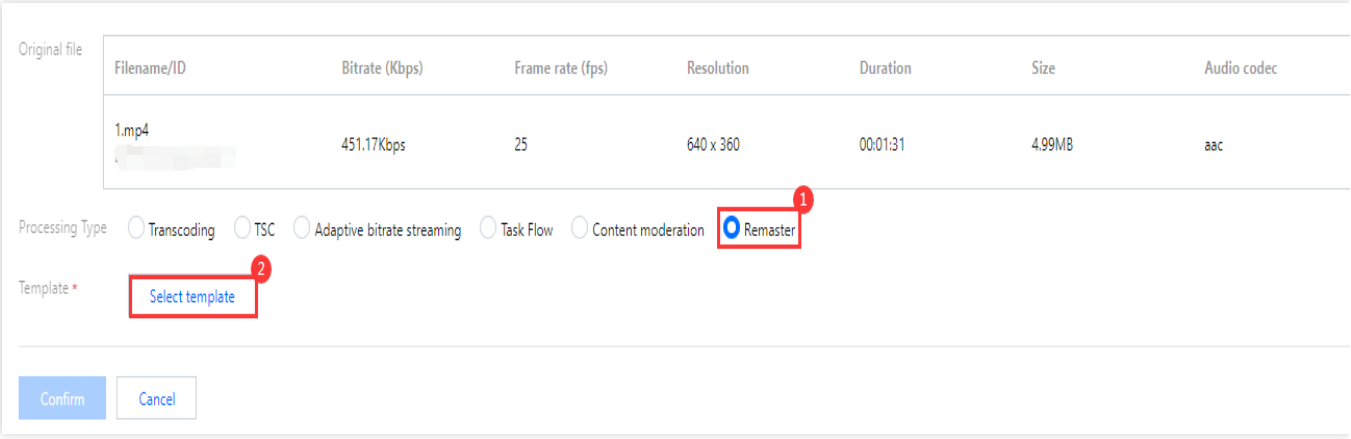
## Directions

### Step 1. Start a remaster task

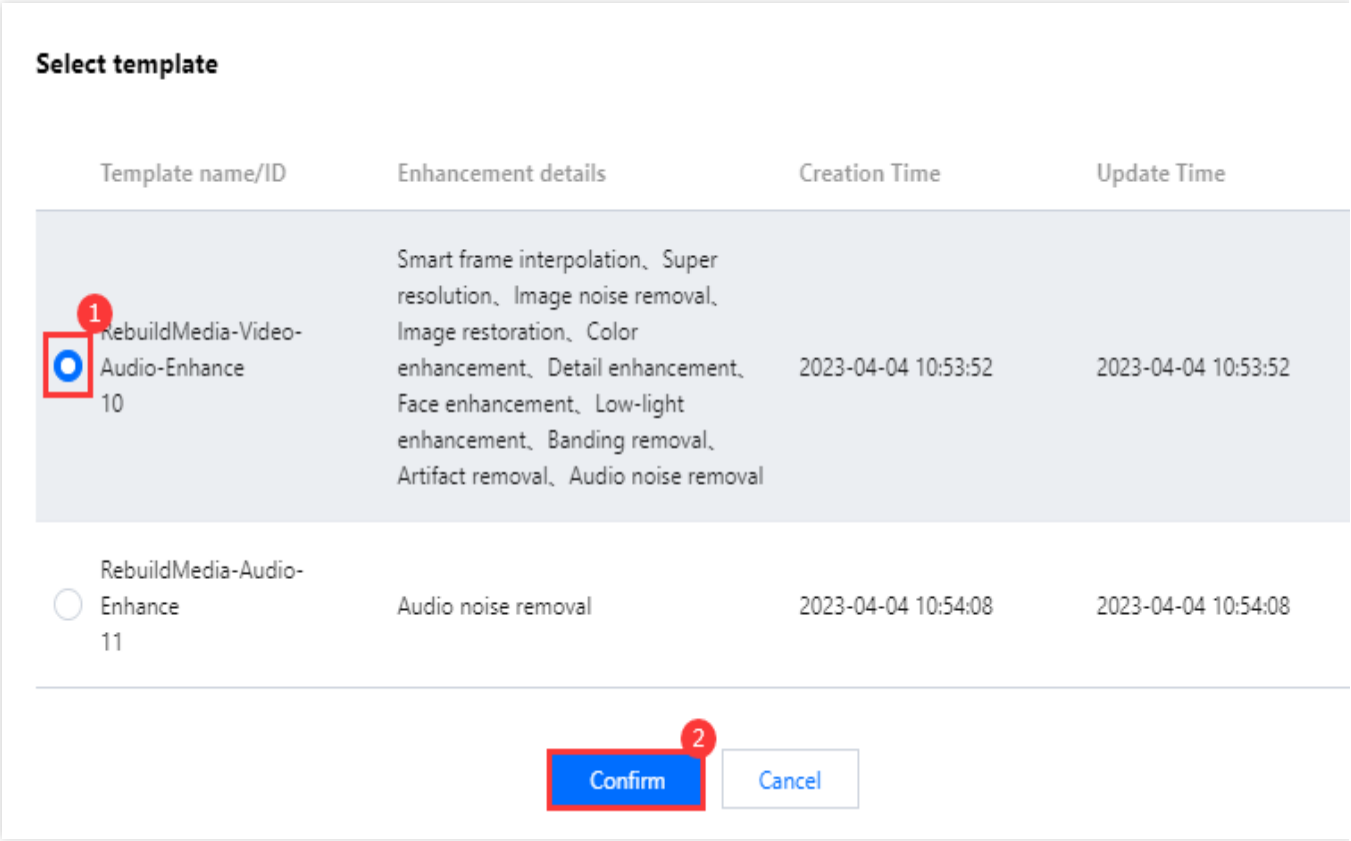
1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. You will be directed to the **Service Overview** page.
4. Go to **Media Assets > Video/Audio Management > Uploaded**, and select the media files you want to remaster.
5. Click **Remaster**.



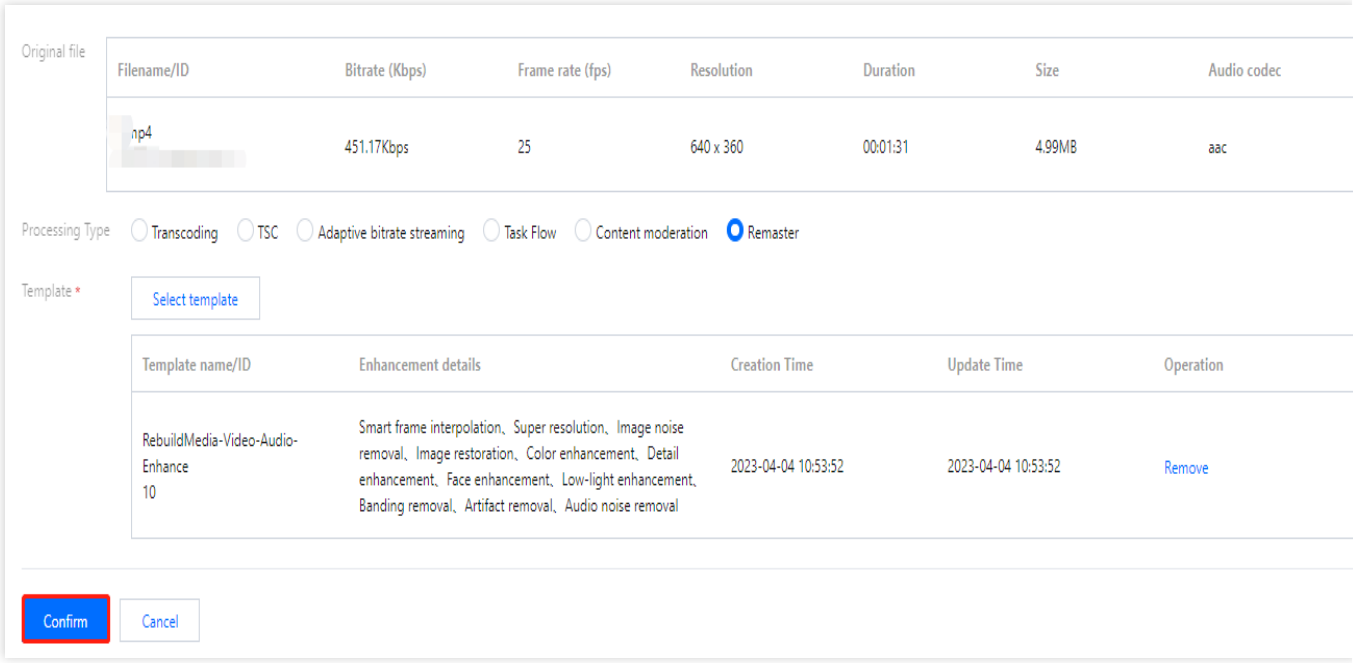

6. For **Processing type**, select **Remaster**.




7. Click **Select template**. In the pop-up window, select **RebuildMedia-Video-Audio-Enhance10** and click **Confirm**.

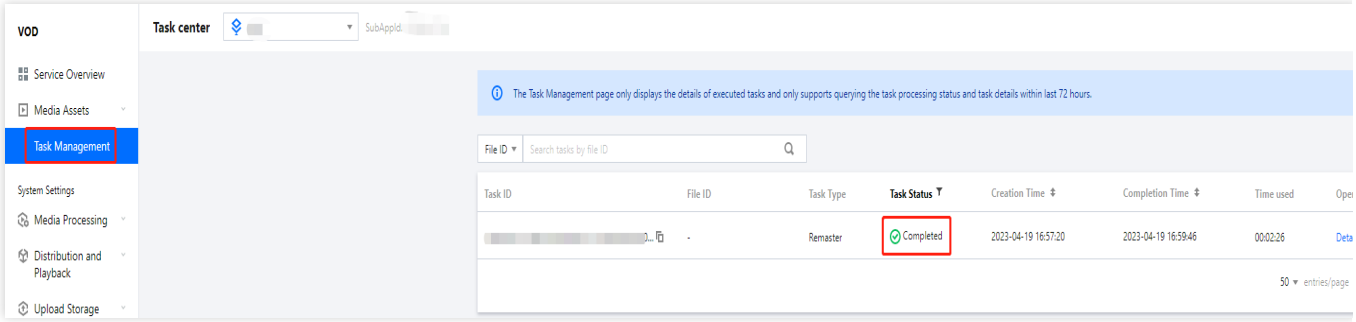



8. Back to the task configuration page, click **Confirm**, and a remaster task is created.

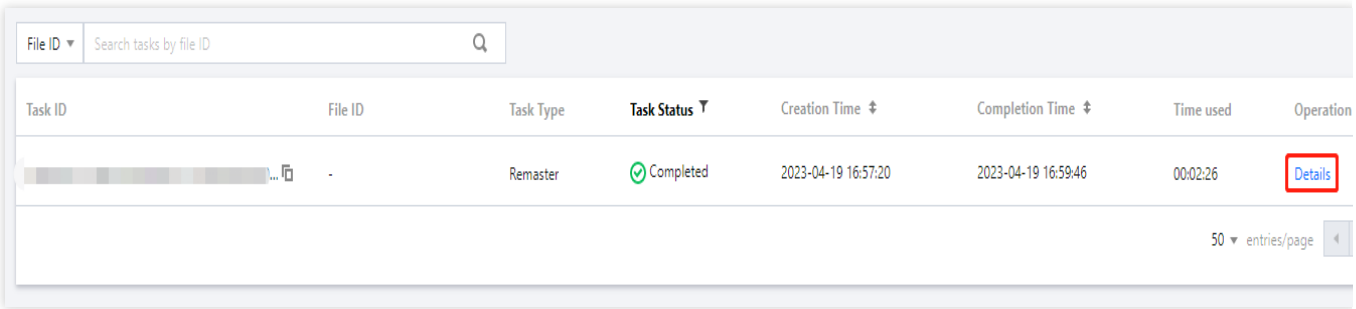


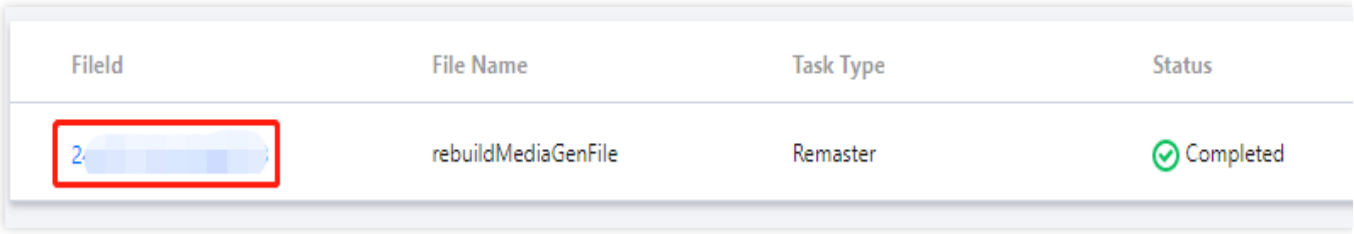

## Step 2. View the result in the task center

1. Select **Task Center** on the left sidebar. Find the remaster task you started (whose task type is "Remaster").



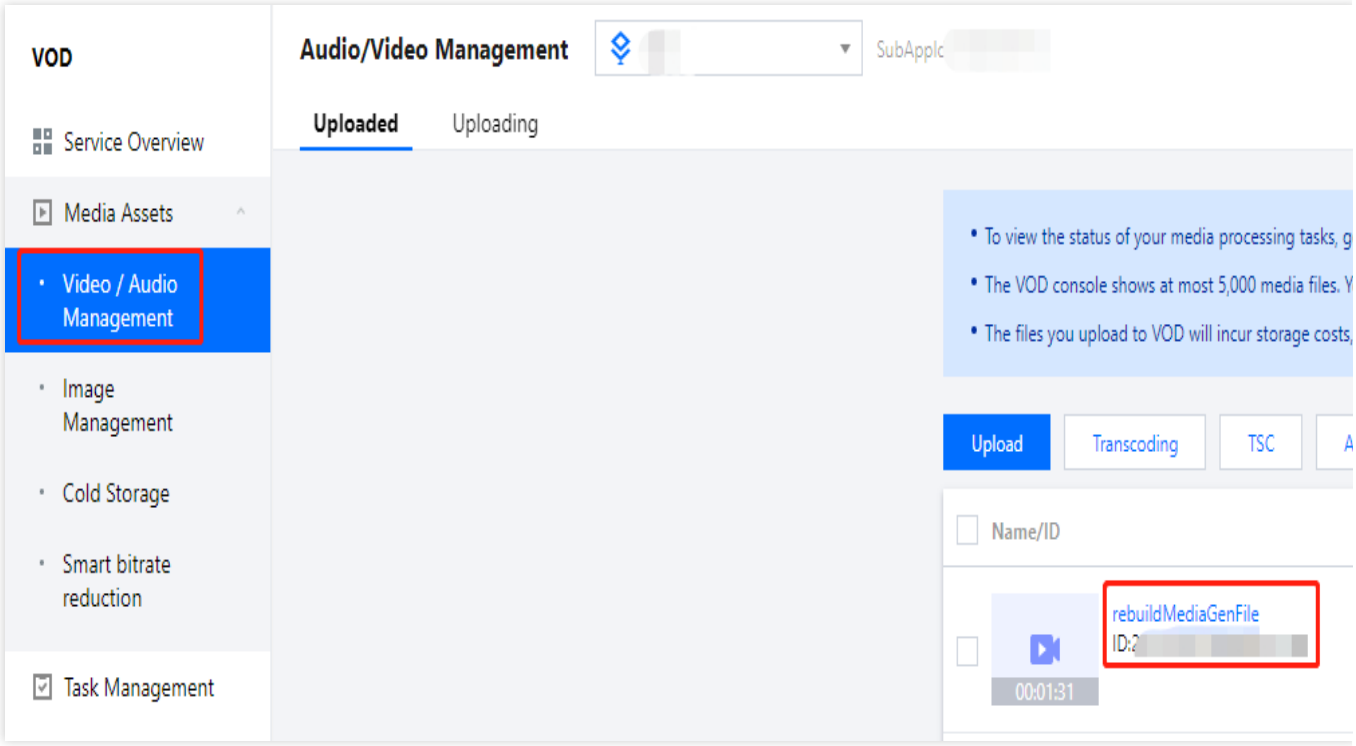

2. After the task is executed, click **Details** to view the result.






### Step 3. View the result on the "Video/Audio Management" page

Select **Video/Audio Management** on the left sidebar. The file named `rebuildMediaGenFile` is the output of the remaster task.



# Audio/Video Moderation

Last updated：2023-04-17 15:09:57

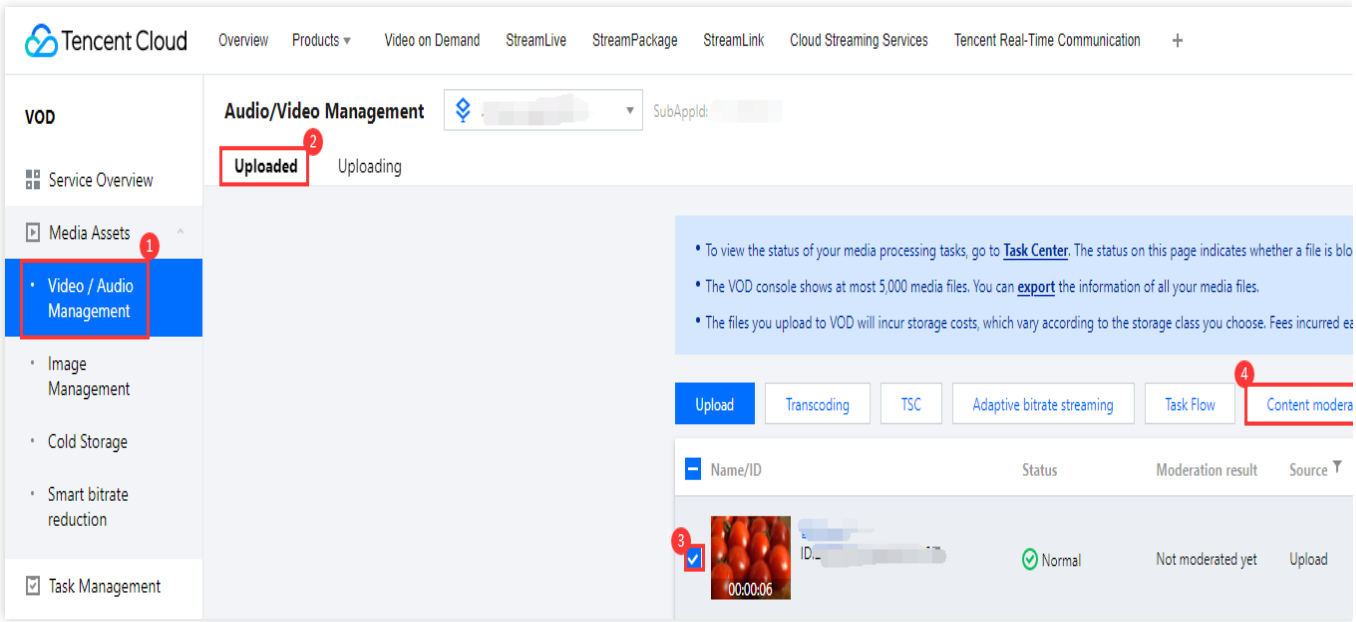
## Overview

This document shows you how to start an audio/video moderation task in the console and how to view the moderation result in **Task Center** and **Media Assets**.

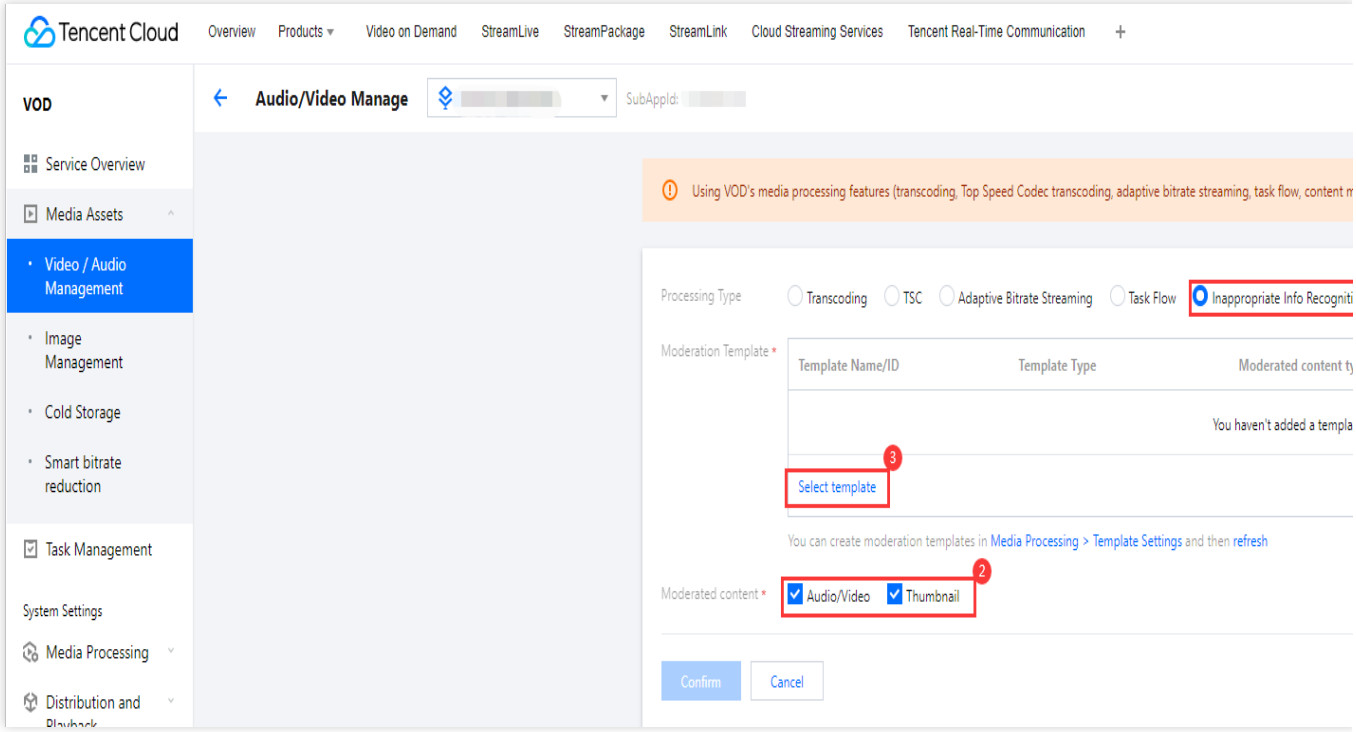
## Directions

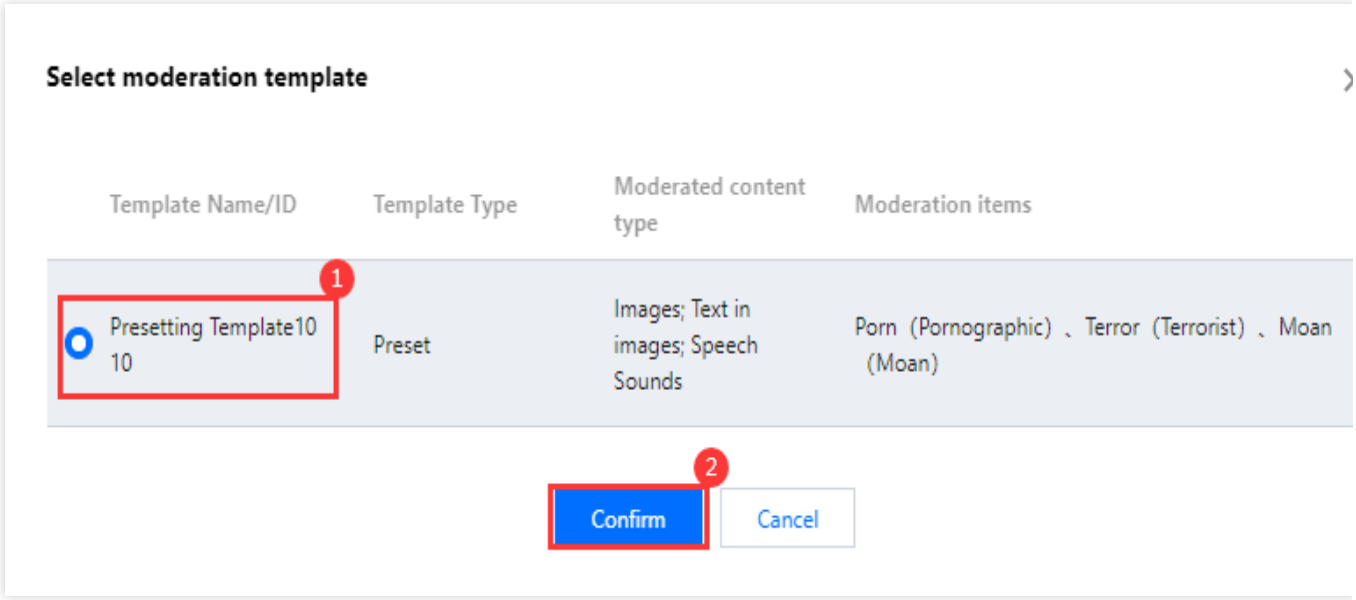
### Step 1. Start a moderation task

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. You will be directed to the **Service Overview** page.
4. Go to **Media Assets > Video/Audio Management**. Select the media files you want to moderate.
5. Click **Content moderation**.

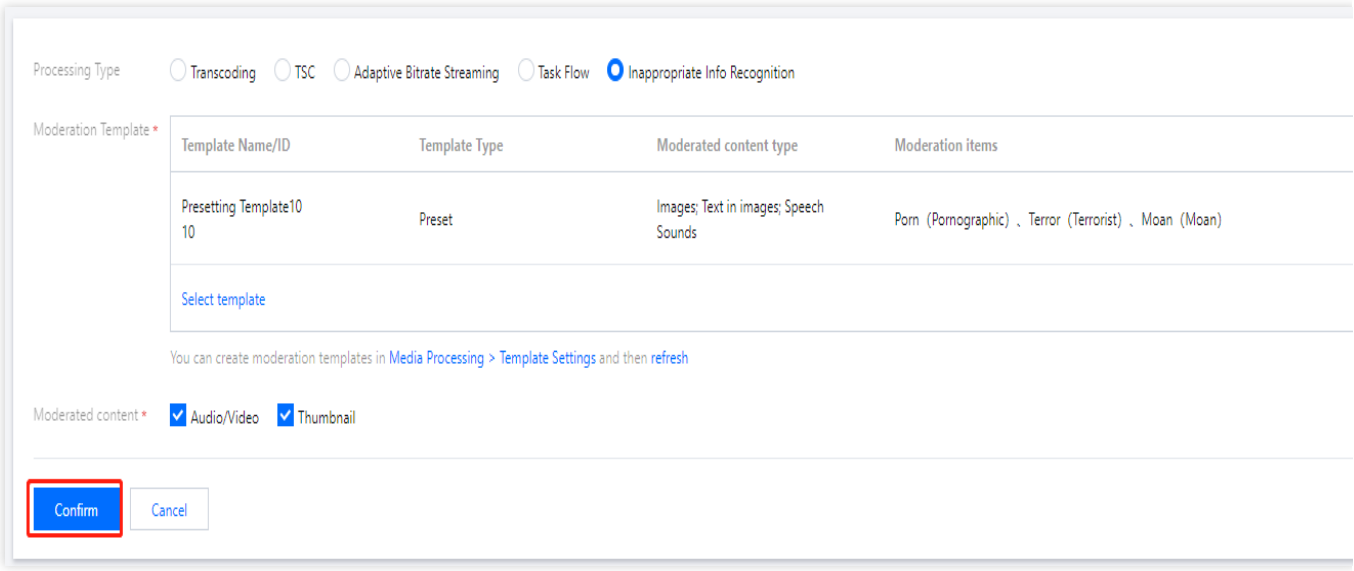



6. Select **Content moderation** as the processing type.
7. For **Moderated content**, select **Audio/Video** or **Thumbnail** (you need to select at least one).
8. Click **Select template**. In the pop-up window, select a moderation template. For example, select `Presetting Template10/10` , and click **Confirm**.



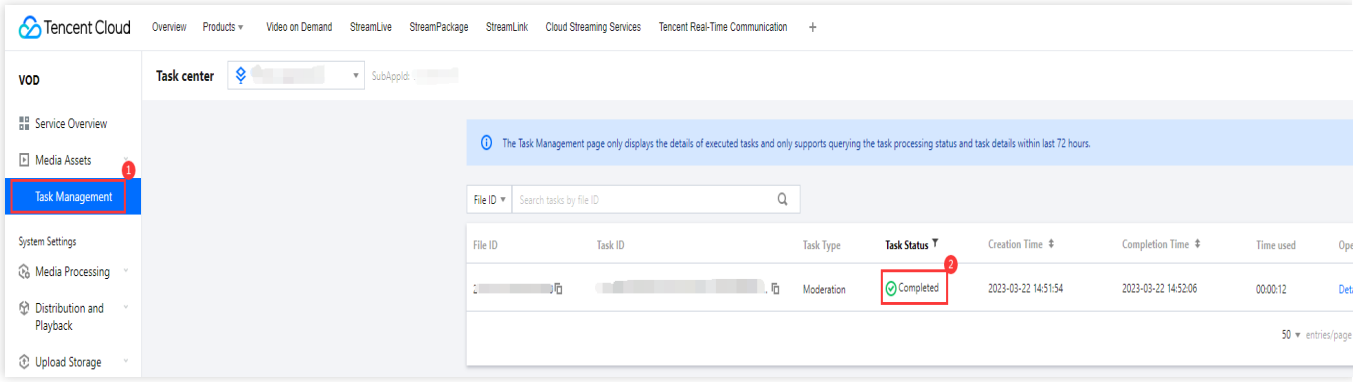




9. On task configuration page, click **Confirm**, and an audio/video moderation task is initiated.

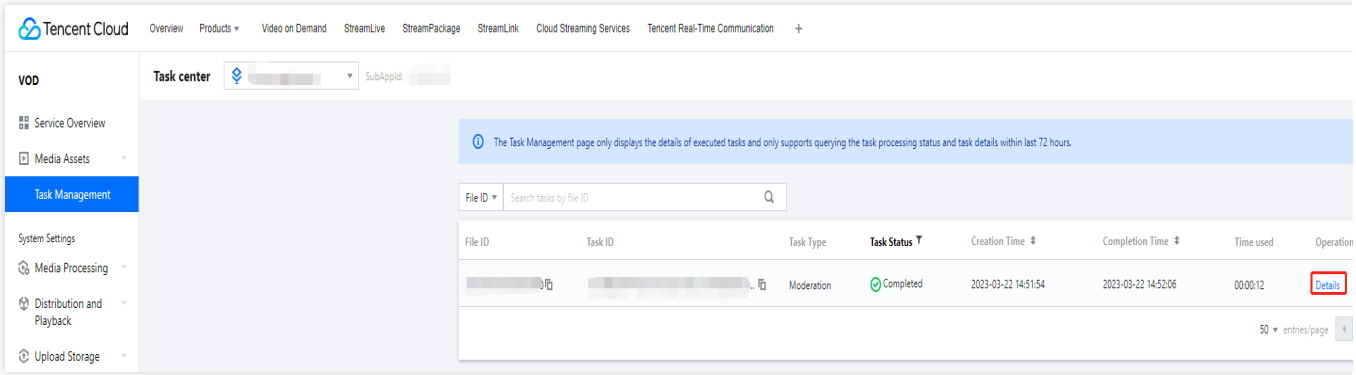



## Step 2. View the moderation result in "Task Center"

1. Select **Task Management** on the left sidebar. Find the moderation task you started (whose task type is "Audio/Video moderation").




2. After the task is finished, click **Details**.




3. About the moderation result page:

The page shows the filename, task ID, file ID, template name/ID, file URL, time used for moderation, and the moderation result.

Copy information: You can copy the task ID, file ID, and file URL.

Moderation details: **Preview is only supported for videos in MP4 format**. On the right, you can view the moderation result, including the violation item, the result (non-compliant or suspected), the confidence score, and the timestamp of the segment in question. You can click the timestamp to play a segment. The violation items are ranked by severity, and the page may not display all the violation items.

About post-moderation operations:

Click **Moderate again** to start another moderation task on the file (a new task ID will be generated).

Click **Block** to block the playback of the file.

Click **Delete file** to delete the file from VOD's media asset system.

**Note:**

If you delete the file, all files with the same file ID (the original file, transcoding outputs, image sprites, screenshots, etc.) will be deleted.

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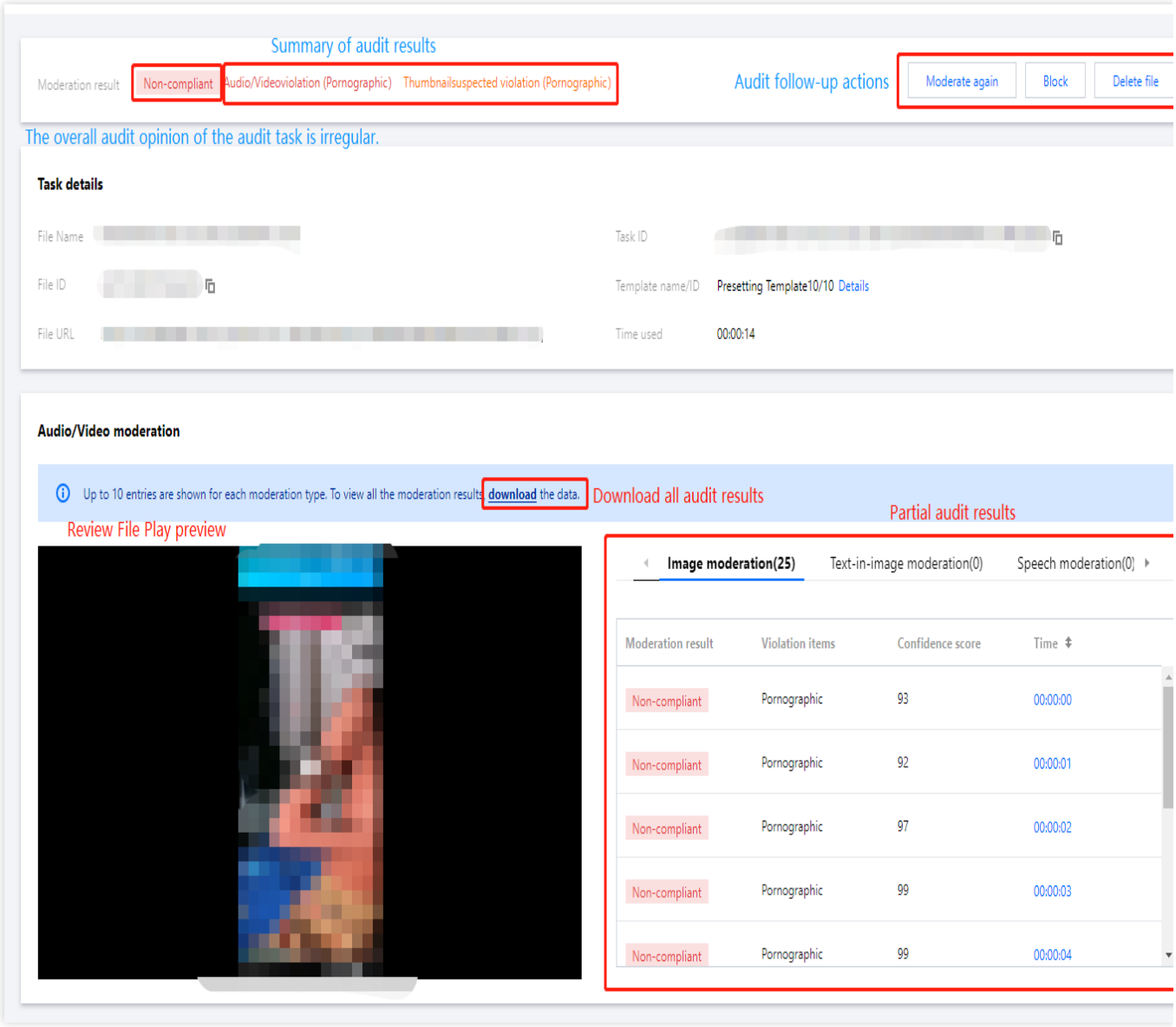
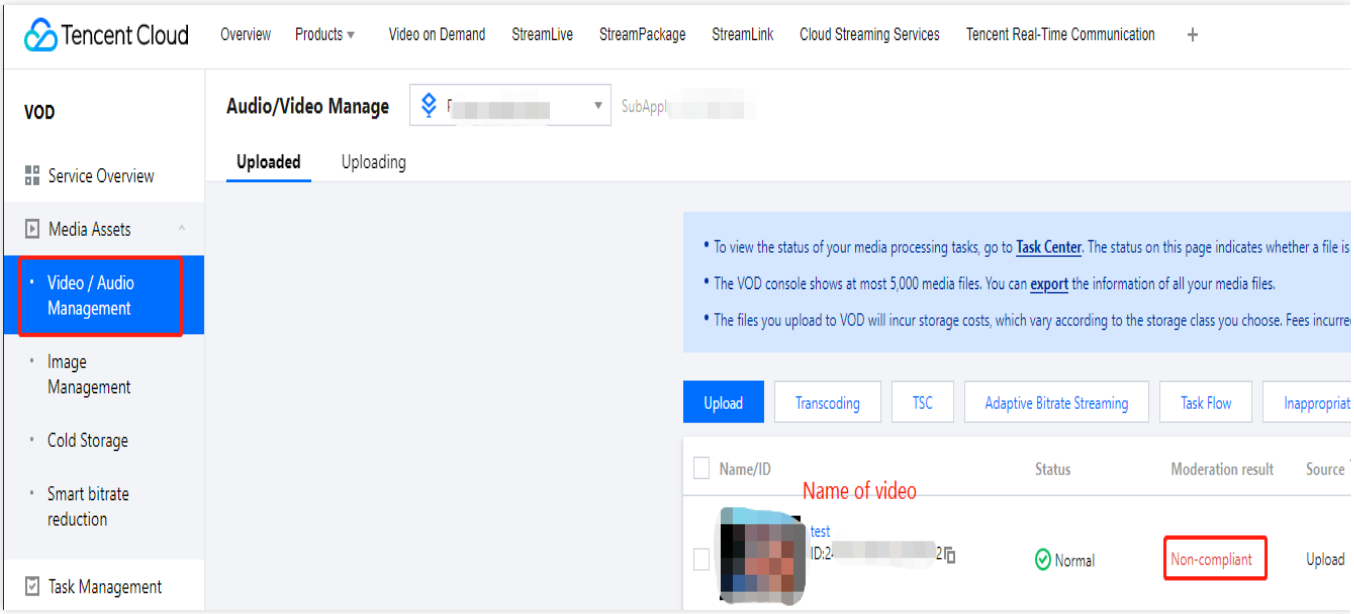



## Step 3. View the moderation result in "Media Assets"

The results of audio/video moderation tasks are saved temporarily in **Task Center**. After a task expires, the result will be deleted and can no longer be found in **Task Center**. For details, see DescribeTaskDetail - API Description. Instead, VOD's media asset system saves the result of each file's last moderation task persistently. To view the results, follow the steps below:

1. Select **Video/Audio Management** on the left sidebar. Find the target file.

**Moderation result** shows the result from the file's latest moderation task.




2. Click the name of the file to enter the details page.

The **Basic Info** section shows the moderation result. On this page, you can also view the moderation details, moderate the file again, or delete the file.

**Note:**

If you delete the file, all files with the same file ID (the original file, transcoding outputs, image sprites, screenshots, etc.) will be deleted.

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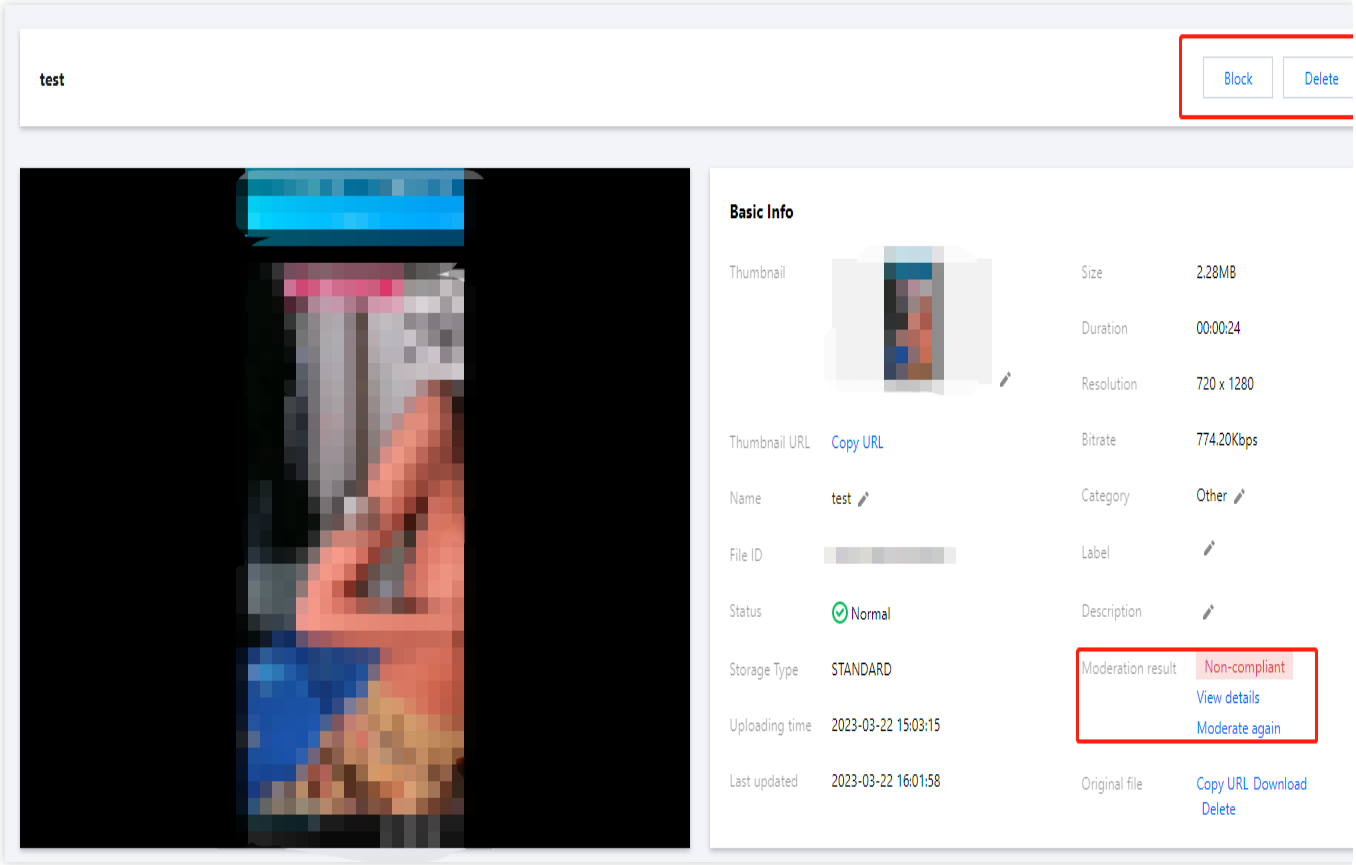


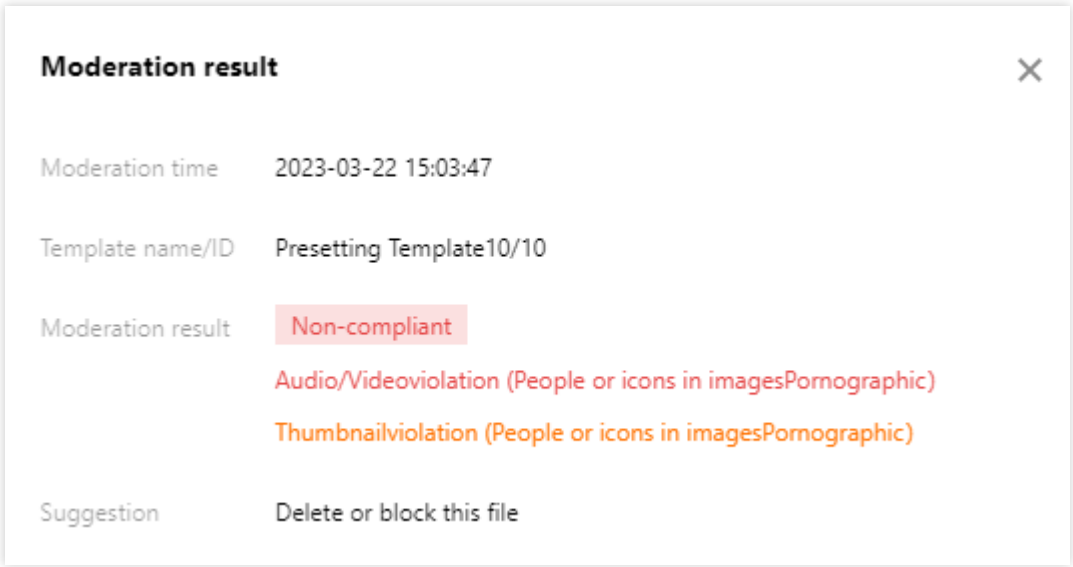

3. Click **View details**. The pop-up window shows the details of the file's last moderation task.

**Moderation time**: The time when the moderation task was started.

**Template name/ID**: The name/ID of the moderation template used.

**Moderation result**: The moderation result and the violation details.

**Suggestion**: The suggestion for handling the file.



# Media Processing Settings
# Smart multilingual subtitling

Last updated：2025-03-12 14:03:42

Currently, the VOD platform supports adding subtitles to videos through AI recognition and supports adding corresponding multilingual subtitles. This document mainly introduces how to add multilingual subtitles through the console.

## Scope Of Application

Videos that are added with multilingual subtitles need to **complete adaptive bitrate streaming first**; ordinary files do not support adding multilingual subtitles.
Supported subtitle file formats: VTT and SRT.
When subtitles are added to a video, the AI recognition capability supports recognition of the source audio languages: **Mandarin, English, Cantonese, and Japanese.**
After the AI recognizes the subtitles, it supports adding multilingual subtitles using the AI translation feature. The supported AI translation languages are shown in the following table:

| Category | Supported Language Range |
| --- | --- |
| Source Language | Mandarin, English, Cantonese, Japanese, Korean, Vietnamese, Malay, Thai, Portuguese, Turkish, Arabic, Spanish, Hindi, and French. (14 languages) |
| Translation Target Language | Japanese, English, Korean, Vietnamese, Malay, Thai, Portuguese, Turkish, Spanish, Hindi, French, Italian, German, and Russian. (14 languages) |

**Note:**
Translation accuracy may vary depending on the data in actual scenarios. It is recommended to conduct data testing in combination with actual scenarios before use.

## Operation Steps

### Step 1: Create a Template

1. Log in to the VOD Console, click on **Application Management** in the left sidebar, and enter the application list page.

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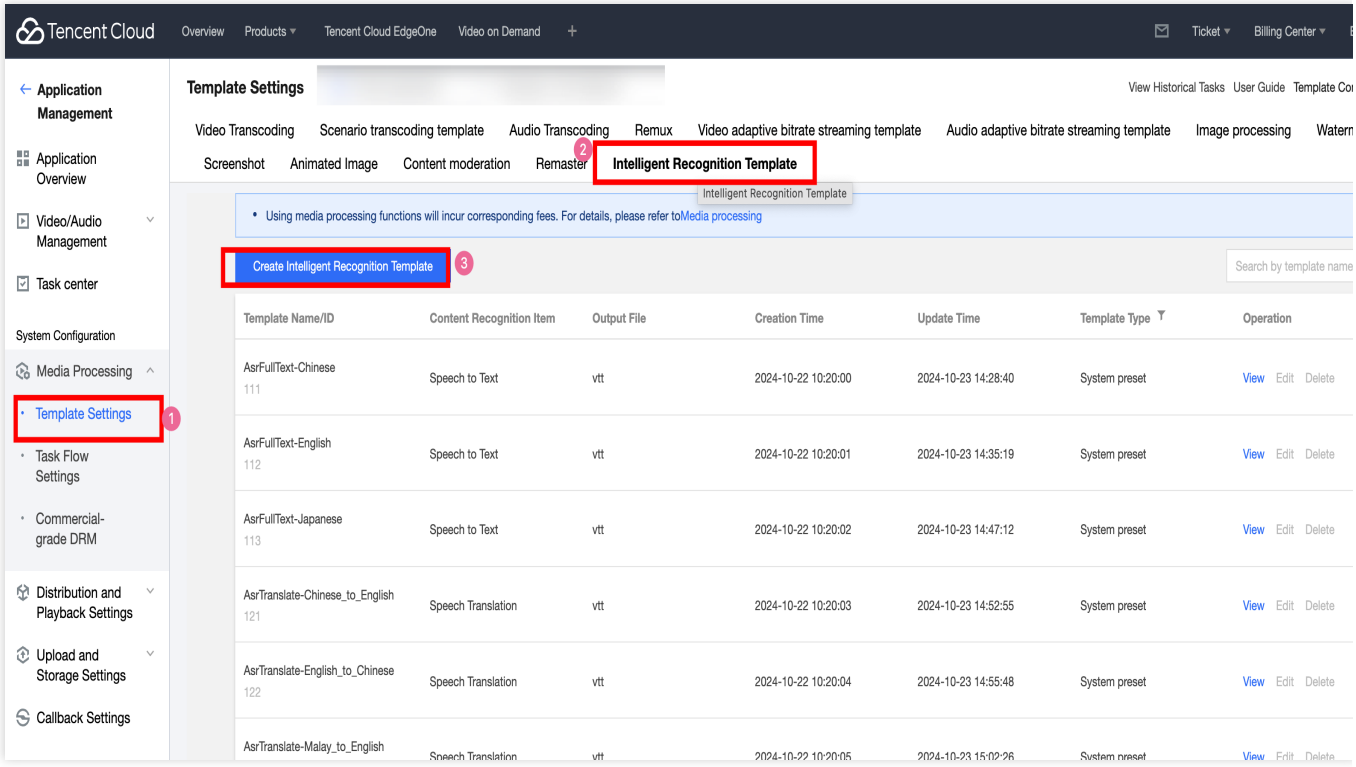
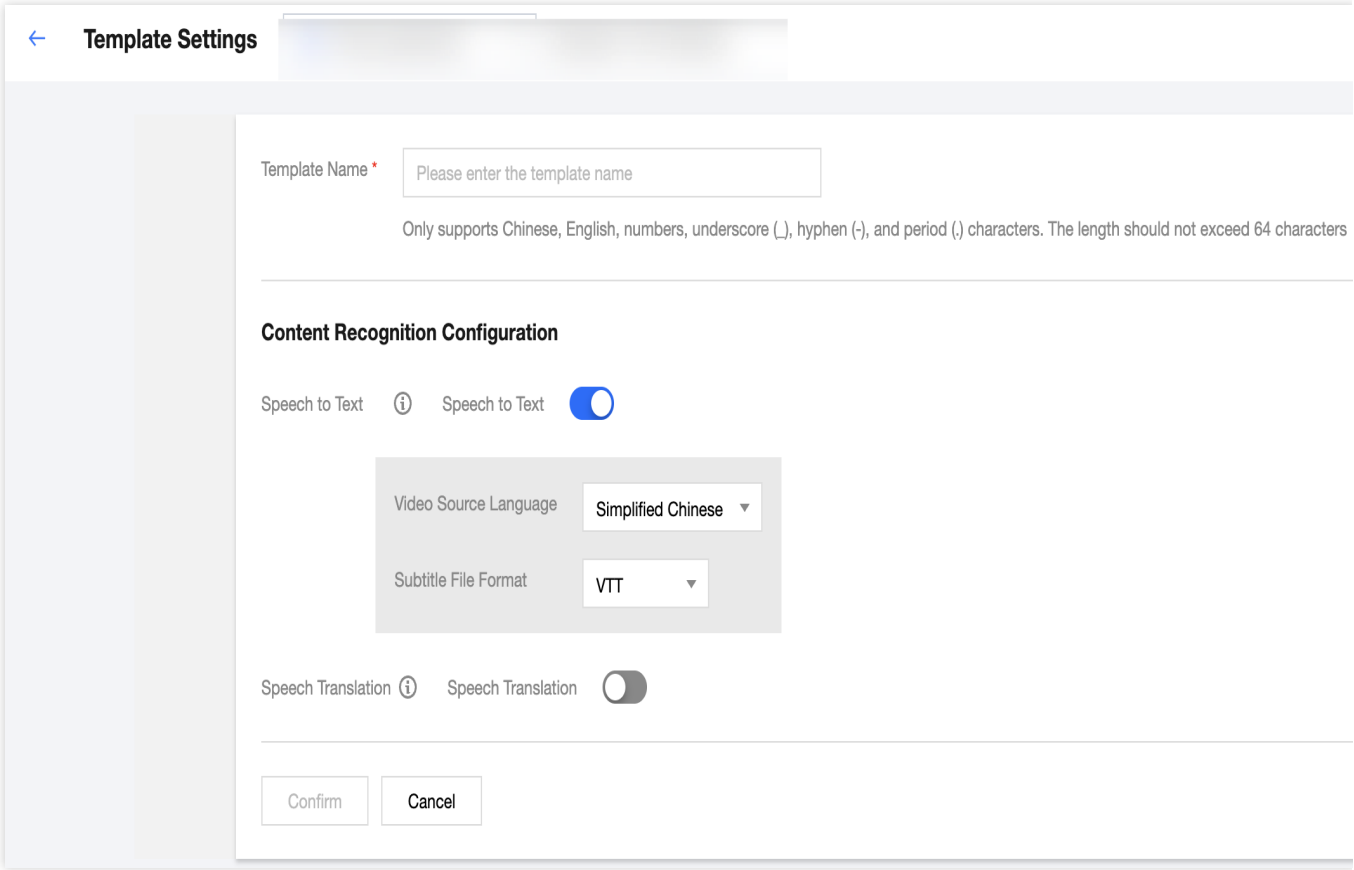
2. Click on the application name to enter the application management page. By default, you will enter the **Audio/Video Management** > **Audio and Video Management** page.

3. Select **Media Processing Settings** > **Template Settings** > **Intelligent Identification Template**. VOD provides preset templates. You can first check if the preset templates meet your needs. If not, you can click **Create Intelligent Identification Template** to create your own recognition and translation templates for the required language.

**Note:**

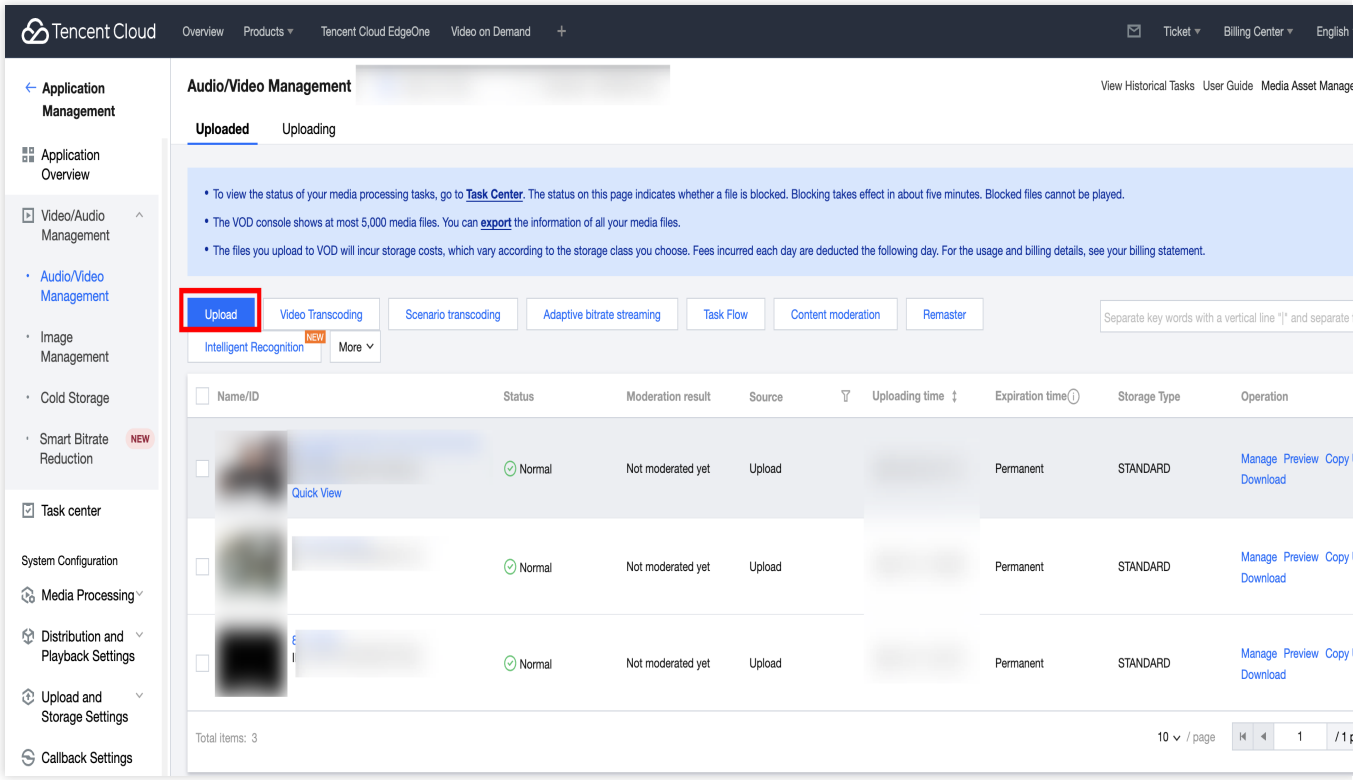
Currently, Speech Full Text Recognition and speech translation cannot be selected at the same time and need to create templates separately.






## Step 2: Upload Video

Go to the **Audio/Video Management** > **Audio and Video Management** page and click **Upload** to upload the target file.




## Step 3: Create a Task

After uploading the video, go to the **Audio/Video Management** page and perform the following tasks on the target video in sequence:

1. Create an **Intelligent Recognition** task, select the **Full Speech-to-Text Recognition** template, and generate subtitles based on the audio in the video.
2. Create an **Intelligent Recognition** task, select the **Speech Translation** template, and translate the existing subtitles into subtitles of other languages.
3. Create a transcoding to adaptive bitrate streaming task.

**Note:**

Both **Full Speech-to-Text Recognition** and **Speech Translation** features involve creating an **Intelligent Recognition** task.

It is necessary to complete **Full Speech-to-Text Recognition** before proceeding with **Speech Translation** and transcoding to adaptive bitstream tasks.

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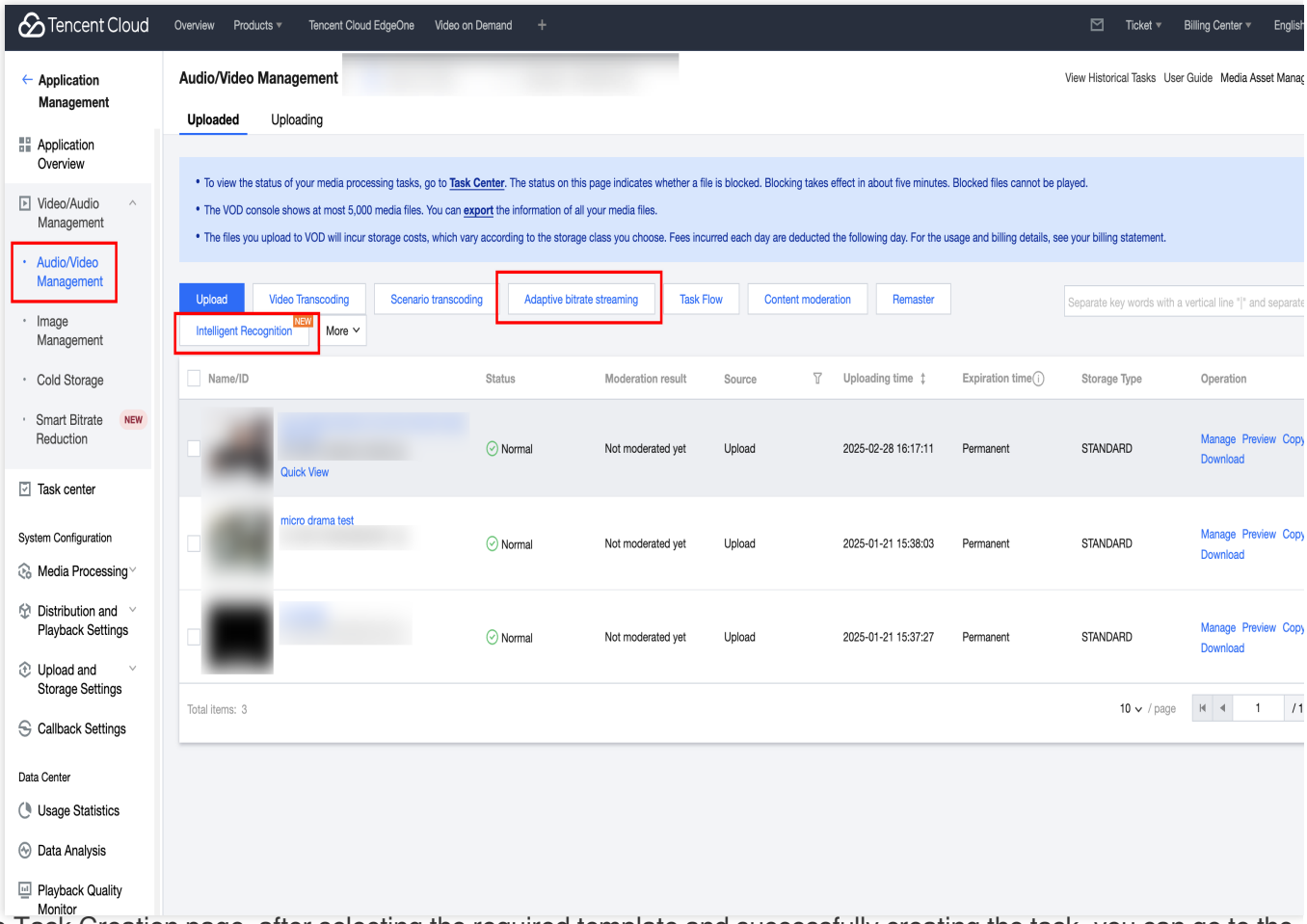
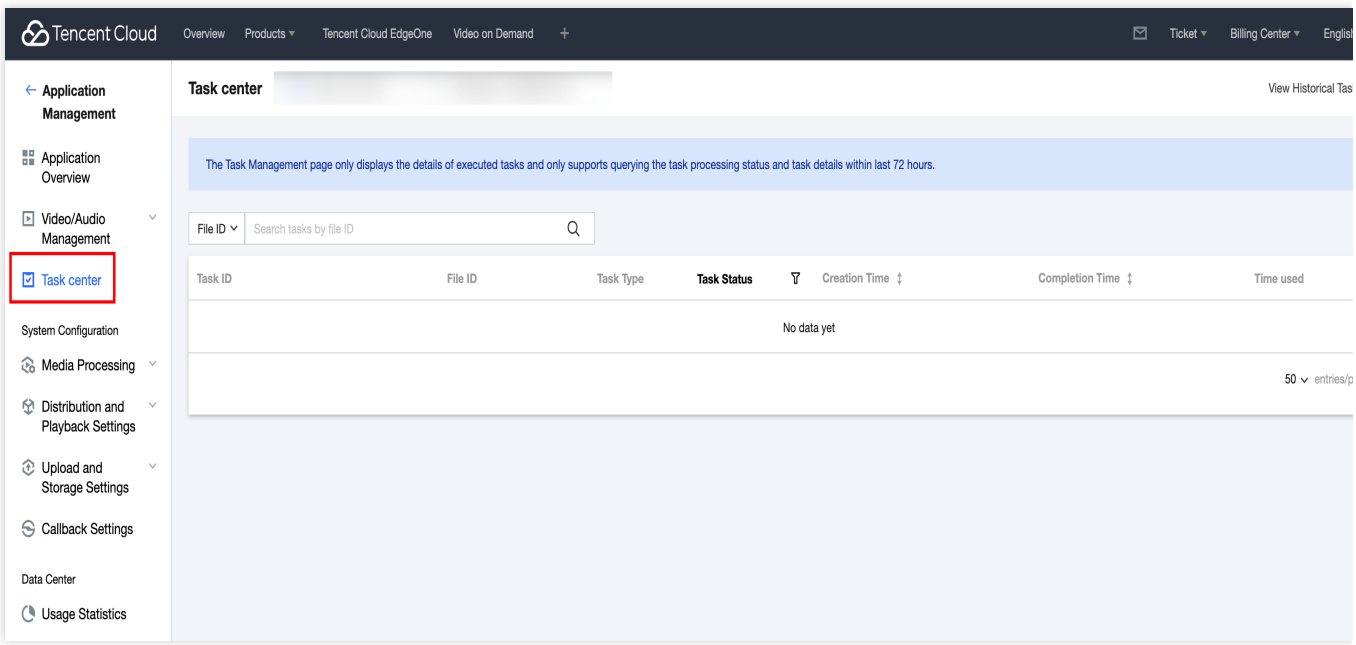


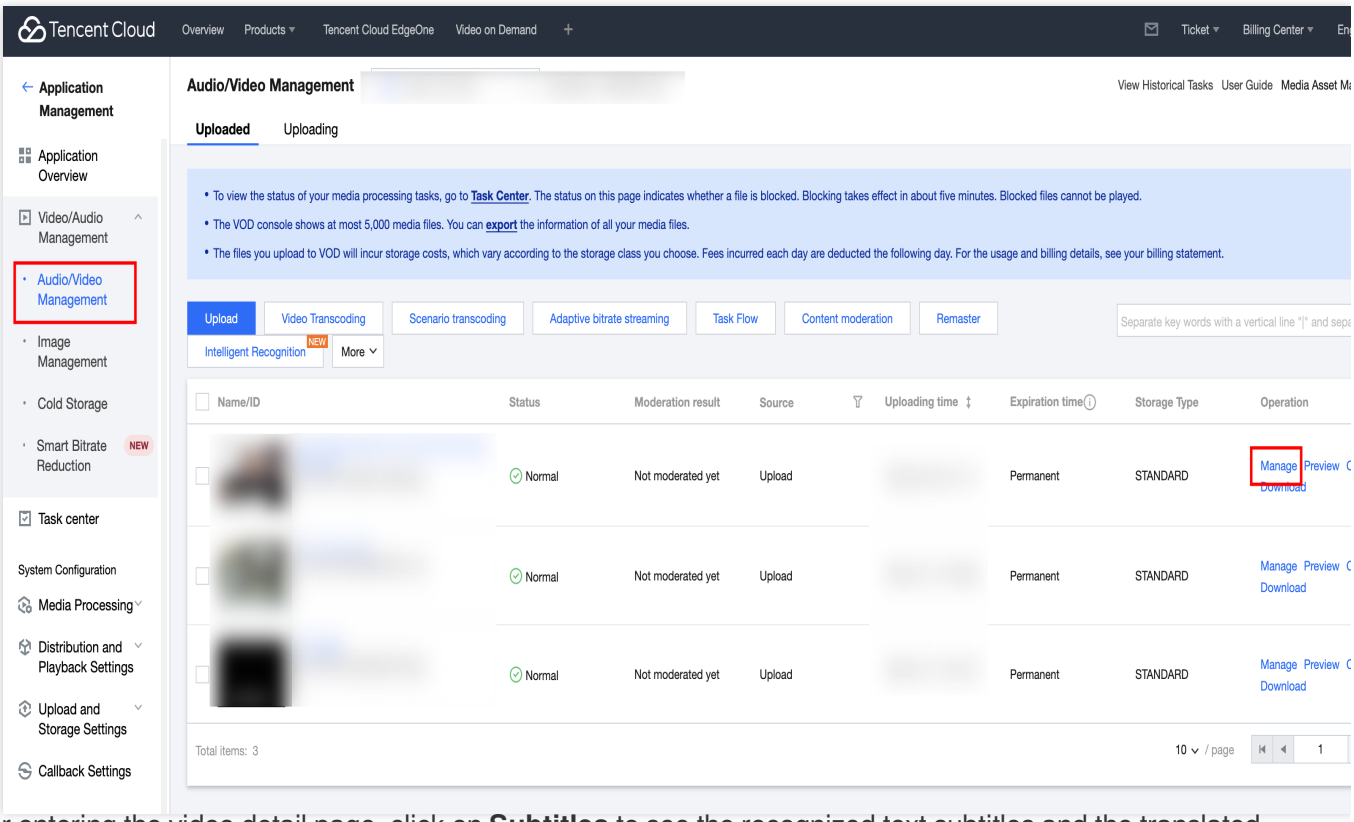

On the Task Creation page, after selecting the required template and successfully creating the task, you can go to the **Task center** to view the progress of related tasks.



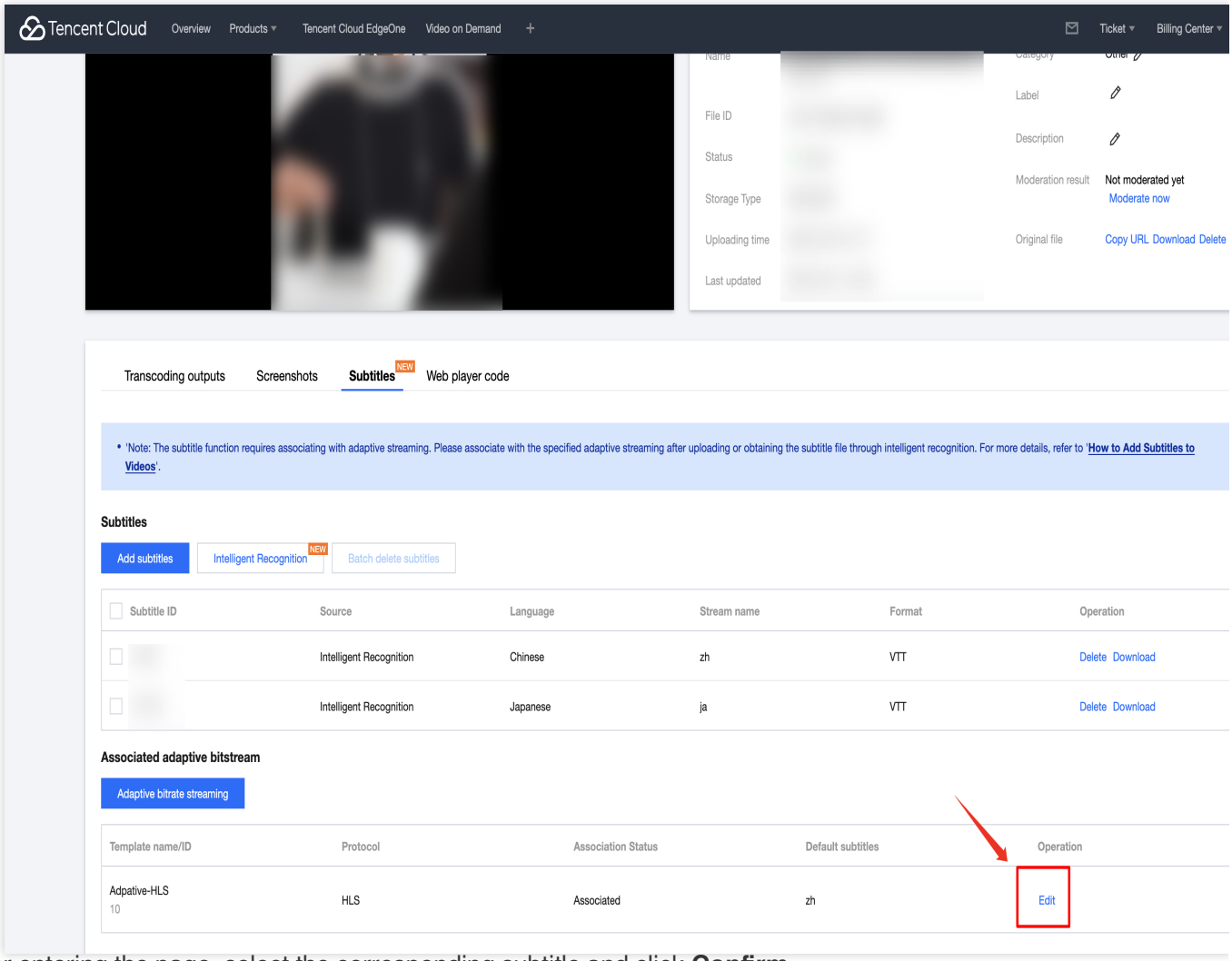

## Step 4: Associate Multilingual Subtitles

After completing the ASR, speech translation, and adaptive bitrate streaming tasks, assemble the results of these tasks to obtain video content with multilingual subtitles. The operation is as follows:

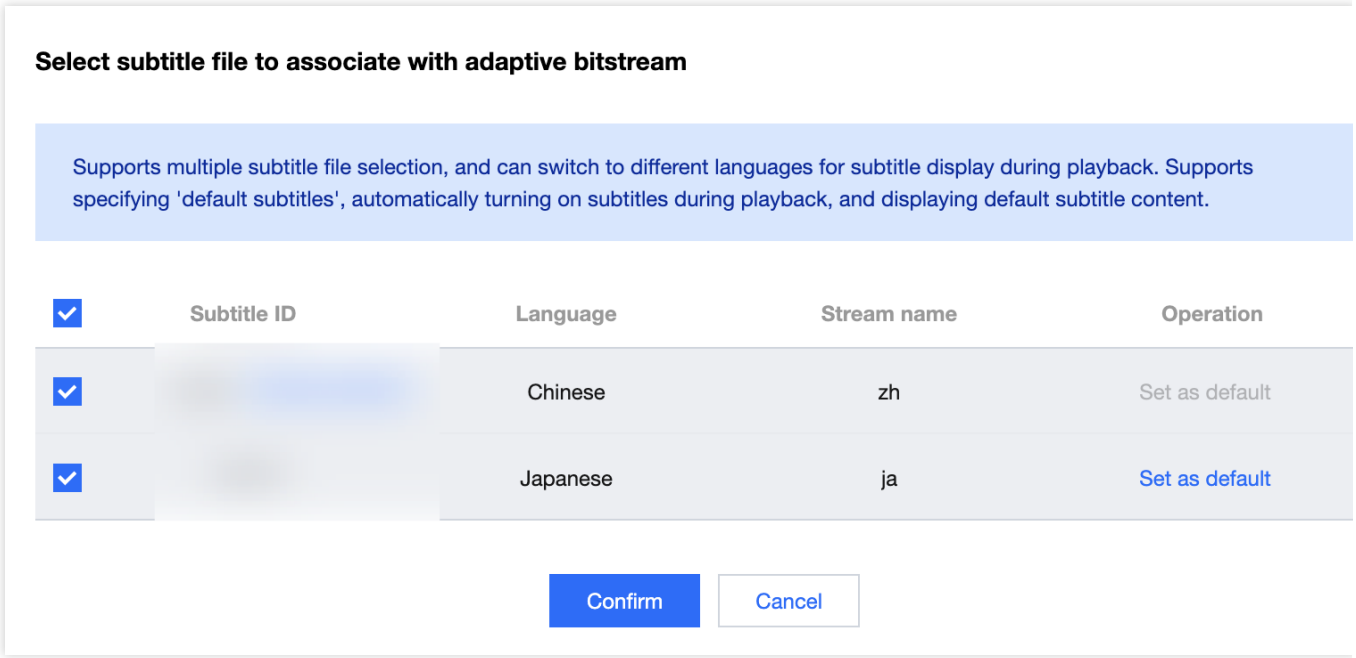
1. On the **Media Asset Management** > **Audio and Video Management** page, click **Manage** under the corresponding video operation to enter the audio and video management page.




2. After entering the video detail page, click on **Subtitles** to see the recognized text subtitles and the translated subtitles, as well as the video after transcoding to adaptive bitrate streaming. Click **Edit** under the operation of the transcoded video.




3. After entering the page, select the corresponding subtitle and click **Confirm**.

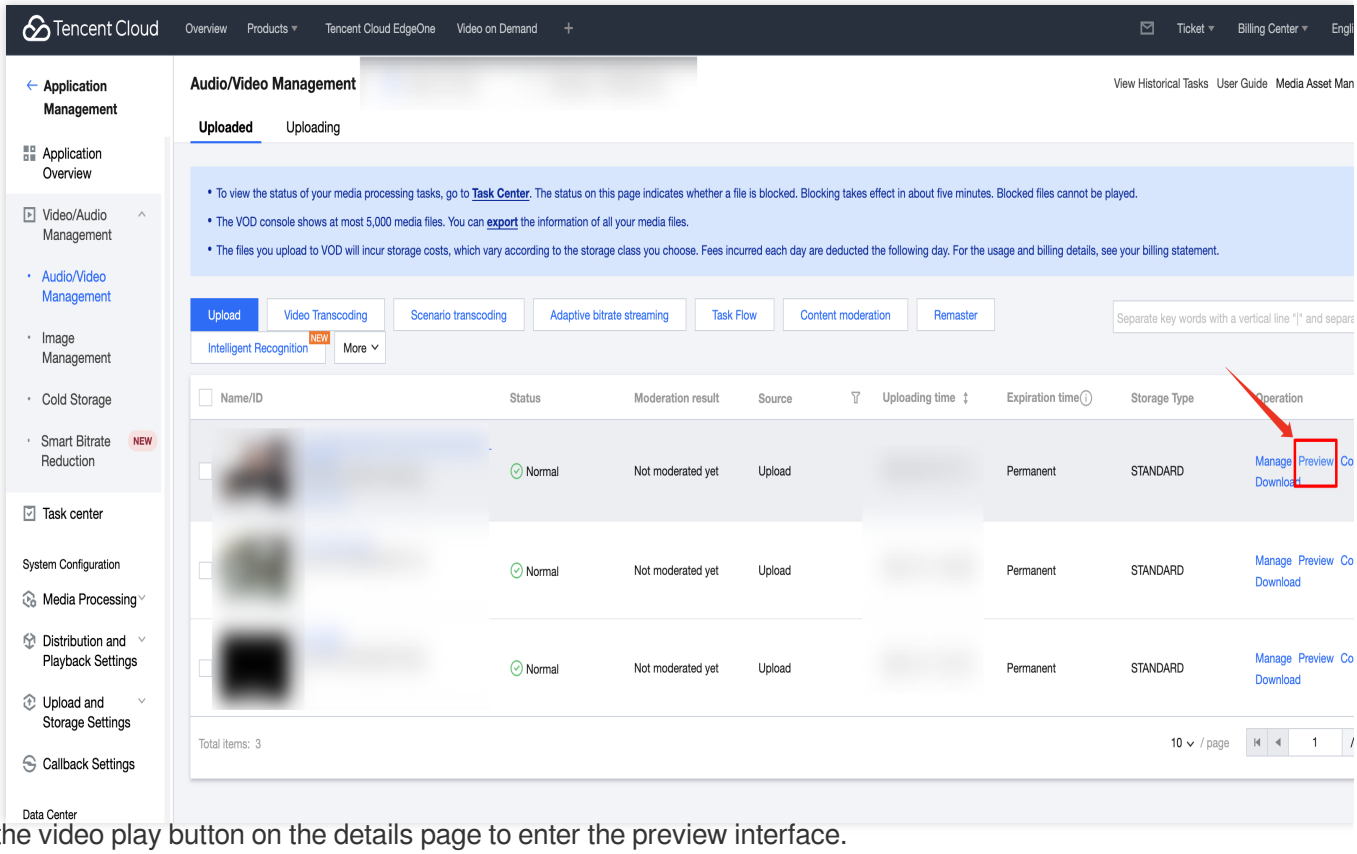



## Step 5: Preview Multilingual Subtitle Video

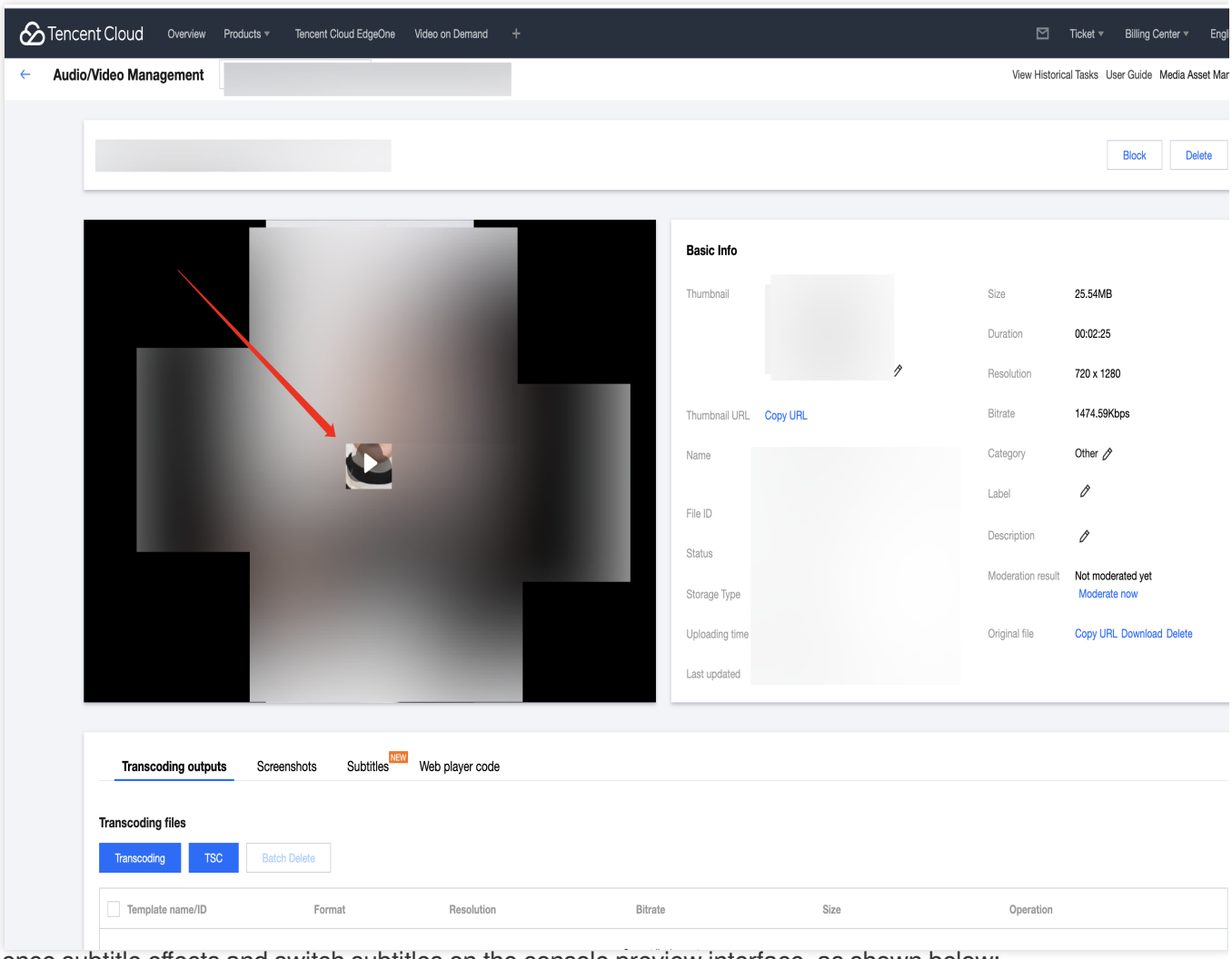
After the association is completed, you can preview the subtitle effects in the console or copy and paste the adaptive bitrate video link to other players to experience the subtitle effects.

### Preview In the Console

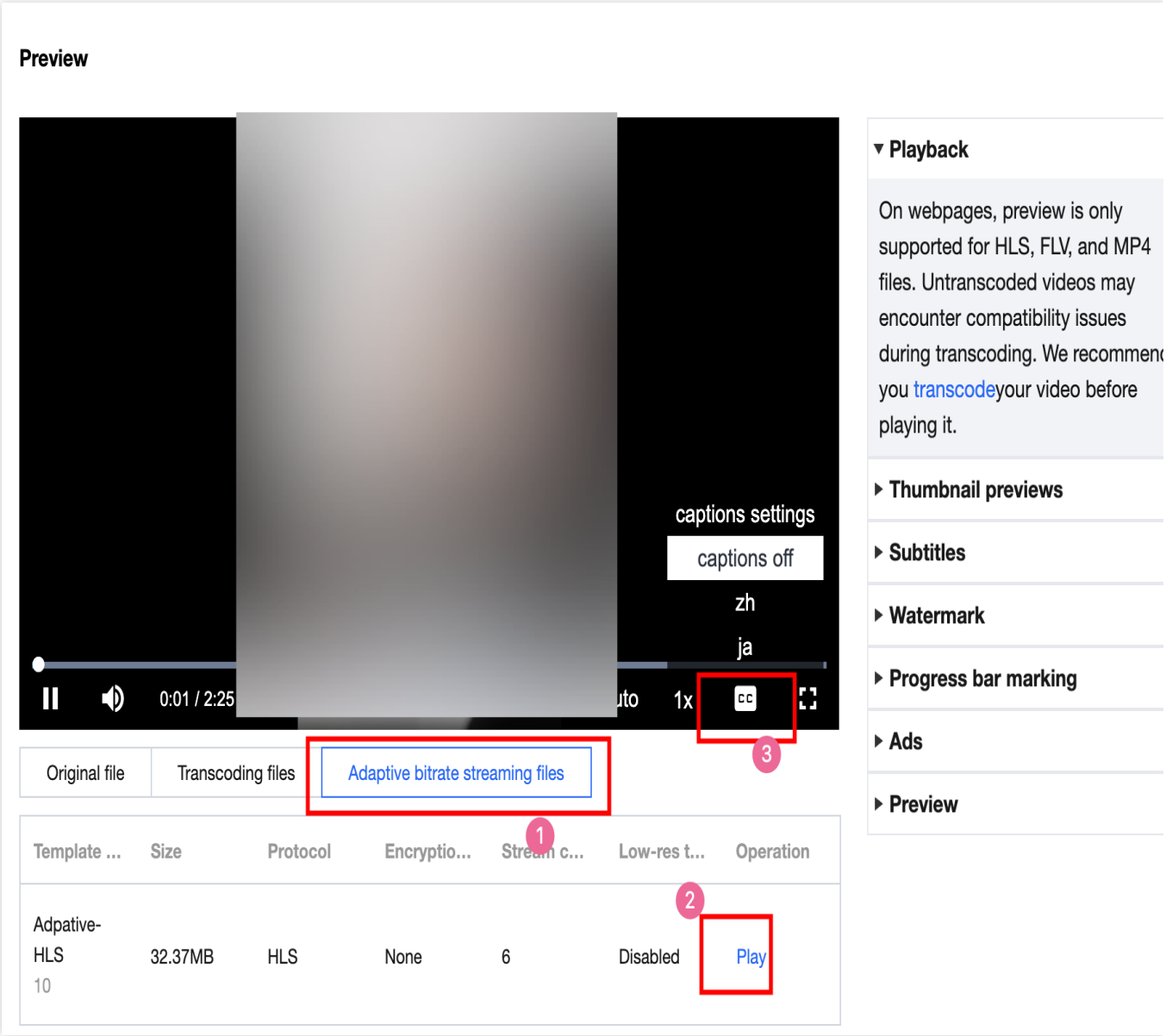
Click **Preview** under the target video operation to preview the subtitle effects.




Click the video play button on the details page to enter the preview interface.

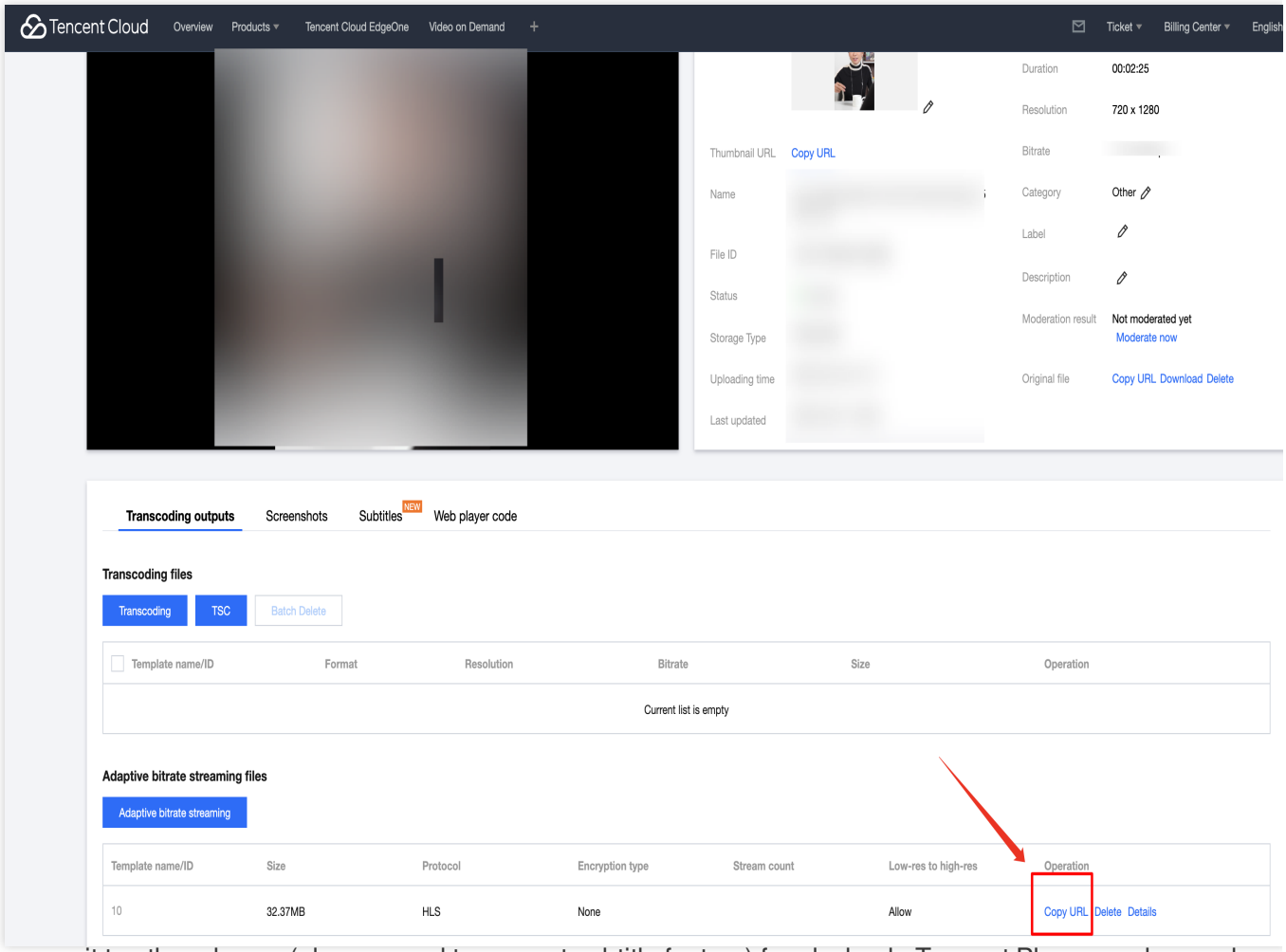



Experience subtitle effects and switch subtitles on the console preview interface, as shown below:



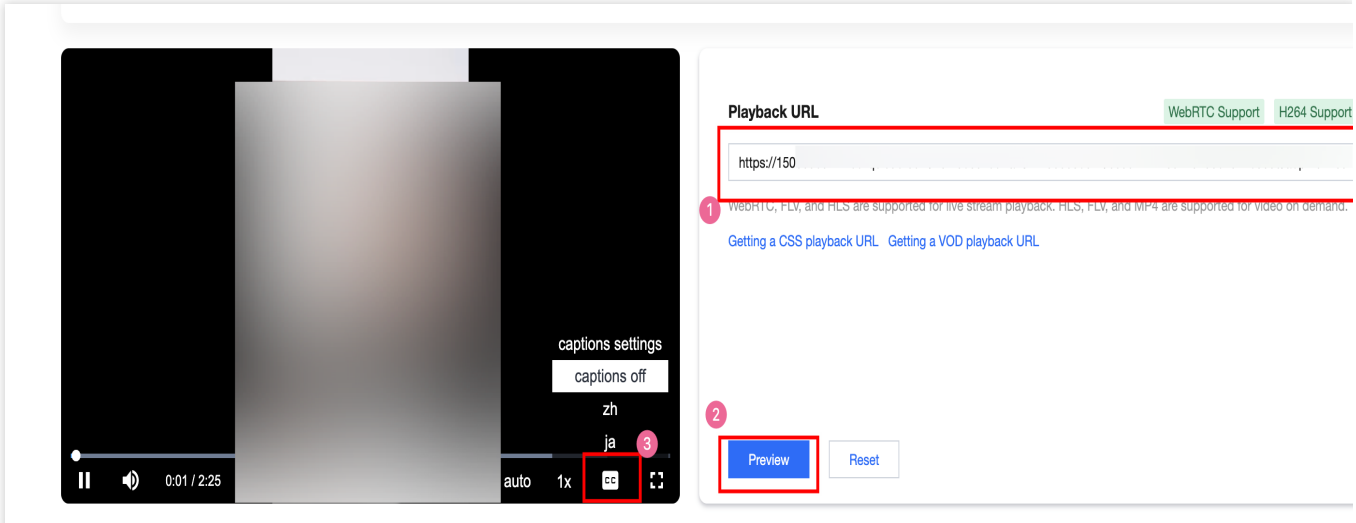

## Experience In Other Players

1. When playing with other players, you need to copy the URL of the adaptive bitrate stream video from the console.




2. Then copy it to other players (players need to support subtitle feature) for playback. Tencent Player can be used; player address: TCPlayer Demo.

The subtitle effects of the player are as follows:



# Template Configuration

Last updated：2024-11-04 10:50:32

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. You will be directed to the **Service Overview** page.
4. Select **Media Processing > Template Settings** on the left sidebar. On this page, you can create a **video transcoding template**, a **TSC template**, an **audio transcoding template**, a **remux template**, an **adaptive bitrate streaming template**, a **watermark template**, a **screenshot template**, an **animated image template**, or a **content moderation template**. All templates can be added to a task flow.

## Video Transcoding Template

Click **Create a Transcoding Template** under the **Video Transcoding** tab to create a custom video transcoding template.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Encapsulation format: MP4, FLV, or HLS.
Configuration items: Video and audio parameters.
Video parameters:
Encoding standard: H.264, H.265, or AV1.
Video bitrate: 128-35,000 Kbps.
Resolution: Set the long and short sides or width and height of the video. Value range: 128-4096 px.
Frame rate: 1-100 fps.
Audio parameters:
Encoding standard: AAC or MP3.
Sample rate: 32,000 Hz, 44,100 Hz, or 48,000 Hz.
Audio bitrate: 26-256 Kbps.
Sound channel: Mono-channel or dual-channel.
Common template: Whether to set the template as a common template
The created template will be displayed in the template list. You can view, edit, or delete the template, or set it as a common template.

#### Preset templates

For information about preset templates, see Preset Templates - Preset transcoding templates.

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# TSC Template

Select the **TSC Template** tab and click **Create a Transcoding Template** to create a custom TSC transcoding template.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Encapsulation format: MP4, FLV, or HLS.
Configuration items: Video and audio parameters.
Video parameters:
Encoding standard: H.264, H.265, or AV1.
Average bitrate limit: If this parameter is left empty or is set to 0, there will be no upper limit for the bitrate.
Resolution: Set the long and short sides or width and height of the video. Value range: 0 or 128-4096 px.
Frame rate: 0-60 fps
Audio parameters:
Encoding standard: AAC or MP3.
Sample rate: 32,000 Hz, 44,100 Hz, or 48,000 Hz.
Audio bitrate: 0 or 26-256 Kbps.
Sound channel: Mono-channel or dual-channel.
Common template: Whether to set the template as a common template.
The created template will be displayed in the template list. You can view, edit, or delete the template, or set it as a common template.
**Note:**
For information about preset templates, see Preset Templates - Preset Top Speed Codec (TSC) transcoding templates.

# Audio Transcoding Template

Select the **Audio Transcoding** tab and click **Create Audio Template** to create a custom audio transcoding template.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Encapsulation format: MP3, FLAC, OGG, or M4A.
Audio parameters:
Encoding standard: MP3 is supported if the encapsulation format is MP3; FLAC is supported if the encapsulation format is FLAC or OGG; MP3, AAC; and AC3 are supported if the encapsulation format is M4A.
Sample rate: 32,000 Hz, 44,100 Hz, or 48,000 Hz.
Audio bitrate: 0 or 26-256 Kbps.

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Sound channel: Mono-channel or dual-channel.
Common template: Whether to set the template as a common template.
The created template will be displayed in the template list. You can view, edit, or delete the template, or set it as a common template.

**Preset templates**

For information about preset templates, see Preset Templates - Preset audio transcoding templates.

# Adaptive Bitrate Streaming Template

You can use the preset adaptive bitrate streaming template or create custom templates.
**Basic Information**
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Encapsulation format: HLS.
Encryption type: No encryption, SimpleAES, Widevine, or FairPlay.
Switch from Low Resolution to High Resolution: Enable or disable.
**Substream info**
Video encoding standard: H.264 or H.265.
Video bitrate: 0 or 128-35,000 Kbps.
Video resolution: Set the long and short sides or width and height of the video. Value range: 0 or 128-4096 px.
Video frame rate: 0-60 fps.
Audio encoding standard: AAC or MP3.
Sample rate: 32,000 Hz, 44,100 Hz, or 48,000 Hz.
Audio bitrate: 0 or 26-256 Kbps.
Sound channel: Mono-channel or dual-channel.
The templates created are displayed in the template list, where you can view, edit, or delete a template.
**Note:**
You need to add at least one substream to create an adaptive bitrate streaming template.
For preset templates, see Preset Templates - Preset adaptive bitrate streaming templates.

# Watermark Template

You can create a custom watermark template to add the watermark you upload to a specific position of the video.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).

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Watermark type: Image watermark, text watermark, or SVG watermark.
Watermark image: PNG and APNG images are supported. For better visual experience, transparent images in PNG format are recommended. The image cannot exceed 200 KB in size or 200 x 200 px in dimensions.
Watermark position: Upper left (default), upper right, lower left, or lower right.
Horizontal offset: The percentage indicates the ratio of the horizontal distance between the watermark and the origin (top-left corner by default) to the video width.
Vertical offset: The percentage indicates the ratio of the vertical distance between the watermark and the origin (top-left corner by default) to the video height.
Image size: You can resize the watermark by specifying the width and height in pixels or as a percentage of the original dimensions.
The watermark template list shows information including template name, format, type, position, and size. You can also preview watermarks or click the buttons in the operation column to view, edit, delete, or set a template as the default.
**Note:**
If the horizontal offset and vertical offset are both 0%, the watermark will be in the top-left corner of the video. If the horizontal offset and vertical offset are both 99%, the watermark will be in the bottom-right corner of the video.

# Screenshot Template

You can create screenshot templates to take different types of screenshots (time point, sampled, or image sprite) of uploaded videos.
The screenshot template list shows information including template name, screenshot type, and image size. You can click the buttons in the operation column to view details or edit or delete a template.

## Time point screenshot

Select time point screenshot as the screenshot type and **specify the time points to take screenshots in task flow settings.** For detailed directions, see Task Flow Settings.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Image format: JPG
Image dimension: 0 or 128-4096 px

### Preset templates

For information about preset templates, see Preset Templates - Preset time point screenshot templates.

## Sampled screenshot

Select sampled screenshot as the screenshot type.

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Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Image format: JPG
Image dimension: 0 or 128-4096 px
Sampling interval: Specify the interval as a percentage (up to 100%) of the total video duration, or specify the number of seconds between screenshots.

#### Preset templates

For information about preset templates, see Preset Templates - Preset sampled screenshot templates.

### Image sprite screenshot

Select image sprite screenshot as the screenshot type.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Image format: JPG
Image dimension: 0 or 128-4096 px
Sampling interval: Specify the interval as a percentage (up to 100%) of the total video duration, or specify the number of seconds between screenshots.
Rows: Enter a positive integer. The number of subimage rows multiplied by subimage columns must not exceed 100.
Columns: Enter a positive integer. The number of subimage rows multiplied by subimage columns must not exceed 100.

#### Preset templates

For information about preset templates, see Preset Templates - Preset image sprite templates.

## Animated Image Template

You can create an animated image template to take an animated screenshot with a specific duration. **You need to specify the time period for taking the screenshot in task flow settings.** For detailed directions, see Task Flow Settings.
Image type: WEBP or GIF
Frame rate: 1-30 fps
Image quality: 1-100
Image dimension: 0-1920 px

#### Preset templates

For information about preset templates, see Preset Templates - Preset animated image generation templates.

# Content Moderation Template

Select the **Content moderation** tab and click **Create template** to create a custom moderation template.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Template details:
Moderation Items: The moderation labels to use, which may include porn, terrorism, and moaning.
Label value: The values of the labels to use, which correspond to the `Label` parameter in ReviewAudioVideoTaskOutput.
Moderated content type: The type of content on which moderation will be performed. The following content types are supported:
Images ( `Form` in ReviewAudioVideoTaskOutput is `Image` )
Text in images ( `Form` in ReviewAudioVideoTaskOutput is `OCR` )
Speech ( `Form` in ReviewAudioVideoTaskOutput is `ASR` )
Sounds ( `Form` in ReviewAudioVideoTaskOutput is `Voice` )

| Moderation Item | Label Value | Moderated Content Type |
|---|---|---|
| Pornography | Porn | Images; text in images; speech. |
| Terrorism | Terror | Images; text in images; speech. |
| Moaning | Moan | Sounds |

The templates created are displayed in the template list, where you can view, edit, or delete a template.
**Note:**
A content moderation template can be used for both audio/video moderation and image moderation.
For image moderation, the moderated content types speech and sounds are not supported. For details, see Image Processing - Template Settings - Content Moderation Template.
For preset moderation templates, see Preset Templates - Preset audio/video moderation templates.

# Intelligent Recognition Template

You can directly use the system's preset Intelligent Recognition Template or create your own Definition Template according to business needs.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).

Content Recognition Configuration: Speech Text Recognition, Speech Translation, other recognition items (e.g., Face Recognition) temporarily support control display only, editing is not supported.
Speech Full Text Recognition enabled:
Speech Source Language: Simplified Chinese, English, Japanese, Cantonese.
Subtitle File Format: .vtt, .srt.
Speech Translation enabled:
Speech Source Language: Simplified Chinese, English, Japanese, Korean, Vietnamese, Malay, Thai, Portuguese, Turkish, Arabic, Spanish, Hindi, French.
Translation Target Language: Simplified Chinese, English, Japanese, Korean, French, Spanish, Italian, German, Turkish, Russian, Portuguese, Vietnamese, Bahasa Indonesia, Thai, Malay, Arabic, Hindi.
Subtitle File Format: .vtt, .srt.

### Preset Templates

For detailed parameters, see the Preset Parameter Template List - Preset audio/video Content Recognition templates.

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# Task Flow Configuration

Last updated：2023-06-19 15:56:20

A task flow may include multiple templates. It allows you to perform different tasks, including transcoding, watermarking, screencapturing, and moderation, on a file at the same time.
Log in to the VOD console. Select **Media Processing** > Task Flow Settings on the left sidebar. The page shows the information of task flows you created, including the task flow name, type, creation time, last modification time, and available operations.
Task Flow Name: The name you entered when creating the task flow.
Task Flow Type: Preset or custom.
Creation Time: The time when the task flow was created.
Last Modification Time: The time when the task flow was last modified.
Operation: Includes details of the tasks added to the task flow.

## Preset Task Flows

VOD provides five preset task flows, whose tasks include adaptive bitrate streaming, screencapturing (image sprite), and thumbnail generation.

| Task Flow Name | Tasks | Template Name (ID) |
|---|---|---|
| LongVideoPreset | Adaptive bitrate streaming | Adpative-HLS(10) |
| | Screencapturing | SpriteScreenshot(10) |
| | Thumbnail generation | TimepointScreenshot(10) |
| SimpleAesEncryptPreset | Adaptive bitrate streaming | Adpative-HLS-Encrypt(12) |
| | Screencapturing | SpriteScreenshot(10) |
| | Thumbnail generation | TimepointScreenshot(10) |
| WidevineFairPlayPrese | Adaptive bitrate streaming | Adpative-HLS-FairPlay(11) |
| | | Adpative-HLS-Widevine(13) |
| | Screencapturing | SpriteScreenshot(10) |
| | Thumbnail generation | TimepointScreenshot(10) |
| SDMC-WidevineFairPlayPreset | Adaptive bitrate streaming | SDMC-Adpative-HLS-FairPlay(31) |

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| | | |
|---|---|---|
| | | SDMC-Adpative-DASH-Widevine(41) |
| | Screencapturing | SpriteScreenshot(10) |
| | Thumbnail generation | TimepointScreenshot(10) |
| MultiDRMPreset | Adaptive bitrate streaming | Adpative-HLS-EncryptBase(14) |
| | | Adpative-HLS-Widevine(13) |
| | | Adpative-HLS-FairPlay(11) |
| | Screencapturing | SpriteScreenshot(10) |
| | Thumbnail generation | TimepointScreenshot(10) |

# Custom Task Flows

1. Log in to the VOD console. On the **Task Flow Settings** page, click **Create Task Flow**, and complete the following settings:

Task Flow Name: Enter a name not longer than 20 characters. It can contain Chinese characters, letters, numbers, hyphens (-), and underscores (_).

Configuration Item: You can select tasks including general transcoding, TSC transcoding, adaptive bitrate streaming, screencapturing, thumbnail generation, animated image generation, and content moderation. You must select at least one item. For more information, see Task configuration.

2. After configuring the tasks, click **Submit**, and the task flow is created successfully.

**Task configuration**

| Task | Preset/Custom Template Support | Supported Templates |
|---|---|---|
| General transcoding | Transcoding templates:<br>Preset supported<br>Custom supported | Transcoding templates: Select a template from the drop-down list. You can add multiple transcoding templates to a task flow. If existing templates don't meet your needs, you can create one in Template Settings.<br>Watermark templates: You can configure a watermark for each transcoding template. If existing watermark templates don't meet your needs, you can create one in Template Settings. |
| TSC transcoding | Transcoding templates:<br>Preset supported<br>Custom supported | Transcoding templates: Select a template from the drop-down list. You can add multiple transcoding templates to a task flow. If existing templates don't meet your needs, you can create one in Template Settings. |

| | | |
|---|---|---|
| | | Watermark templates: You can configure a watermark for each transcoding template. If existing watermark templates don't meet your needs, you can create one in Template Settings. |
| Adaptive bitrate streaming | Adaptive bitrate streaming templates: Preset supported Custom supported | Adaptive bitrate streaming templates: Select a template from the drop-down list. You can add multiple adaptive bitrate streaming templates to a task flow.<br>Watermark templates: You can configure a watermark for each adaptive bitrate streaming template. If existing watermark templates don't meet your needs, you can create one in Template Settings. |
| Remuxing | Transcoding templates: Preset supported | Transcoding templates: Select a template from the drop-down list. You can add multiple remuxing templates to a task flow. |
| Screencapturing | Screenshot templates: Preset supported Custom supported | Screenshot templates: Select a time point screenshot template, a sampled screenshot template, or an image sprite screenshot template from the drop-down list. **For time point screenshot templates, you need to specify the time points to take screenshots**. If existing templates don't meet your needs, you can create one in Template Settings.<br>Watermark templates: You can configure a watermark for each time point or sampled screenshot template. If existing watermark templates don't meet your needs, you can create one in Template Settings. |
| Thumbnail generation | Screenshot templates: Preset supported Custom supported | Screenshot templates: **Only time point screenshot templates are supported**. You can specify the time point either as an offset or a percentage. If existing templates don't meet your needs, you can create one in Template Settings.<br>Watermark templates: You can configure a watermark for each screenshot template. If existing watermark templates don't meet your needs, you can create one in Template Settings. |
| Animated image generating | Animated image generation templates: Preset supported Custom supported | Animated image generation templates: You can add multiple animated image generation templates to a workflow. For each template, you need to **specify the time period for generating the animated image**. If existing templates do not meet your needs, you can create one in Template Settings. |
| Content moderation | Content moderation templates Preset supported Custom supported | Content moderation templates: You can add only one moderation template to a workflow. If existing templates do not meet your requirements, you can create one in Template Settings. |

**Note:**

You can only add existing templates to a workflow.

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# Image Processing Settings
# Template Configuration

Last updated：2023-04-17 15:01:47

Log in to the VOD console and select **Application Management** on the left sidebar.
1. Select the target application.
2. Select **Media Processing > Template Settings** on the left sidebar. Templates related to image processing include **image processing templates and content moderation templates**.

## Image Processing Template

Select **Image Processing Template** and click **Create Image Processing Template**.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
How to process: Scale or crop.
Scale:
Width: Specify the output width (pixels). Value range: 1-9999. **Do not select** this if you want the width to be scaled proportionally.
Height: Specify the output height (pixels). Value range: 1-9999. **Do not select** this if you want the height to be scaled proportionally.
Crop:
Crop to circle
Radius: Specify the radius (greater than 0) of the output circle.
Crop to rectangle
Target size: Specify the width (pixels) and height (pixels) of the output rectangle. Value range: 1-9999.

**Preset templates**

For information about preset image processing templates, see Preset Templates - Image Processing.

## Content Moderation Template

Select the **Content moderation** tab and click **Create template**.
Template name: Up to 64 characters; supports Chinese characters, letters, digits, spaces, underscores (_), hyphens (-), and periods (.).
Template details:

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Moderation Items: The moderation labels to use, which may include porn, terrorism, politically sensitive, ads, illegal, and abuse.
Label value: The values of the labels to use, which correspond to the `Label` parameter in ReviewImageResult.
Moderated content type: The type of content on which moderation will be performed. The following content types are supported:
Images ( `Form` in ReviewImageResult is `Image` )
Text in images ( `Form` in ReviewImageResult is `OCR` )

| Moderation Item | Label Value | Moderated Content Type |
|---|---|---|
| Pornography | Porn | Images; Text in images. |
| Terrorism | Terror | Images; Text in images. |
| Politically sensitive | Polity | Images; Text in images. |
| Ads | Ad | Images; Text in images. |
| Illegal | Illegal | Images; Text in images. |
| Abusive | Abuse | Text in images |

The templates created are displayed in the template list, where you can view, edit, or delete a template.
**Note:**
A content moderation template can be used for both image moderation and audio/video moderation.
For audio/video moderation, the content types speech and sounds are also supported. For details, see Video Processing Settings - Templates Settings - Moderation Template.
For preset templates, see Preset Templates - Image moderation templates.

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# Distribution and Playback Settings
# Managing Domain Names
# Customizing Domain Names

Last updated：2022-07-15 14:30:45

## Overview

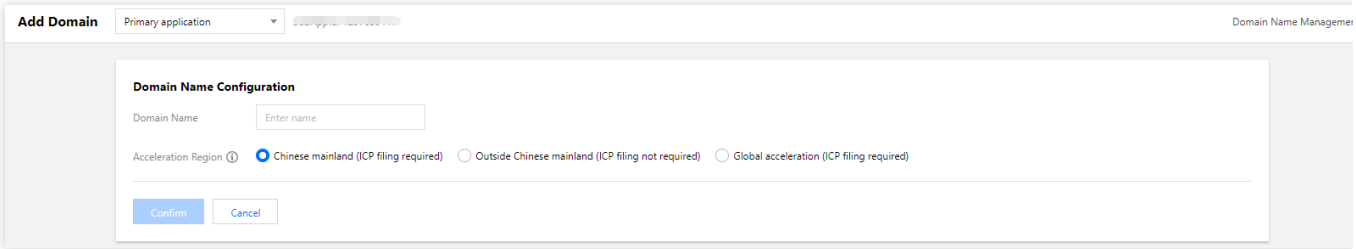
After you activate VOD, the system will assign you a default domain name ( `xxx.vod2.myqcloud.com` ). This domain will be used for all your VOD resources by default. You can also add your own domain name in the VOD console (you need to resolve it before use).

## Prerequisites

You have activated the VOD service. For details, see Purchase Guide.
Your domain must have an ICP filing number if you intend to offer services in the Chinese mainland.

## Adding a Domain Name

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. By default, you will enter the **Media Assets > Video Management > Uploaded** page.
4. Select **Distribution and Playback > Domain Name** on the left sidebar, click **Add Domain**, enter the name of your domain, and click **Confirm**.




**Note:**

Wait for 5-10 minutes and you can view the status, CNAME, and type of the domain added on the **Domain Management** page.

One Tencent Cloud account can add up to 20 domain names.

**Note:**

A small amount of traffic will be consumed even if you do not bind your domain with videos because a small number of packets are returned.

# Custom Origin Server Domains

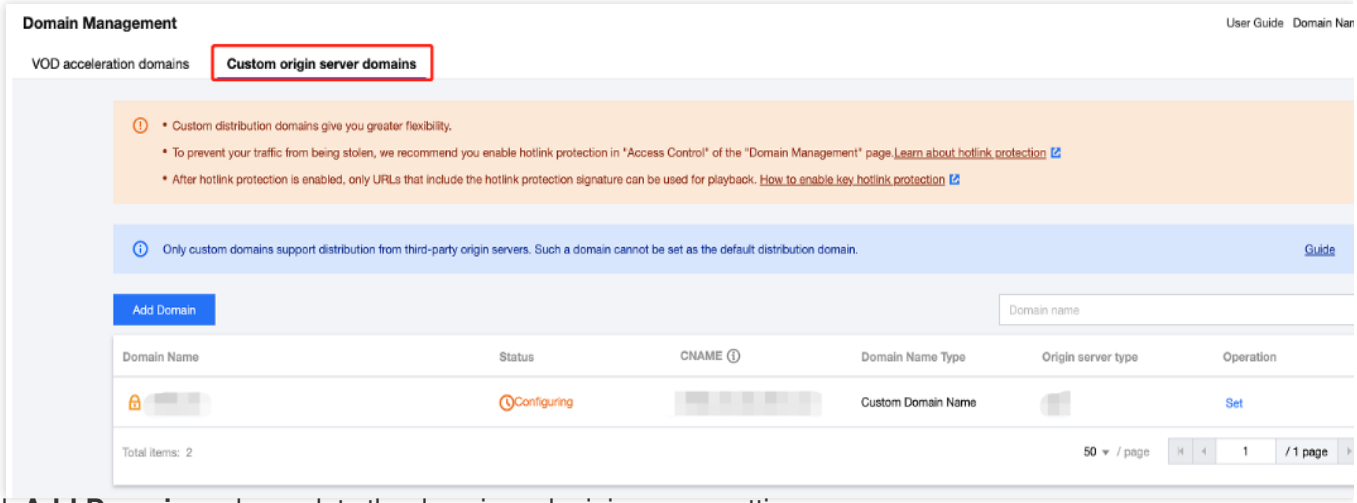
Last updated：2023-04-17 15:01:47

## Overview

VOD allows you to distribute media stored in a self-owned origin server or third-party storage service via VOD's CDN. To use this feature, you need to add a custom domain in VOD and configure origin server information such as the origin server type, protocol, and origin server address (you can only configure origin servers for custom domains).

## Directions

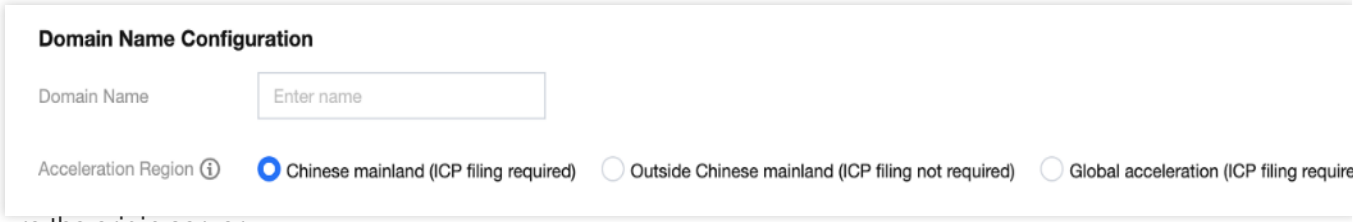
1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. You will be directed to the **Service Overview** page.
4. Select **Distribution and Playback** > **Domain Name** on the left sidebar.
5. Select the **Custom origin server domains** tab at the top.



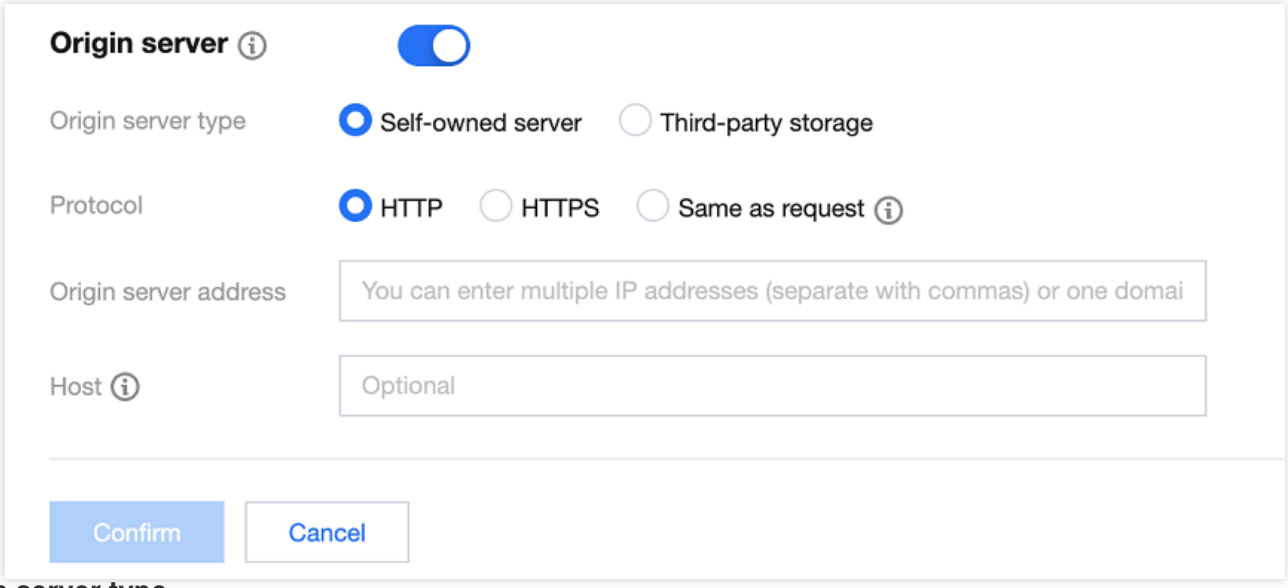

6. Click **Add Domain** and complete the domain and origin server settings:

Configure the domain

Enter your domain name and select the acceleration region. For detailed directions, see Customizing Domain Names.




Configure the origin server




**Origin server type**

VOD supports two types of origin servers: self-owned servers and third-party storage services (two third-party services are supported currently).

| | |
|---|---|
| Self-owned server | An existing server with stable performance. You can enter multiple IP addresses or one domain name. |
| Third-party storage service | A non-Tencent Cloud third-party storage service. Currently, Alibaba Cloud OSS and AWS S3 are supported. |

**Protocol**

The protocol used when a CDN cache node pulls data from your origin server. HTTP and HTTPS are supported.

| | |
|---|---|
| HTTP | HTTP is used for both HTTP and HTTPS requests. |
| HTTPS | HTTPS is used for both HTTP and HTTPS requests. |
| Same as request | HTTP will be used for HTTP requests, and HTTPS will be used for HTTPS requests. |

**Note:**

If you select HTTPS, make sure your origin server supports HTTPS. Otherwise, VOD will fail to pull data from it.

**Origin server address**

| | |
|---|---|
| Self-owned server | You can enter multiple IP addresses (separate with commas) or one domain. |
| Third-party storage service | If your content is stored in the bucket of a third-party storage service, enter a valid address of the bucket (cannot contain `http://` or `http://` headers). Currently, Alibaba Cloud OSS and AWS S3 are supported.<br>If you use a private bucket, you need to enter a valid access key and ID to authorize VOD to access the bucket, For more information, see Access Key Obtaining Guidelines. |

**Note:**

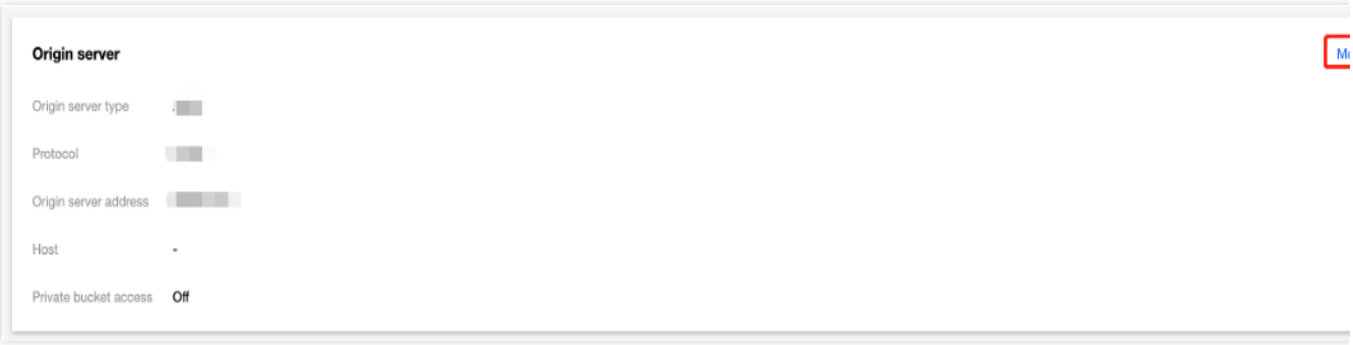
For self-owned origin servers, you can specify the host of a domain or IP address that VOD pulls from. If you do not specify it, VOD will pull from the current domain.

7. After adding a custom domain in VOD, for end users to access your content via the domain, you need to add a CNAME record for it at your DNS provider. For detailed directions, see Customizing Domain Names.

# Modifying Origin Server Information

You can modify the origin server information of a custom domain.

1. Go to **Domain Name** and select the **Custom origin server domains** tab, find the target domain, and click **Set**.
2. Click **Modify** to modify the origin server information. It takes about five minutes for modifications to take effect.




**Note:**

To change a custom origin server domain to a VOD domain, you need to disable the domain, remove it as a custom origin server domain, and add it again under the **VOD acceleration domains** tab.

If you want to configure an origin server for a VOD domain, you need to disable the domain, remove it as a VOD acceleration domain, and add it again under the **Custom origin server domains** tab.

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# Managing Domain Names

Last updated：2023-05-25 17:59:07

You can perform certificate management on existing domain names.

## QUIC Acceleration

The QUIC (Quick UDP Internet Connections) acceleration feature of Tencent Cloud VOD is based on the globally deployed acceleration network of Tencent Cloud, supporting content delivery
using the QUIC protocol to improve the efficiency of content delivery
during video playback and stability in weak network environments.

### Usage

#### Enabling QUIC Acceleration

1.
Log in to the Tencent Cloud VOD console and click "Application Management" on the left navigation bar to enter the application list page.
2. Find the target application and click on its name to enter the application management page.
3. Select "Distribution and Playback" > "Domain Name" on the left navigation bar.
4. Click on the ”set“ button
of the target domain to enable the QUIC acceleration feature on the Basic Configuration page.

注意：

Before enabling the QUIC Acceleration feature, please make sure that the domian name have an https certificate(SSL or TLS) configured.

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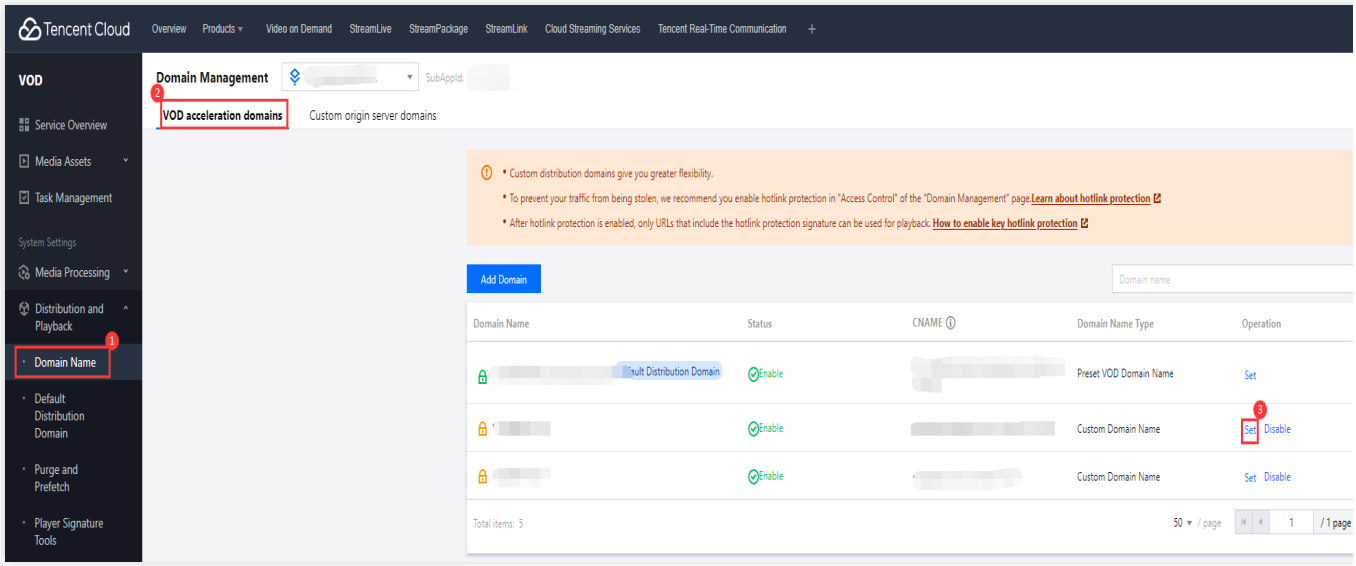
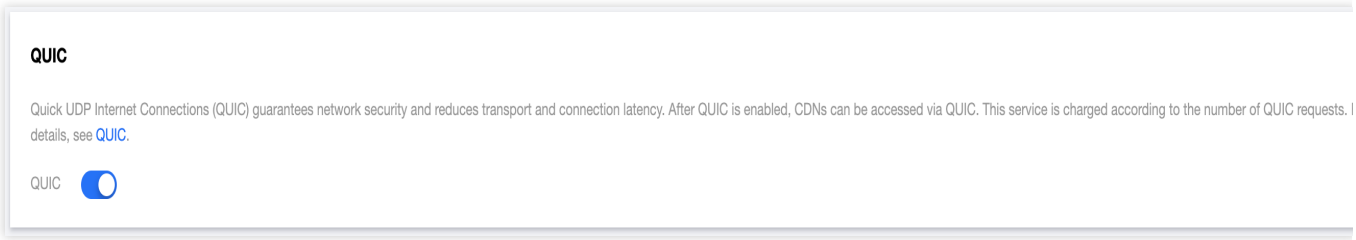
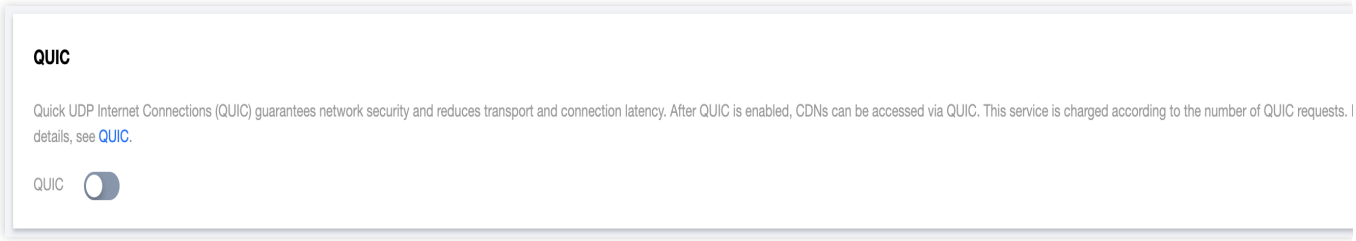



### Disable QUIC Acceleration

On the "Custom Origin Server Domains" page, you could disable the QUIC Acceleration feature.




**说明：**

The QUIC Acceleration feature needs to be used in conjunction with a player that supports QUIC. You can contact us to obtain a player SDK that supports the QUIC function.

Only custom domain names support enabling the QUIC Acceleration feature.

#### Billing Details

QUIC access is a value-added service, and is billed according to the number of QUIC Acceleration requests. For the billing method, see QUIC Acceleration.

## Certificate Management

1. Log in to the VOD console and click **Distribution and Playback** > **Domain Name** on the left sidebar.
2. Click **Set** in the row of the target domain name to enter the configuration page.
3. Click **Access Control**, and then toggle **Use Certificate** on or off.

**Caution：**

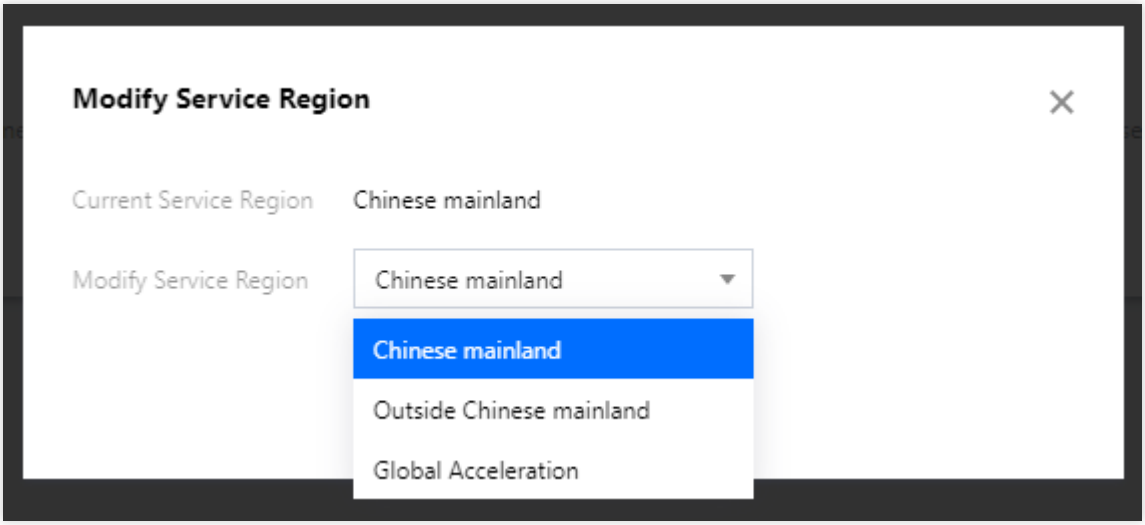
A certificate can be set only for a custom domain name.

## Overseas CDN configuration

1.

Log in to the Tencent Cloud VOD console and click "Application Management" on the left navigation bar to enter the application list page.

2. Find the target application and click on its name to enter the application management page.
3. Select "Distribution and Playback" > "Domain Name" on the left navigation bar.
4. Click Settings in the row where the target domain name is located to enter the domain name related settings page.
5. In the basic configuration, click Modify after the acceleration area field, you can select acceleration outside China according to actual needs, click OK to save the settings (the waiting time for the configuration to take effect is about 5 minutes), and the specific prices of acceleration services in China and outside China can be found in Daily subscriptions (postpaid) or resource packs (prepaid).



# Setting Hotlink Protection

Last updated：2022-08-04 16:07:08

VOD offers hotlink protection solutions that allow you to use a key or referer field to control playback permissions.

**Note:**

Once configured, it will take around 5 minutes for the hotlink protection to take effect on all CDN nodes.

## Referer Hotlink Protection

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Find the target application and click its name.
3. Select **Distribution and Playback > Domain Name** on the left sidebar.
4. Click **Set** in the row of the target domain name to enter the configuration page.
5. Under the **Access Control** tab, toggle on **Referer Hotlink Protection**, and complete the following settings:

Whether to allow empty referer

Referer Type: If you select **Blocklist**, the domains entered will be blocked; if you select **Allowlist**, only requests from the domains entered will be accepted.

6. Click **Confirm**.

**Note:**

For more information, see Referer Hotlink Protection.

## Key Hotlink Protection

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Find the target application and click its name.
3. Select **Distribution and Playback > Domain Name** on the left sidebar.
4. Click **Set** in the row of the target domain name to enter the configuration page.
5. Under the **Access Control** tab, toggle on **Key Hotlink Protection**, and complete the following settings:

5.1 Click **Generate** to generate a hotlink protection key.

5.2 Copy the key.

6. Click **Confirm**.

**Note:**

For more information, see Key Hotlink Protection.

Currently, the preview feature of key hotlink protection does not support audio files.

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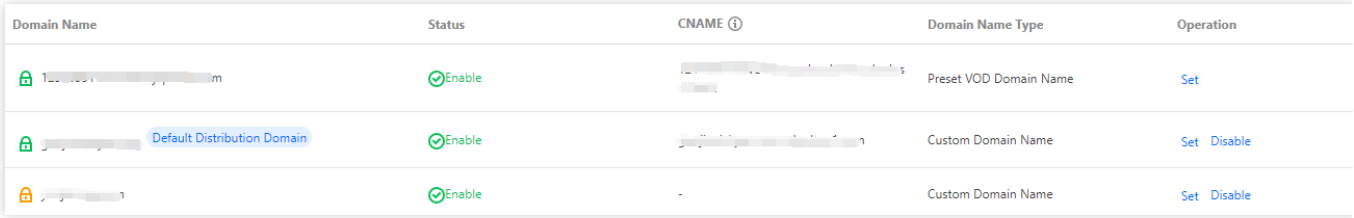
# Configuring CNAME

Last updated：2022-05-31 10:28:41

After you add your domain name to VOD, the system will automatically assign you a CNAME domain name (suffixed with `.cdn.dnsv1.com`), which you can check on Domain Management in the VOD console. The automatically assigned CNAME domain name cannot be accessed before you complete the CNAME configuration at your DNS service provider.




## Wanwang

If your DNS service provider is Wanwang, use the following steps to add a CNAME record:

1. Log in to the Wanwang Member Center.
2. On the left sidebar, click **Product Management** > **My Cloud Resolution** to enter the cloud resolution list page.
3. Click the domain name to be resolved to enter the resolution record page.
4. On the resolution record page, click "Add Resolution" to set a resolution record.
5. To set a CNAME record, select CNAME as the record type. Enter the host record (such as `www`) as needed, which is the domain name prefix. Enter the domain name pointed to by the current domain name as the record value. Retain the default settings of the resolution line and TTL.
6. After completing the settings, click **Save**.

## Xinnet

If your DNS service provider is Xinnet, you can add a CNAME record in the following steps:

**Set an alias (CNAME record)**

CNAME record, aka alias record, allows you to map multiple names to the same computer and is generally used for computers providing both www and mail services. For example, a computer named `host.mydomain.com` (A record) provides both www and mail services. To facilitate user access, you can set two aliases (CNAME records) for this computer: `WWW` and `MAIL`.

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# Verifying the Effectiveness of a CNAME Record

The time for a CNAME record to take effect varies by DNS service provider. It is generally within half an hour. You can also check whether the CNAME record is in effect in the following ways:

Method 1: Click **Start** → **Run** → enter `cmd` , press Enter, and enter the PING command to check whether the CNAME is effective. If the resolution result returned is the same as the CNAME of the domain name, the CNAME configuration is effective.

Method 2: Click **Start** → **Run** → enter `cmd` , press Enter, and enter the nslookup command to check whether the CNAME is effective. If the resolution result returned is the same as the CNAME of the domain name, the CNAME configuration is effective.

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# Default Distribution Configuration

Last updated：2022-10-26 16:57:08

## Overview

On the **Default Distribution Domain** page, you can perform the following actions:
1. View and modify the default distribution domain.
You can access your videos through your own domain after adding the domain in the console and configuring a CNAME for it. However, to update the hosts of the video URLs obtained through APIs or from the console, you need to modify the default distribution domain information in the VOD console.
2. View and modify the playback key.
A playback key is used to generate a player signature. A playback device can access the content only within the validity period of the signature.

## Directions

1. Log in to the VOD console and select **Application Management** on the left sidebar.
2. Select the target application.
3. By default, you will be directed to **Media Assets > Video Management > Uploaded**.
4. Select **Distribution and Playback > Default Distribution Domain** on the left sidebar.
5. Click **Edit** on the right to modify the default distribution domain information.
Default distribution protocol: HTTP or HTTPS.
Default distribution domain: By default, the domain assigned by the system ( `xxx.vod2.myqcloud.com` ) is used. You can also use your own domain after adding it in the console and configuring a CNAME for it.
Playback key: A random playback key is assigned by the system when you sign up. You can modify this key. Please note that if you are already using the key in a production environment, changing it will invalidate the signature generated based on the key.

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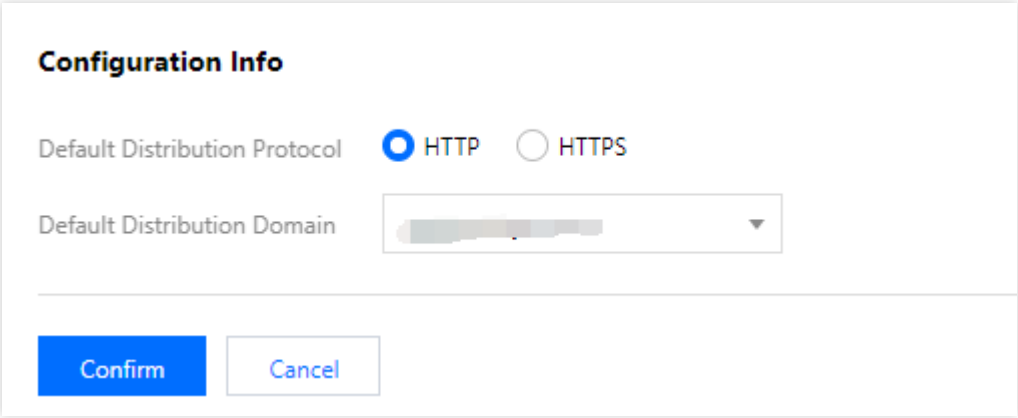
Configuration Info
Default Distribution Protocol
HTTP
HTTPS
Default Distribution Domain
Confirm
Cancel

# Purge and Prefetch

Last updated：2023-01-18 14:43:16

## Overview

Purge and prefetch is the update mechanism for resources cached in CDN nodes. This document describes how to purge and prefetch resources based on `FileId` and `URL` in VOD.

**Note:**

A `FileId` is the ID of an audio/video media file in VOD. A `FileId` is used for all operational outputs (e.g., transcoding or screencapturing) of a file. Therefore, when you purge or prefetch a `FileId`, both the original video file and the output files (e.g., transcoded videos and screenshots) will take effect.

`URL` is the audio/video URL in VOD. `URL` is specific to an audio/video media file. Therefore, when you purge or prefetch a `URL`, only the corresponding file will take effect.

## Cache Purge

1. Log in to the VOD console and select **Distribution and Playback** > **Purge and Prefetch** on the left sidebar to enter the "Cache Purge" page by default.
2. Enter the FileId or URL of the resources to be purged and separate them line by line. You can submit up to 10 FileIds or 20 URLs at a time.

Click **Submit** to start the purge. It will take around 10 minutes to complete.

**Note:**

Once you perform a cache purge on a resource, the system will delete the existing cache of the resource from the CDN nodes across the network. When a user request arrives at a node, the node will pull the corresponding resource from the origin server, return the request, and cache the resource, ensuring that the user obtains the latest resource.

## Content Prefetch

1. Log in to the VOD console and select **Distribution and Playback** > **Purge and Prefetch** on the left sidebar to enter the "Cache Purge" page by default.
2. Click **Content Prefetch** to enter the "Content Prefetch" page.
3. Enter the FileId or URL of the resources to be prefetched and separate them by line by line. You can submit up to 10 FileIds or 20 URLs at a time.

Click **Submit** to start the prefetch. It will take around 10 minutes to complete.

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**Note:**

When a resource is prefetched, it will be cached in advance to all the CDN nodes across the network. When a user request arrives at a node, the resource can be directly obtained, and response time is shortened.

# Operation Record

1. Log in to the VOD console and select **Distribution and Playback** > **Purge and Prefetch** on the left sidebar to enter the "Cache Purge" page by default.
2. Click **Operation Record** to enter the "Operation Record" page.
3. This page displays your purge and prefetch records, including operation type, operation object, operation time, status, and progress. You can query by time or content.

**Note:**

The current console only supports viewing the operation records of File ID cache refresh and content warming.

# Package Management
# Viewing Deduction Details

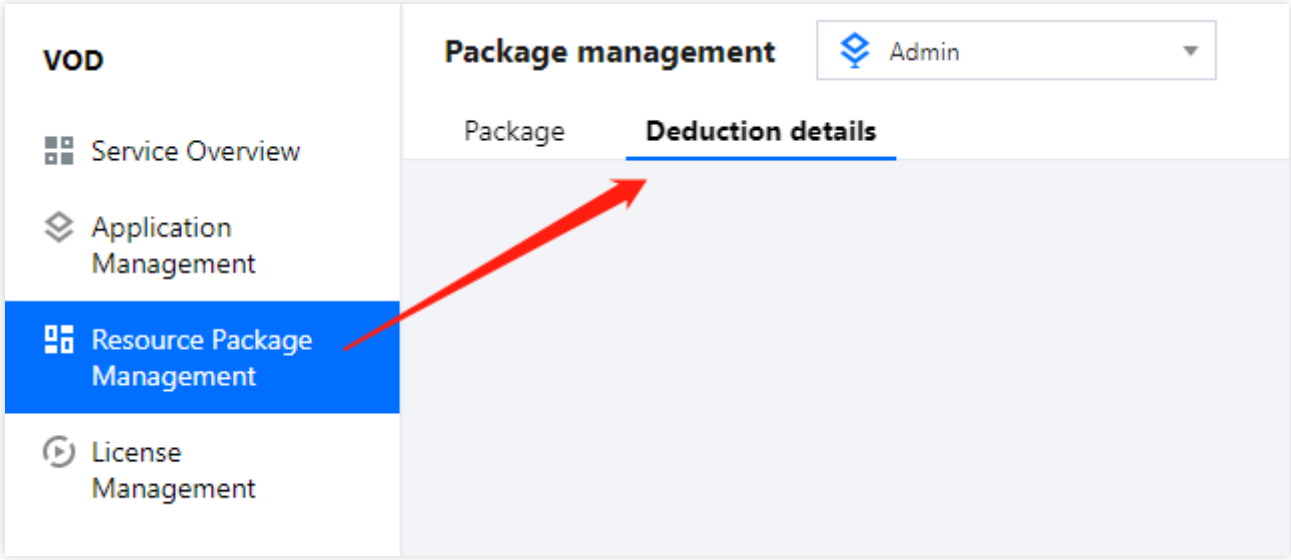
Last updated：2023-05-15 17:28:47

## Overview

In the VOD console, you can view the deduction details of your packages, including the deduction types of transcoding packages and the usage of storage packages.

## Viewing Deduction Details

Log in to the VOD console, select **Resource Package Management** on the left sidebar, and click Deduction details.




### Storage package

Under the **Storage** tab, you can view the deduction details of storage packages. The fields shown include package ID, package specifications, region, deduction type, deduction ratio (compared to Chinese mainland-STANDARD), actual usage, and deduction time. To learn more about the deduction rules, see Prepaid Packages.

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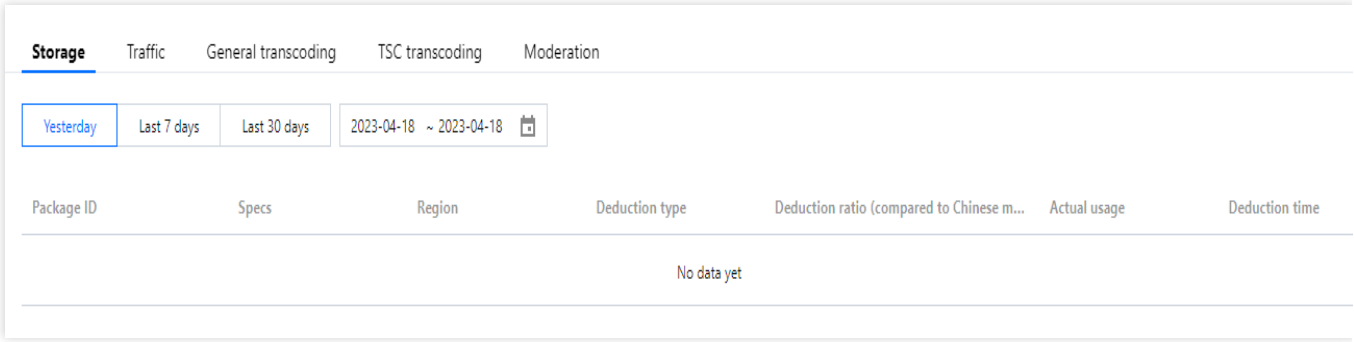
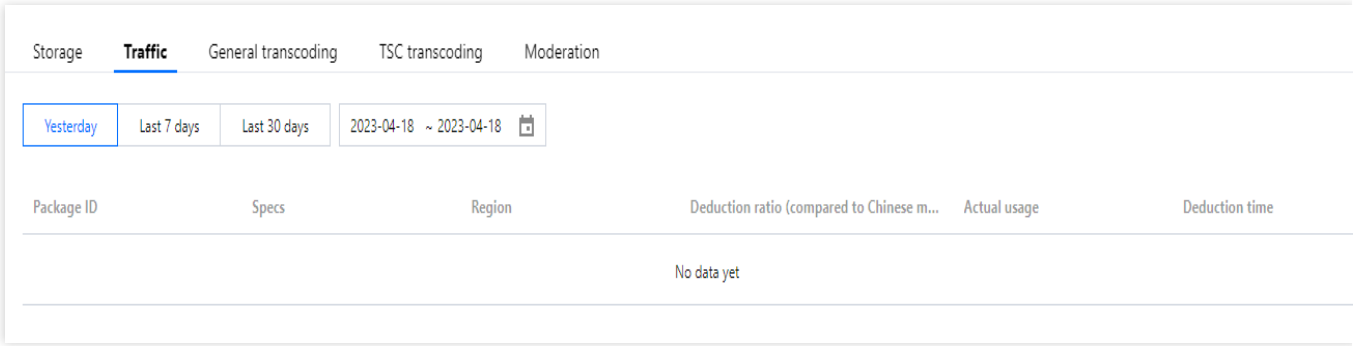



**Note:**

**About deduction**: Usage inside and outside the Chinese mainland is deducted at a ratio of 1:1 and 1:1.2 respectively. Usage inside the Chinese mainland is deducted first.

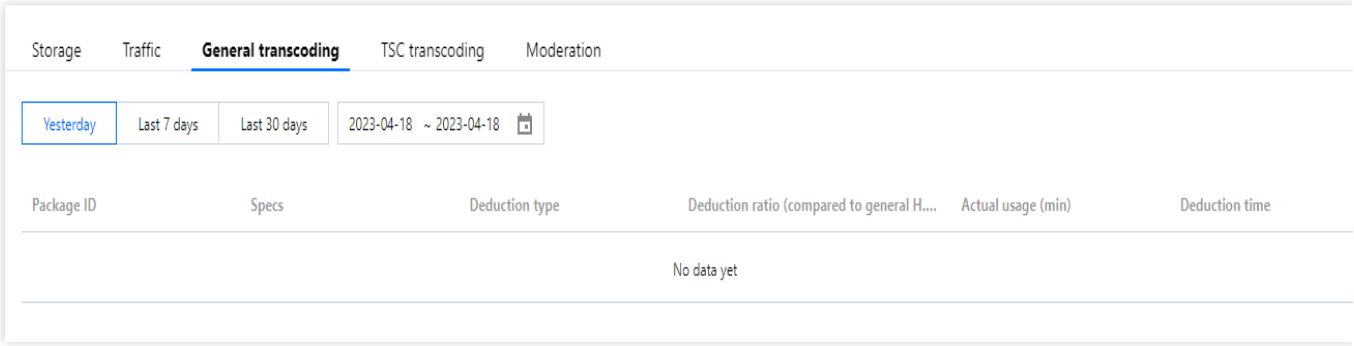
## Traffic package

Under the **Traffic** tab, you can view the deduction details of traffic packages. The fields shown include package ID, package specifications, region, deduction ratio (compared to Chinese mainland), actual usage, and deduction time. To learn more about the deduction rules, see Prepaid Packages.



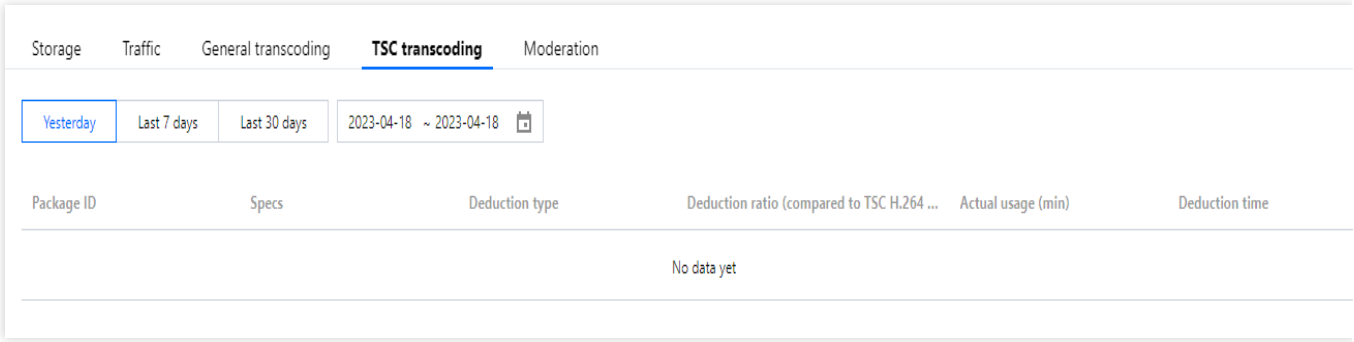

## General transcoding package

Under the **General transcoding** tab, you can view deduction details of general transcoding packages. The fields shown include package ID, package specifications, deduction type, deduction ratio (compared to general H.264 SD), actual usage (min), and deduction time. To learn more about the deduction rules, see Prepaid Packages.



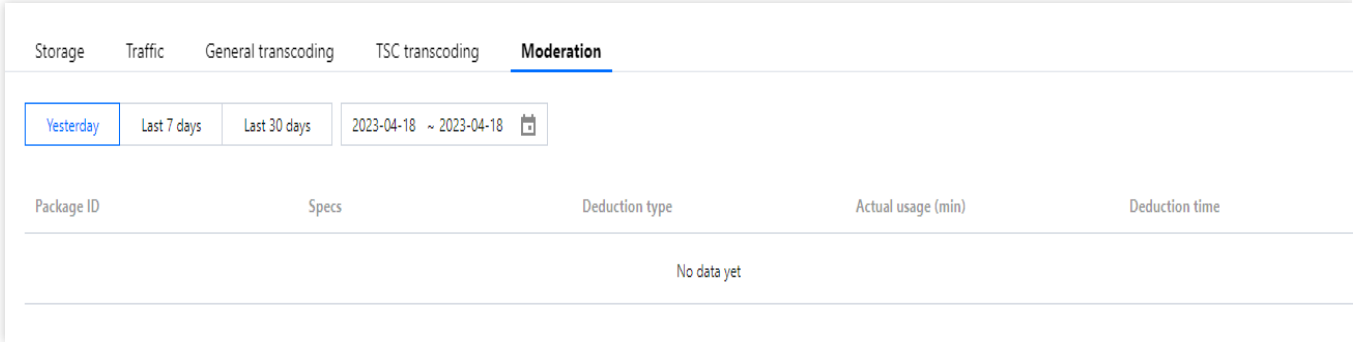

## Top Speed Codec (TSC) transcoding package

Under the **TSC transcoding** tab, you can view deduction details of TSC transcoding packages. The fields shown include package ID, package specifications, deduction type, deduction ratio (compared to TSC H.264 SD), actual usage (min), and deduction time. To learn more about the deduction rules, see Prepaid Packages.




## Moderation package

Under the **Moderation** tab, you can view deduction details of moderation packages. The fields shown include package ID, package specifications, deduction type, actual usage (min), and deduction time. To learn more about the deduction rules, see Prepaid Packages.




**Note:**

**Daily billing**: If the bill for the current billing cycle hasn't been generated yet, this page will show your usage data for the previous cycle. For example, suppose your bill is generated at 15:00 on January 3. Before 15:00 on January 3, because the usage for January 2 has not been deducted yet, this page will show data as of January 1. After 15:00 on January 3, this page will show data as of January 2.
**Monthly billing**: If the bill for the current billing cycle hasn't been generated yet, this page will show your usage data for the previous cycle. For example, suppose your bill is generated at 15:00 on March 1. Before 15:00 on March 1, because the usage for February has not been deducted yet, this page will show data as of January. After 15:00 on March 1, this page will show data as of February.

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# Packages

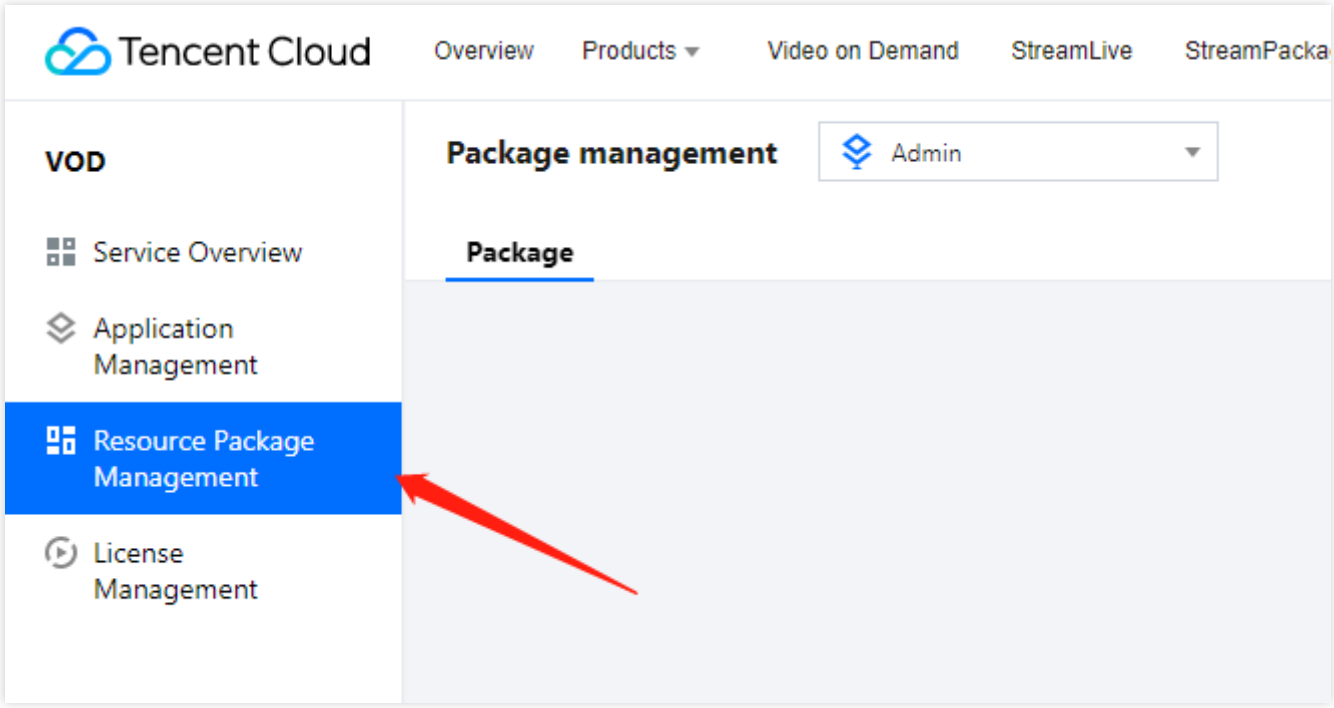
Last updated：2023-04-20 12:10:58

## Overview

You can view your usage of storage packages, general transcoding packages, traffic packages, Top Speed Codec (TSC) transcoding packages, moderation packages, and [starter package] in the VOD console.

## Viewing Purchased Packages

1. Log in to the VOD console, select **Resource Package Management** on the left sidebar, and select the **Resource Package** tab.




2. On this page, you can view the usage, claim/purchase time, expiration time, current status, and auto-renewal status of the packages you purchased. The data on this page is not updated in real time. The update cycle is the same as your billing cycle. For details, see Must-Knows.

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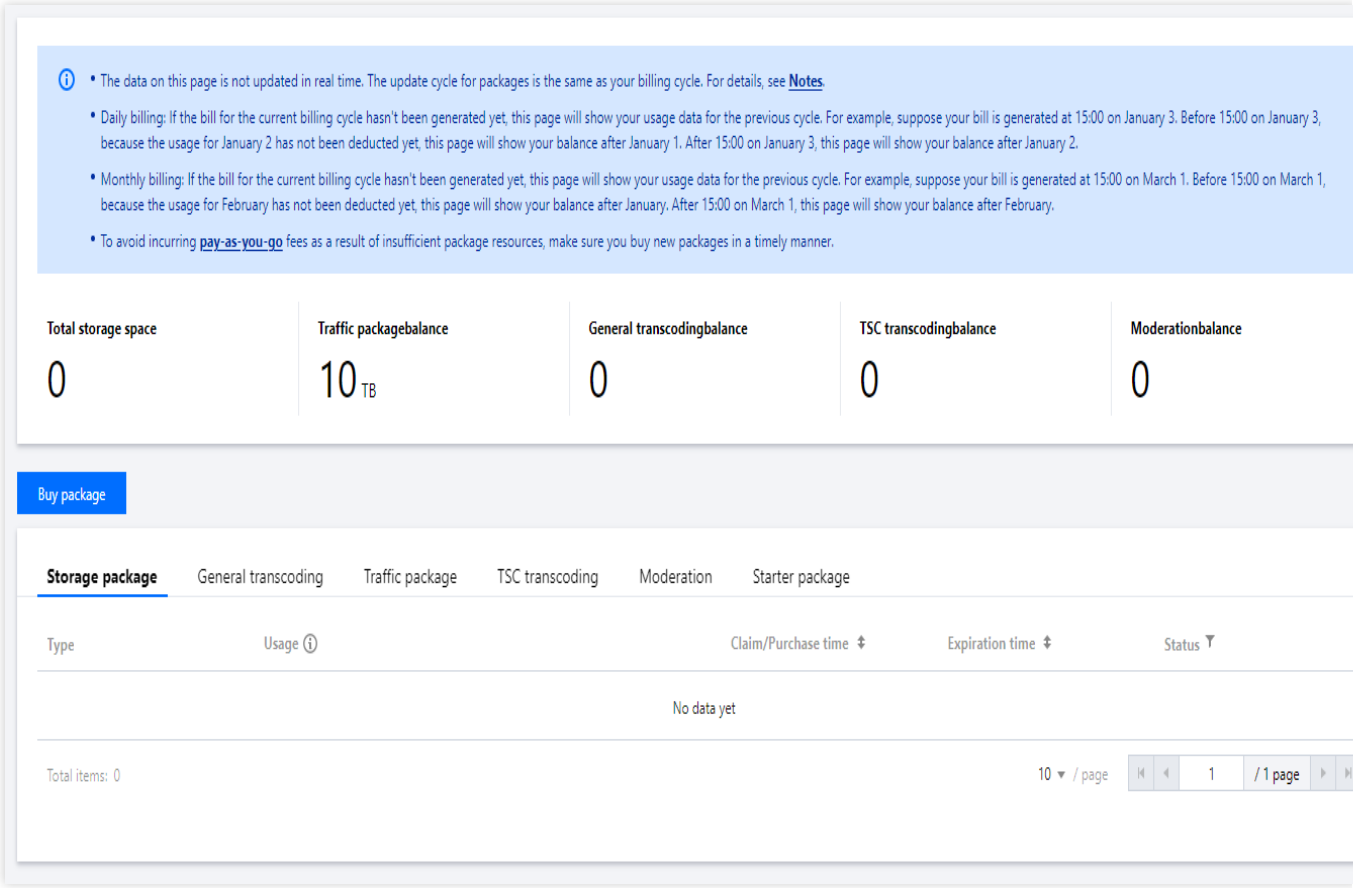


**Note:**

**Daily billing**: If the bill for the current billing cycle hasn't been generated yet, this page will show your usage data for the previous cycle. For example, suppose your bill is generated at 15:00 on January 3. Before 15:00 on January 3, because the usage for January 2 has not been deducted yet, this page will show your balance after January 1. After 15:00 on January 3, this page will show your balance after January 2.

**Monthly billing**: If the bill for the current billing cycle hasn't been generated yet, this page will show your usage data for the previous cycle. For example, suppose your bill is generated at 15:00 on March 1. Before 15:00 on March 1, because the usage for February has not been deducted yet, this page will show your balance after January. After 15:00 on March 1, this page will show your balance after February.

## Type

Package types include storage package, traffic package, general transcoding package, TSC transcoding package, and moderation package.

## Usage

Used: The current usage of a package.

**Note:**

For the starter package, if the **traffic** in the package is exhausted, the status of the package will be **Exhausted**.

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### Expiration time

A package is valid for one year.

This page only shows packages whose **expiration time** is within one year from the current date.

### Status

The status of a package can be available, exhausted, and expired.

Available: If a package still has remaining resources and is within its validity period, its status will be **Available**.

Exhausted: If a package is exhausted and is still within its validity period, its status will be **Exhausted**.

Expired: A package is valid for one year. When a package exceeds its validity period, its status will be **Expired**.

### Expiration alerts

Seven days, three days, and one day before a package expires, VOD will send alerts via SMS to your account creator and all its collaborators.

### Exhaustion alerts

If a package under your account is the only one of its type still available, when its balance reaches 30% or 10%, VOD will send an alert via SMS to your account creator and all its collaborators.

If you have multiple packages of the same type, exhaustion alerts will only be sent for the last remaining package.

**Note:**

Exhaustion alerts are not sent for storage packages.

For a starter package, when the **remaining traffic** in the package reaches 30% or 10%, an exhaustion alert will be sent.

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# License Management
# User Generated Short Video SDK License
# Managing Trial License

Last updated：2022-03-14 15:05:12

A UGSV SDK license is used to activate the use rights of the UGSV SDK. You can apply for, renew, and view a trial license in the console. For more information on UGSV SDK features, see UGSV.

## Trial License Application

You can apply for a trial license to try out various features available in the UGSV SDK Basic Edition for free. The license is valid for 14 days upon initial application and can be renewed for 14 days (with a validity period of up to 28 days). The steps are as follows:

### Step 1. Create a trial license

1. Log in to the VOD console as an admin and select **UGSV SDK License** on the left sidebar.
2. Click **Edit** in the top-right corner and enter the **App Name**, **Package Name**, and **Bundle ID**.
3. Click **Confirm**.

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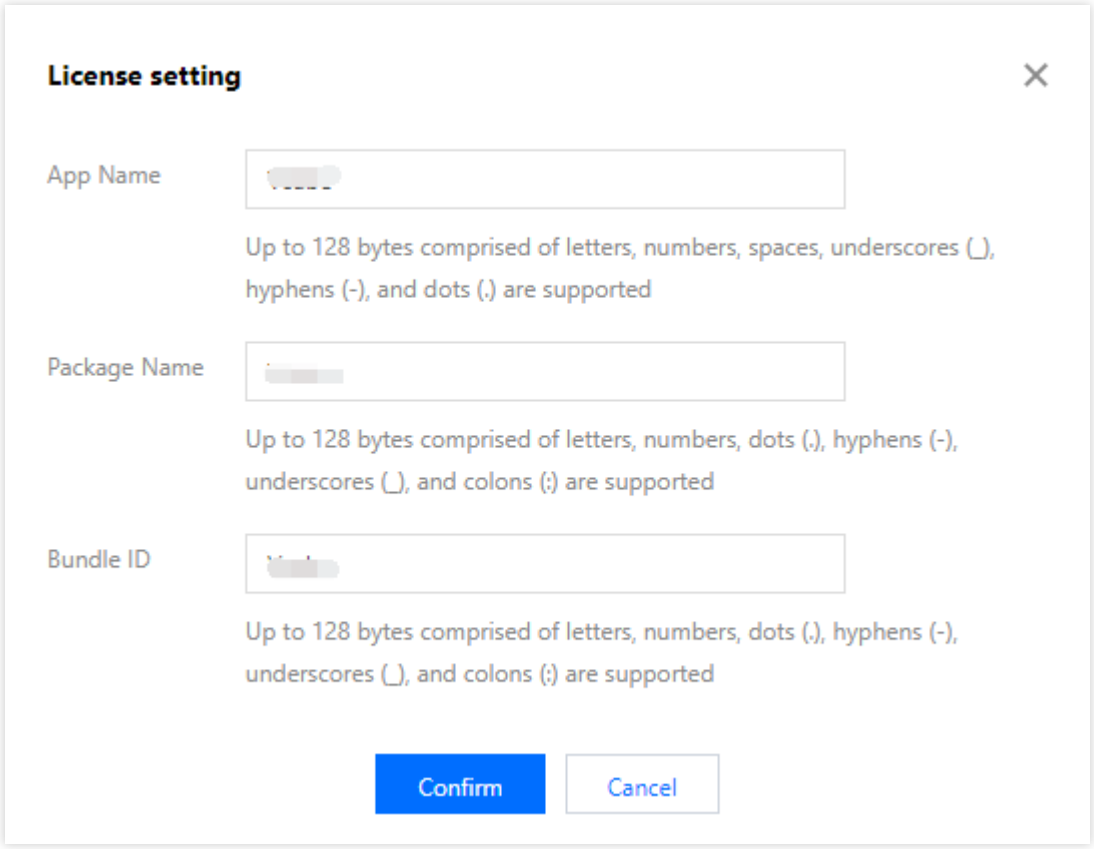


## Step 2. Save the trial license

After the free trial license is successfully created, the page will display the information of the generated license. You need to pass in two parameters `Key` and `LicenseUrl` during initial SDK configuration. Please save the following information properly.

# Trial License Renewal

You can check the validity period of the trial license in the VOD console, which is up to 28 days. Before the trial license expires in 14 days after application, you need to renew it by following the steps below:

### Step 1. Apply for license renewal

Go to the **UGSV SDK License** page and click **Renew** in the top-right corner of the trial license section.

### Step 2. Complete license renewal

After the pop-up window prompts that the renewal is successful, the **Renew** button in the top-right corner will disappear, indicating that the trial license is renewed for 14 days.

# Trial License Query

After the license is configured successfully, wait for a while (subject to the network conditions) and then you can view the license information by calling the following methods:
iOS:

```
NSLog(@"%@", [TXUGCBase getLicenceInfo]);
```

Android:

```
TXUGCBase.getInstance().getLicenceInfo(context);
```

# How to Use the License

Call the following methods to configure the license before calling the relevant APIs of the SDK:
For iOS, we recommend you add the following in `[AppDelegate application:didFinishLaunchingWithOptions:]` :

```
[TXUGCBase setLicenceURL:LicenceUrl key:Key];
```

For Android, we recommend you add the following in `application` :

```
TXUGCBase.getInstance().setLicence(context, LicenceUrl, Key);
```

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# License FAQs

Last updated：2022-03-24 15:24:08

### What should I know about license versions?

The UGSV SDK is available in the Basic Edition and Enterprise Edition. Starting from v4.5, a license is required. The Basic Edition requires only the UGSV license ( `TXUgcSDK.licence` ), while the Enterprise Edition also requires the Pitu license ( `YTFaceSDK.licence` ). You can place the licenses into the project directory and rename them accordingly.
Starting from v4.9, the license usage was changed. You can select whether to package the license into the project. When using the license, you need to call the `setLicenceURL:key:` API to set the license URL and key.

**Note:**

SDK v4.5-4.7 does not support automatic license renewal, which is supported for v4.9 and later. SDK v4.9 is compatible with the licenses on earlier versions (you cannot pass in `null` for `url` and `key` . If needed, you can pass in a random string for them). However, the licenses on later versions cannot be used on SDK versions earlier than v4.9.

### Can I renew a trial license after it expires?

You can apply for a free trial license which is valid for 14 days and can be renewed for once, making the total trial duration 28 days. You can purchase an official version after the trial license expires. If you have any questions, submit a ticket or contact sales.

**Note:**

If you renew a trial license within the first 14 days, the license will expire 28 days after the time of license application; if you renew a trial license that has expired once, the renewed license will expire 14 days after renewal.
For example, if you apply for a trial license on `2021-08-12 10:28:41` , it will expire 14 days later, on `2021-08-26 10:28:41` .
You can renew the trial license once for free. If you renew it within the first 14 days, it will expire on `2021-09-09 10:28:41` ; if you renew it after the first 14 days, for example, on `2021-08-30 22:26:20` , it will expire on `2021-09-13 22:26:20` .

### Can I change the package name for an Android project or the bundle ID for an iOS project if I use a trial license?

Yes. Log in to the VOD console, select the trial license, and click **Edit** in the top right to make changes.

### Can I use one license for multiple applications at the same time?

Each license can authorize only one `PackageName` and `BundleID` and cannot be used for multiple applications.

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### How do I confirm the binding relationship of a license ( `PackageName` on Android and `BundleID` on iOS)?

When binding a license, you need to confirm the bundle ID of the application to be launched on App Store or the package name of the application to be launched in an application market on Android.

### What should I do if license verification fails?

Follow these steps to fix the problem:

Make sure that your license is still valid.

Make sure the package name in the license info is the same as that in the project package.

Make sure that the `LicenseUrl` of your license uses the HTTPS protocol.

**Note:**

If the problem persists, **reinstall the application** or submit a ticket.

### Can I use the license for Android without entering `BundleID` ?

Yes. `BundleID` for iOS is like the `PackageName` for Android. You can enter a random value if you don't integrate the iOS client.

### Can a UGSV SDK license purchased by an individual be used by an enterprise?

The license can be used by the account that purchased it, with no requirement for individual or enterprise identity verification.

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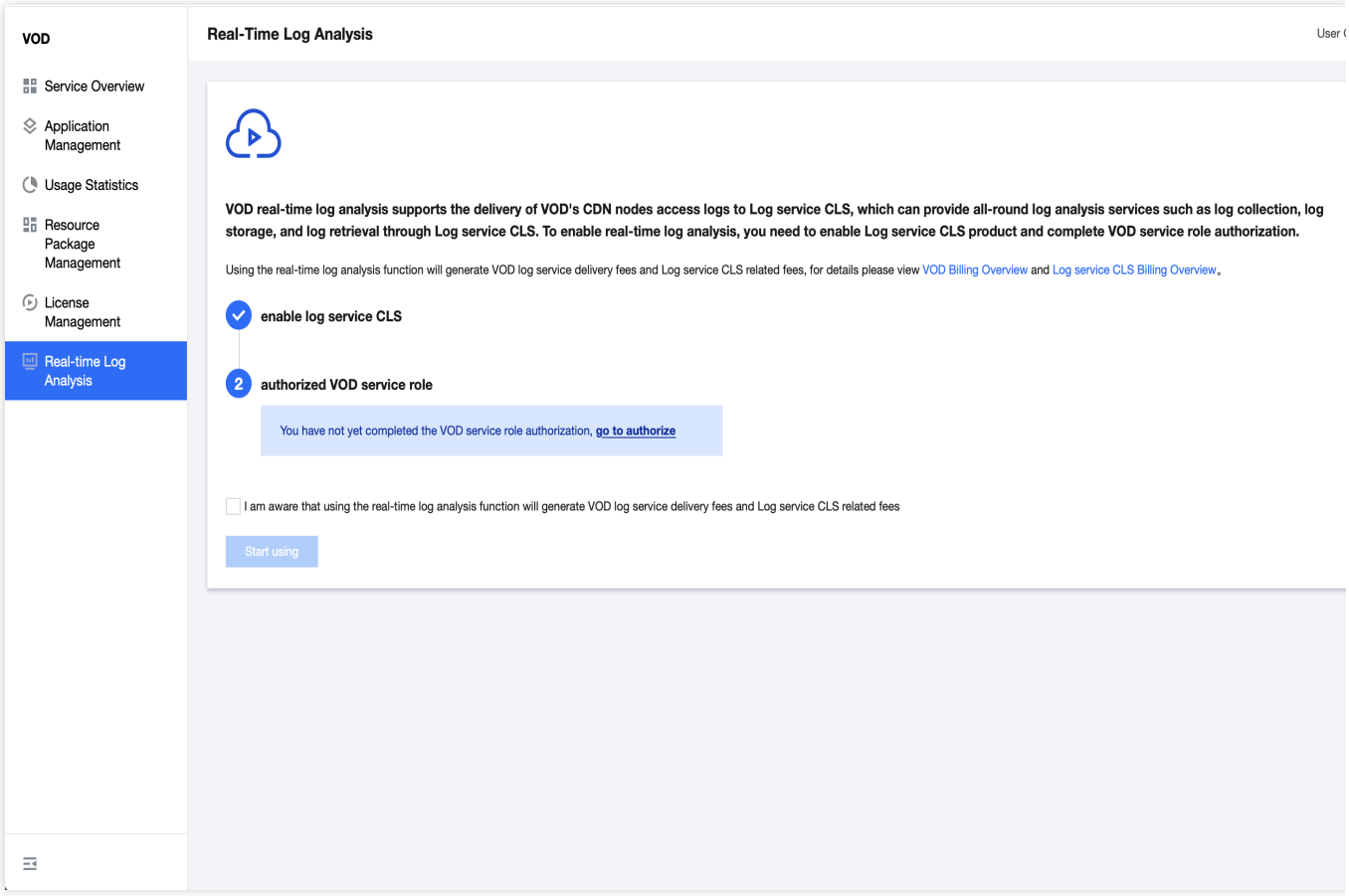
# Real-Time Log Analysis

Last updated：2024-12-05 15:10:26

This document will guide you on how to use the VOD Real-Time Log Analysis function to deliver VOD CDN logs to the Cloud Log Service(CLS) product to achieve comprehensive log analysis services such as log collection, log storage, and log retrieval.

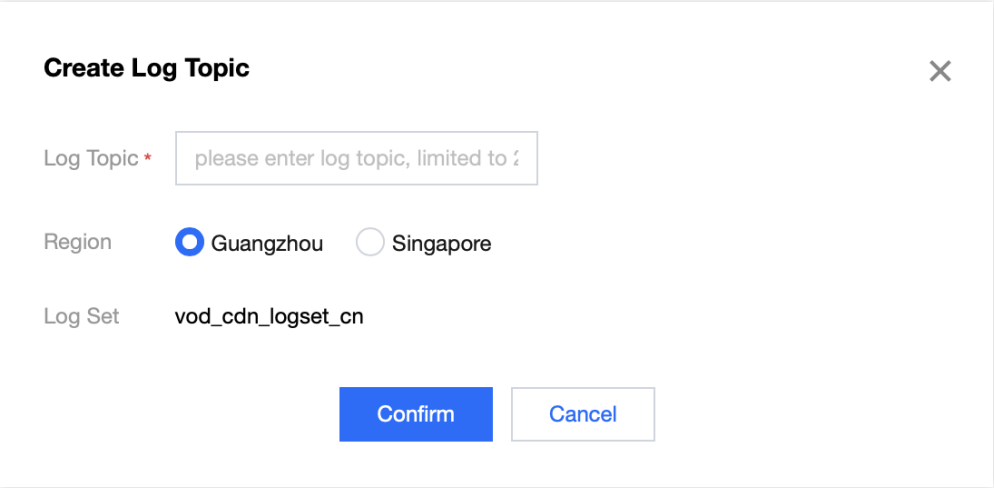
## Step 1: Activate the VOD Real-Time Log Analysis function

1. Log in to the Cloud VOD console, click Real-time Log Analysis in the left menu bar, and enter the real-time log analysis page.
2. Activate the Cloud Log Service(CLS) product.
3. Authorize VOD service role
4. Check to know that using the Real-Time Log Analysis function will produce corresponding expenses
5. Click Get Started.



# Step 2: Create a Log topic

1. Click Log Management.
2. In the log management pop-up window, click Create Log Topic.
3. Enter the Log Topic and select the Region.
4. Click Confirm to complete the creation of the Log Topic.




# Step 3: Bind the log topic

1. Select the VOD application that needs to be bound.
2. Select a domain name.
3. Click Bind Log Topic to support batch selection of domain names to bind log topics in batches (only one log topic is supported in the same region).
4. After binding the log topic, you can start the Real-Time Log Analysis service.

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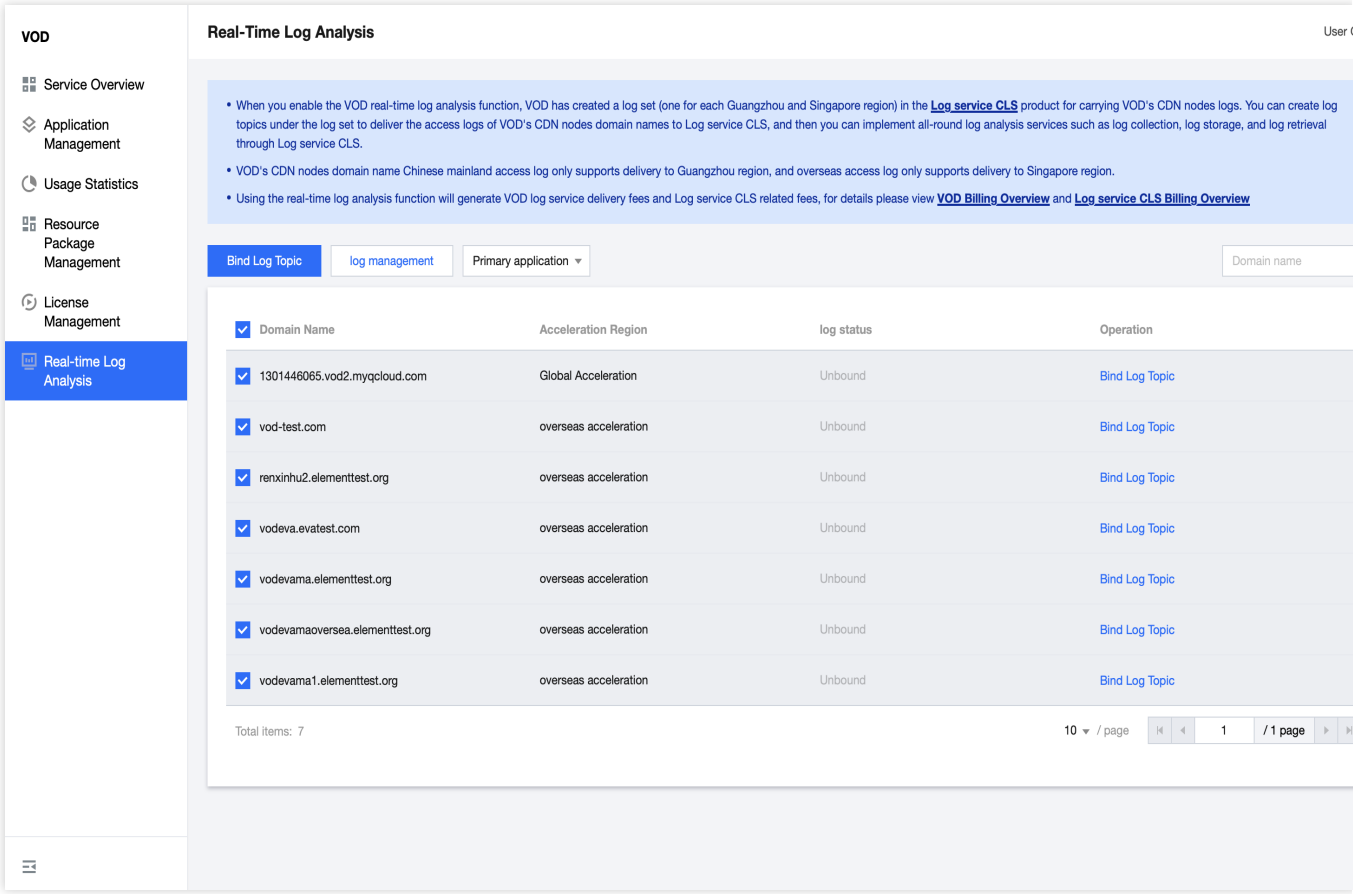


# Other Instructions

### Log Set

Log Set(Logset) is the project management unit of Tencent Cloud Log Service(CLS). It is used to distinguish logs from different projects. One log set corresponds to a collection. When you activate the VOD Real-Time Log Analysis function, VOD will create a log set (one each for Guangzhou and Singapore) for you to carry VOD CDN logs in the CLS product.

### Log topic

Log topic(Topic) is the basic management unit of Tencent Cloud Log Service(CLS). A log set can contain multiple log topics.

A VOD acceleration domain name can only be bound to one log topic in the same region.

The default log retention time is 30 days. If you need to modify it, you can go to the CLS product to edit the corresponding log topic and modify the log retention time.

### Log delivery

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After binding a log topic to the VOD acceleration domain name, VOD will deliver the access log of the acceleration domain name to the corresponding log topic.

**Disabling the CLS**

If you decide to stop using CLS, you can avoid any further billing by permanently deleting all of your CLS resources such as log topics. There is no need to de-register your account, and if you use other Tencent Cloud products, avoid doing so as it will affect your other services. For more details, you can read this article: Cleaning up CLS resources.

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