

Video on Demand Console Guide Product Documentation



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Console Guide

Console Overview

Last updated : 2022-10-17 11:15:59

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	<ul style="list-style-type: none">View the billing mode, billable bandwidth, and other information about the current account such as billing mode and billable bandwidth.View storage capacity, transcoding duration, traffic usage, bandwidth usage, and data retrieval, and weekly trend information.
Application Management	<ul style="list-style-type: none">Create, enable, disable, and terminate applications.Edit the application name, description, and tags and view the application storage, transcoding, and traffic data.
Video Management	<ul style="list-style-type: none">Upload, delete, view, edit, and filter videos, audio, and images.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	<ul style="list-style-type: none">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.Set task flow templates to process audio and videos.
Playback control	<ul style="list-style-type: none">Get URLs for accelerated video playback.Set authentication and access control for video URLs.
Player SDK	<ul style="list-style-type: none">It supports multiple versions of players for multiple clients (iOS, web, Android).

- It offers the player plugin in scenarios where a third-party player is used.
- It provides automatic definition switch, instant first frame broadcasting, gesture control, and many other features.
- 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	<ul style="list-style-type: none">• Change the storage classes of media resources and use cold storage and data retrieval capabilities to reduce the storage costs.• 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	<ul style="list-style-type: none">• View the results of video moderation tasks to confirm whether there is inappropriate content in a video.• Start new recognition tasks based on the intelligent recognition results.
Application Management	<ul style="list-style-type: none">• You can create subapplications for resource isolation.• 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	<ul style="list-style-type: none">• You can add domain names and configure CNAME.• You can perform certificate management, and set hotlink protection and global CDN acceleration for existing domain names.

	<ul style="list-style-type: none">You can set default distribution domain names.
Upload Storage Settings	<ul style="list-style-type: none">You can manage the categories of uploaded files.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	<ul style="list-style-type: none">You can view access data such as total number of access requests from unique IPs, total number of requests, etc.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.

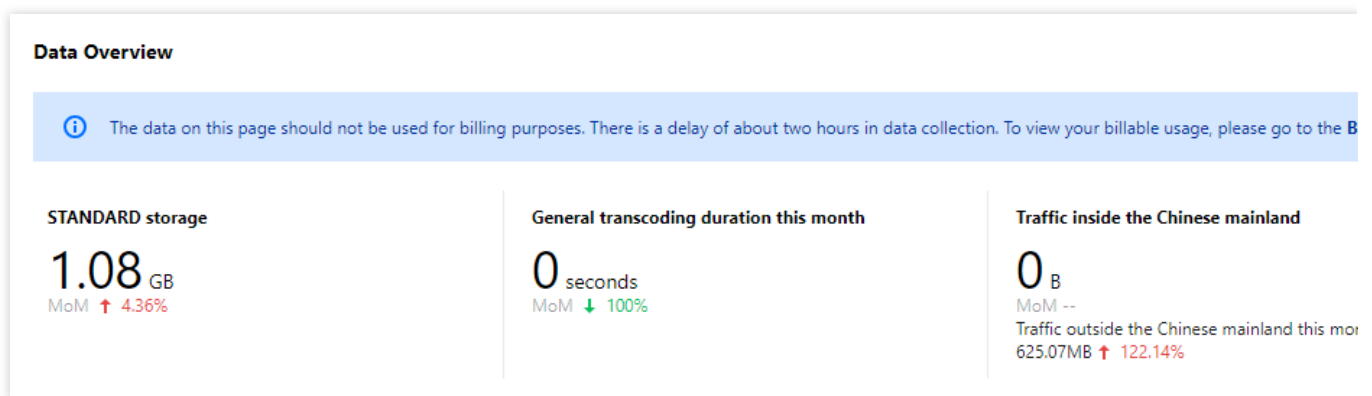
Service Overview

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

this month	console in the current month.
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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.**

Media management

 <p>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).</p>	 <p>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).</p>	
 <p>Cold storage Automatically downgrades a file's storage class based on playback count, storage time, source, and category to save storage costs.</p>		

Media processing

 <p>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.</p>	 <p>Top Speed Codec transcoding Automatically selects the best encoding parameters with the help of AI to improve viewing experience and reduce bandwidth usage.</p>	
 <p>Screenshots Takes screenshots from a video. You can configure custom rules and generate image sprites for thumbnail preview.</p>	 <p>Animated image Takes an animated screenshot from a video</p>	
 <p>Image processing Crops and scales images in real time.</p>		

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.

Billing details [Billing documentation](#) [Cost calculator](#)

Current mode

Daily billing

Billing time

Fees for each day are billed between 12:00 and 18:00 the following day. You can view your billing details in the [Billing Center](#).

Item	Description
Current billing mode	Daily billing: for more information, please see Pay-as-You-Go (Postpaid Daily Billing Cycle) 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.

Package usage [Buy package](#)

Traffic

0B/10TB (0%)

Expire soon

0 package(s)

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 :

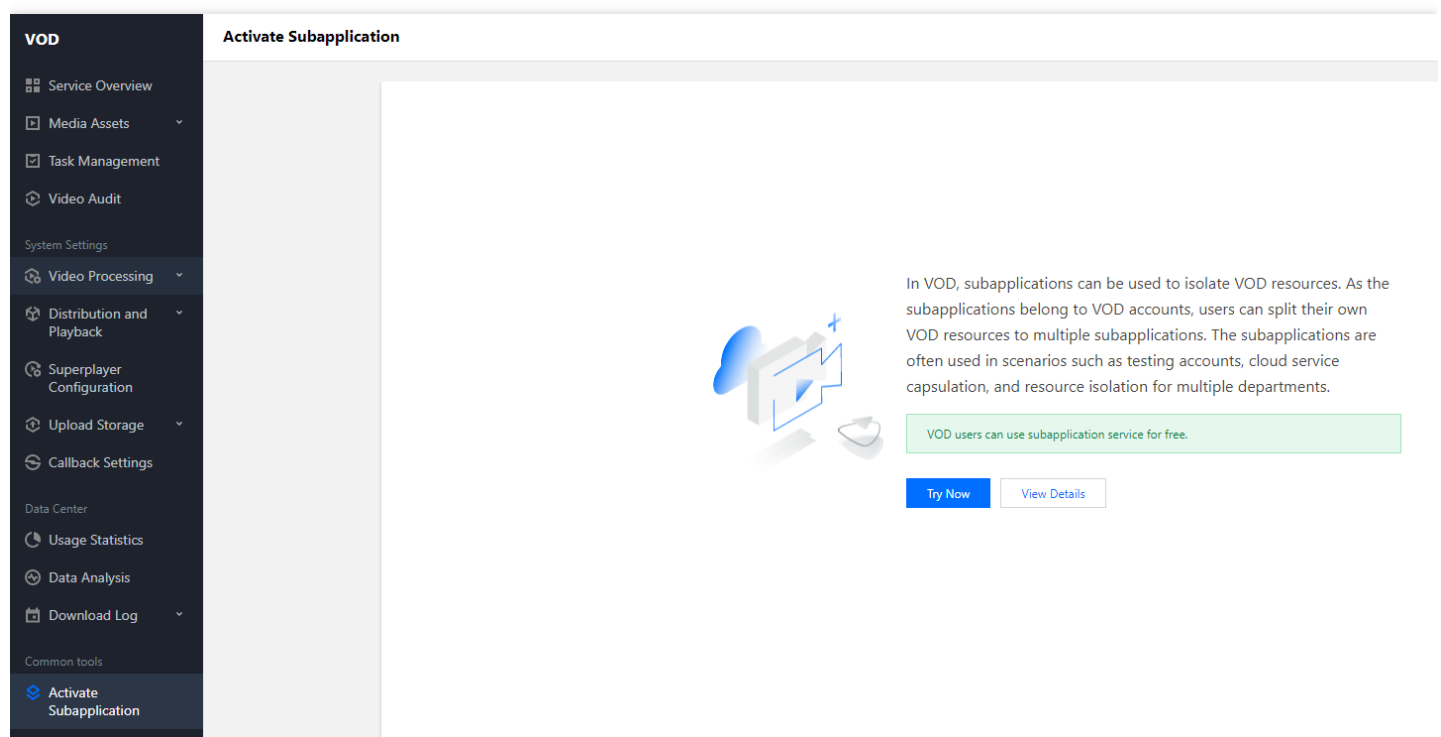
- If you re-enable a terminated application, its application ID (`appid` / `subappid`) will not change.
- It's normal that there may be delay in data reporting after application termination and will not affect the user's billing.
- As it takes 5-10 minutes to change the status of an application, you're 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.

Application Management Admin

Create Subapplication Edit Tags

Enter application name to Q

<input type="checkbox"/>	Subapplication Name	Subapplication ID	Subapplication Description	Creation Time	Status	Operation
<input type="checkbox"/>	Primary application		-	2019-02-19 07:29		Edit
<input type="checkbox"/>	vodtest001		-	2020-03-20 06:15		Edit
<input type="checkbox"/>	test		-	2020-05-08 02:19		Edit
<input type="checkbox"/>	vql		ha	2020-07-03 02:26		Edit
<input type="checkbox"/>	wliap-test		-	2021-01-13 09:55		Edit
<input type="checkbox"/>	p_jyaluo		-	2021-03-22 02:04		Edit
<input type="checkbox"/>	wliap		-	2021-06-04 08:21		Edit
<input type="checkbox"/>	wliap1		-	2021-06-04 08:22		Edit
<input type="checkbox"/>	test0604		-	2021-06-04 09:49		Edit
<input type="checkbox"/>	test0805		-	2021-08-05 12:34		Edit
<input type="checkbox"/>	detest		-	2021-08-19 10:22		Edit
<input type="checkbox"/>	test1009		-	2021-10-09 07:15		Edit

Selected 0, Total 12 items

Lines per page: 15

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.

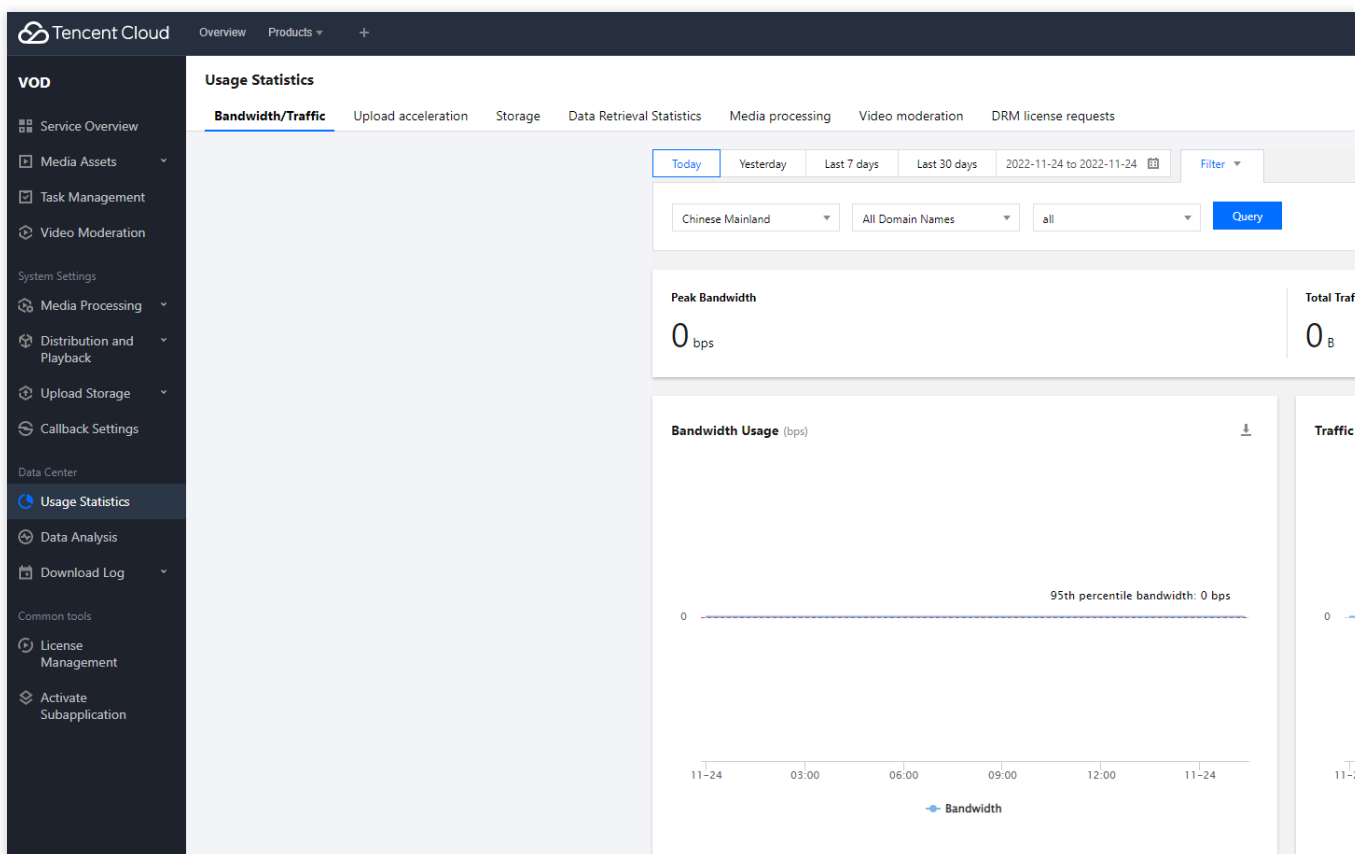
Data Center Usage Statistics

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.

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.

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 **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.

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.

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.

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 : 2024-07-30 11:19:51

The VOD Playback Quality Monitoring provides full-linkage data statistics, quality monitoring, and visual analysis services for vod playback. It supports real-time data reporting, data aggregation, multi-dimensional filtering, and detailed targeted analysis, helping enterprises monitor overall operational status, understand user habits and behavioral characteristics, effectively guide operational decisions, and drive business growth.

Notes

The VOD Playback Quality Monitoring is only applicable for playback scenarios using [Tencent VOD Player SDK](#). Other SDKs cannot monitor or obtain playback data.

The VOD Playback Quality Monitoring applies only to **Tencent VOD video resources**, that is, video resources played using Tencent VOD's File Identifier (FileID). Video sources from other origins cannot identify the respective Tencent Cloud user, and therefore cannot support playback quality monitoring through file URLs.

Note:

In Tencent VOD Player SDK, only Web terminals using Tencent VOD Player SDK TCPlayer 4.4.0 and later versions can obtain playback data. Mobile terminals only using Tencent VOD Player SDK 9.5.29006 and later versions can obtain playback data. Short Video UGSV, Full-featured, and other SDKs will gradually support in version 9.6, stay tuned.

Version Description

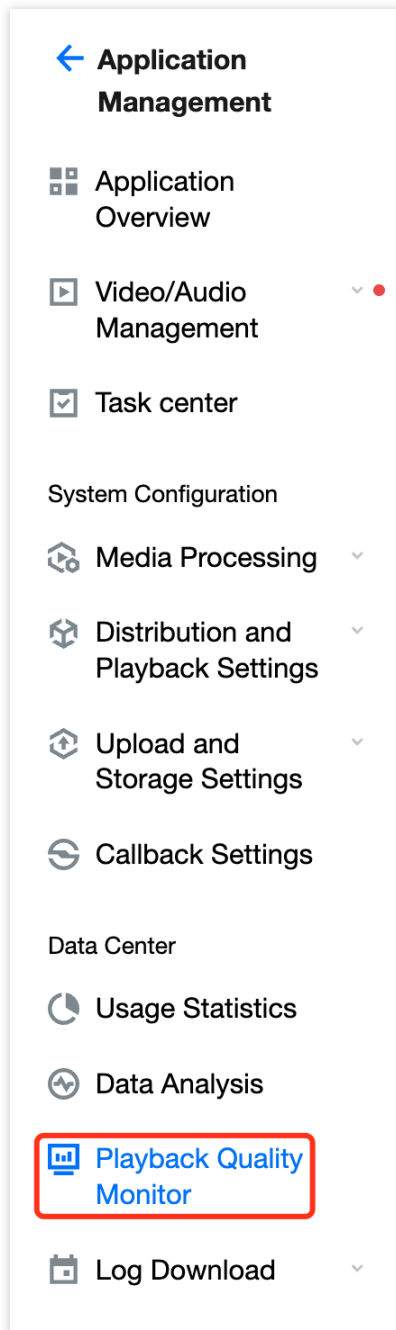
The VOD Playback Quality Monitoring service is available in a Basic Edition and an Advanced Edition. Differences between versions are listed in the table below:

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

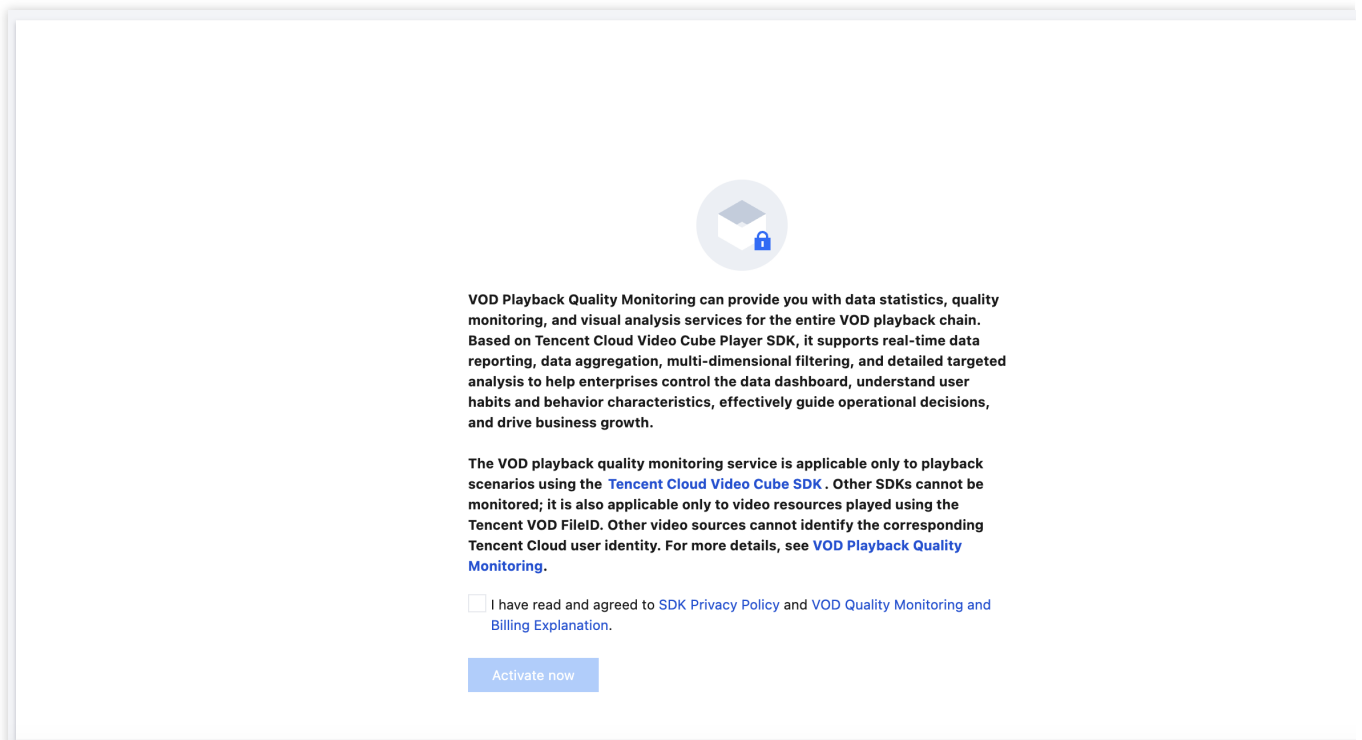
Operation step

Step 1. Activate the Playback Quality Monitoring service

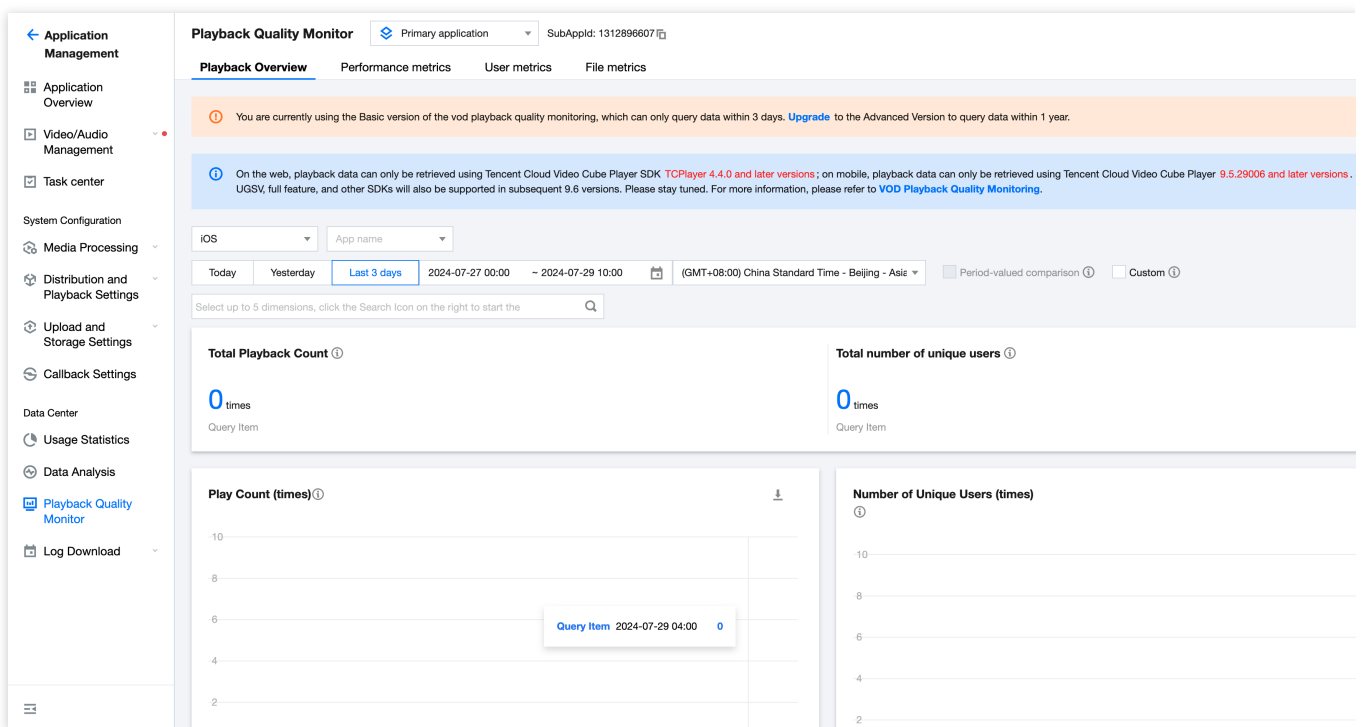
1. Log in to the [VOD console](#), click **Application Management** on the left sidebar to enter the application list page.
2. Find the application for which you want to check playback quality, click the application name to enter the application management page.
3. In the left sidebar, select **Data Center > Playback Quality Monitor**.



4. After reading and confirming the service activation interface instructions, check **I have read and agreed to <SDK Privacy Policy>** and **<VOD Quality Monitoring and Billing Explanation>**.



5. Click **Activate Now** to activate the playback quality monitoring service. By default, the Basic version 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 on the interface, click **Upgrade** to trigger the Service Upgrade Dialog Box.

The screenshot shows the 'Playback Quality Monitor' interface. On the left is a sidebar with navigation links. The main content area has a title bar with 'Playback Quality Monitor' and a dropdown for 'Primary application'. Below this is a tabbed interface with 'Playback Overview' selected. An orange instruction box at the top states: 'You are currently using the Basic version of the vod playback quality monitoring, which can only query data within 3 days. **Upgrade** to the Advanced Version to query data within 1 year.' Below this is a blue information box with details about SDK versions. The main area contains filters for 'iOS' and 'App name', and a time range selector set to 'Last 3 days' (2024-07-27 00:00 to 2024-07-29 10:00). There are two summary cards: 'Total Playback Count' and 'Total number of unique users', both showing '0 times'. Below these are two empty line charts for 'Play Count (times)' and 'Number of Unique Users (times)'.

2. After reading and confirming the service upgrade instructions, check **I have acknowledged and agree to the <VOD Playback Quality Monitoring Billing Explanation>**.

Service Upgrade

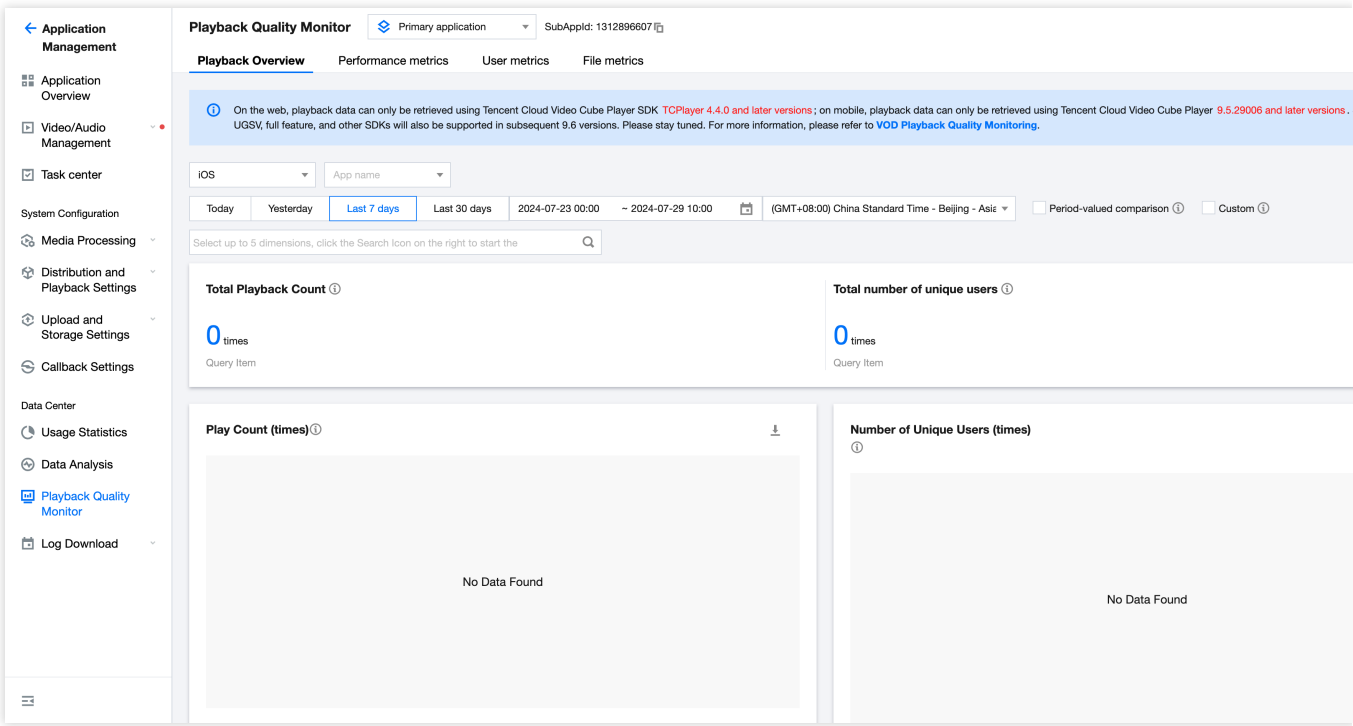
Your VOD playback quality monitoring service is currently being upgraded from Basic to Advanced Version. After the upgrade, the data query period will extend from 3 days to 1 year. For more details, see [VOD Playback Quality Monitoring](#).

The Premium Version VOD Playback Quality Monitoring is currently in the trial period and is free of charge. The trial period is expected to end on June 30, 2024. If there are changes in the billing method in the future, we will publish a new billing notice on the official website in advance and notify you in advance via message center, SMS, and Email. Please stay informed.

☐ I have acknowledged and agree to the [VOD Playback Quality Monitoring Billing Guidelines](#).

Confirm **Cancel**

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



Note:

The Advanced Edition VOD Playback Quality Monitoring is currently in the trial period and no fees will be charged. The trial period is expected to end on June 30, 2024. If there is any change in the billing method in the future, we will publish the new billing instructions on the official website in advance and notify you via message center, SMS, Email, etc. Please stay tuned.

For details on data indicators in different Tag pages, see [Data Indicators](#). For details on how to use the data viewing feature, see [Feature Overview](#).

Data Indicators

Playback Overview

The Playback Overview provides insights into the current total playback and user scale.

Metrics	Description
Number of Plays	Total number of plays. A video is counted as played once when a playback request is initiated for the first time; resuming from a pause still counts as a single play.
Unique User Count	Total User Count.

	Mobile identifies unique users based on Device ID, while Web identifies unique users based on UUID.
--	-----------------------------------------------------------------------------------------------------

Performance metrics

Performance metrics help understand the current SDK's service quality.

Metrics	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 Stutter Rate	Average Stutter Rate is the sum of all playback stutter rates divided by the number of plays. Playback Stutter Rate refers to the proportion of the total duration of stutters during a single play to the total playback duration. Stutter refers to video pause loading during playback, excluding video loading caused by dragging the progress bar.
Playback Failure Rate	Proportion of playback failures to total playbacks. Playback failures are the number of plays that return an error code.

User Metrics

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

Metrics	Description
Watch duration per viewer	Average video viewing duration per person, which is Total Playback Duration / Total Unique Users.
Average Playback Count per Person	Average Number of Playback Requests per Person, which is Total Playback Count / Total Unique Users.
Top 100 Videos by Playback Count	Top 100 Files by Playback Count, including Ranking, ID, Playback Count, Average Viewing Duration and Average Playback Count per Person.

File Metrics

File metrics allow you to view the playback status of a single file using the VOD file identification FileID.

Metrics	Description
Basic File Information	Video ID, Video Name, Video Duration, Average Playback Duration, Total Playback Count.
Number of Plays	Total number of plays for the current file.

Average Play Duration	Average play duration of the current file, which is the total play duration of the file divided by the number of plays.
Play Count Ranking	Ranking of the current file by the number of plays among all played files.

Feature Overview

The VOD Playback Quality Monitoring Service includes basic features, data comparison, and advanced filtering for data viewing.

Basic Features

Feature	Description
Platform	Includes options for iOS, Android, and Web platforms, which are mandatory.
Application	The package name is used as the application's unique identifier. Options are platform-related: When the platform is iOS or Android, the application is mandatory; when the platform is Web, there is no application by default and it cannot be selected.
Query Time	Select the time period to view. You can use fast time or custom data to query the time period, which is mandatory.

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 can provide data from different time periods simultaneously, making it easier for comparative analysis. Currently, data comparison offers two options: Month-on-Month and Custom Definition Time, both of which can be selected simultaneously.

Option	Description
Month-on-Month	Adjacent Previous Time Period.
Custom Definition Time	The comparison view requires specifying a time for the Custom Definition.

Note:

The duration of the data comparison option matches the query period. Therefore, after selecting the start time for the Custom Definition, the end time will be automatically calculated based on the duration of the query period.

Example: If the selected query period is from 2021-07-08 12:00 to 2021-07-14 14:00, then the duration is 6 days and 2 hours.

In this case, the sequential comparison period is from 2021-07-02 09:55 to 2021-07-08 11:55. If the selected Custom Definition start time is 2021-06-01 01:00, then the default end time is 2021-06-07 03:00.

Advanced filters

Advanced filtering offers various data dimensions, facilitating the analysis of the impact of special factors on the data.

Details are as follows:

Option	Description
Domain name	The domain used for video playback.
Region	The region where the request for video playback originates.
ISP	ISP used for playing video.
Operating system	Operating system used for playing video.
Network environment	Network environment used for playing video, optional only for iOS or Android platforms.
Browser	Browser used for playing video, optional only for Web platforms.
SDK Version	Tencent VOD Player SDK Version used for playing video.

Downloading Logs


Last updated : 2023-08-14 17:51:15


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.

- Log fields by sequence: request time, client IP, access domain names, file path, number of bytes, [district code](#), [ISP code](#), HTTP status code, Referer, Request-Time, UA, range, packing the log data. In normal cases, the log data size (in bytes) approaches the size of the application layer data after 3 hours. This is slightly different from the billed data and re-upload, etc.

2021-09-17 ~ 2021-10-16 



Time	Log Packet	Region 
2021-10-14	2021-10-14 12:00:00 ~ 2021-10-14 13:00:00	Chinese mainland
2021-10-13	2021-10-13 12:00:00 ~ 2021-10-13 13:00:00	Chinese mainland
2021-10-14	2021-10-14 12:00:00 ~ 2021-10-14 13:00:00	Outside Chinese mainland

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.

```

20190128080505 111.202.99.165 www.qcloud.com / 261 22 26 404 NULL 1 "curl/7.29.0"
20190128080507 27.152.185.165 www.qcloud.com / 261 2 2 404 NULL 1 "curl/7.29.0" "0
20190128080509 112.17.5.28 www.qcloud.com / 261 1442 1046 404 NULL 1 "curl/7.29.0
20190128080509 27.221.28.166 www.qcloud.com / 261 122 26 404 NULL 1 "curl/7.29.0"
20190128080509 116.211.184.29 www.qcloud.com / 261 1135 2 404 NULL 1 "curl/7.29.0

```

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.
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	Tibet	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	1613	Angola
2000000002	Asia Pacific Zone 2 (service area)	766	Serbia	1617	Ivory Coast
2000000003	Asia Pacific Zone 3 (service area)	770	Finland	1620	Sudan

20000000004	Middle East (service area)	773	Belgium	1681	Mauritius
20000000005	North America (service area)	809	Bulgaria	1693	Morocco
20000000006	Europe (service area)	811	Slovenia	1695	Algeria
20000000007	South America (service area)	812	Moldova	1698	Guinea
20000000008	Africa (service area)	813	Macedonia	1730	Senegal
-20	Asia (client area)	824	Estonia	1864	Tunisia
-21	South America (client area)	835	Croatia	1909	Uruguay
-22	North America (client area)	837	Poland	1916	Greenland
-23	Europe (client area)	852	Latvia	2026	Taiwan (China)
-24	Africa (client area)	857	Jordan	2083	Myanmar
-25	Oceania (client area)	884	Kyrgyzstan	2087	Brunei
35	Nepal	896	Ireland	2094	Sri Lanka
57	Thailand	901	Libya	2150	Panama
73	India	904	Armenia	2175	Colombia
144	Vietnam	921	Yemen	2273	Monaco
192	France	926	Belarus	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
-	-	1158	Cambodia	2623	Costa Rica
417	Kazakhstan	1159	Macao (China)	2626	Mexico
428	Portugal	1176	Singapore	2639	Honduras
443	Greece	1179	Maldives	2645	El Salvador
471	Saudi Arabia	1180	Afghanistan	2647	Paraguay
529	Denmark	1185	Fiji	2661	Peru
565	Iran	1186	Mongolia	2728	Nicaragua
578	Norway	1195	Indonesia	2734	Ecuador
669	United States	1200	Hong Kong (China)	2768	Guatemala
692	Syria	1233	Qatar	2999	Aruba
704	Cyprus	1255	Iceland	3058	Ethiopia
706	Czech	1289	Albania	3144	Bosnia and Herzegovina
707	Switzerland	1353	Uzbekistan	3216	Dominican
708	Iraq	1407	San Marino	3379	South Korea
714	Netherlands	1416	Kuwait	3701	Malaysia
717	Romania	1417	Montenegro	3839	Canada
721	Lebanon	1493	Tajikistan	4450	Australia
725	Hungary	1501	Bahrain	4460	Chinese mainland
726	Georgia	1543	Chile	-15	Asia - other
731	Azerbaijan	1559	South Africa	-14	South America - other
734	Austria	1567	Egypt	-13	North America - other

736	Palestine	1590	Kenya	-12	Europe - other
737	Türkiye	1592	Nigeria	-11	Africa - other
759	Lithuania	1598	Tanzania	-10	Oceania - other
763	Oman	1611	Madagascar	-2	Outside the Chinese mainland - other

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.

Upload Storage Settings

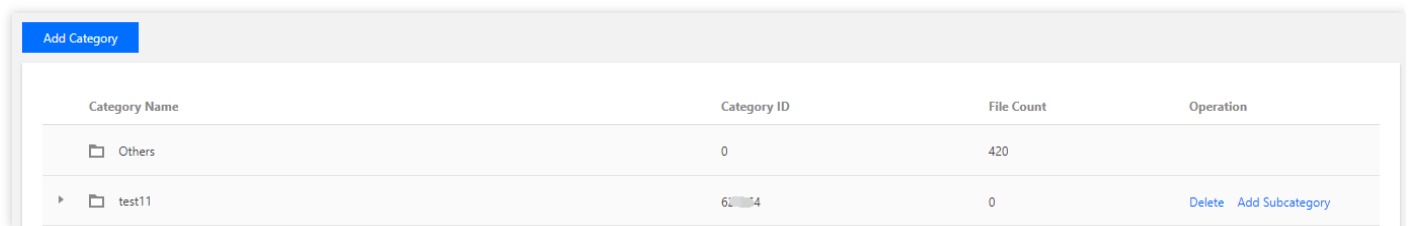
Last updated : 2022-09-15 16:26:34

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.



Add Category			
Category Name	Category ID	File Count	Operation
Others	0	420	
test11	624	0	Delete Add Subcategory

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](#).
- 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

- Log in to the [VOD console](#) and select **Application Management** on the left sidebar.
- Select the target application.
- Click **Upload Storage > Storage Region** on the left sidebar.

You can activate multiple regions and set only one region as the default region. When activating a region, you cannot work with this region unless it is successfully configured. A region cannot be deactivated once activated.

Region	Status	Operation
Toronto, Canada	<input type="checkbox"/>	Set as default
Frankfurt, German federal state	<input type="checkbox"/>	Set as default
Hongkong	<input type="checkbox"/>	Set as default
Mumbai, India	<input type="checkbox"/>	Set as default
Tokyo, Japan	<input type="checkbox"/>	Set as default
Seoul, South Korea	<input type="checkbox"/>	Set as default
Moscow, Russia	<input type="checkbox"/>	Set as default
Singapore, Singapore Default region	<input type="checkbox"/>	Set as default

- 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.**

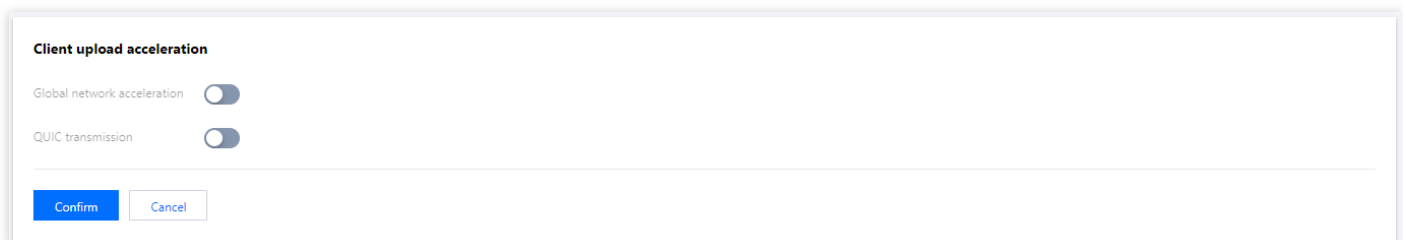
Storage rules

- 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.



Client upload acceleration

Global network acceleration ☐

QUIC transmission ☐

[Confirm](#) [Cancel](#)

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 : 2022-03-24 15:20:58

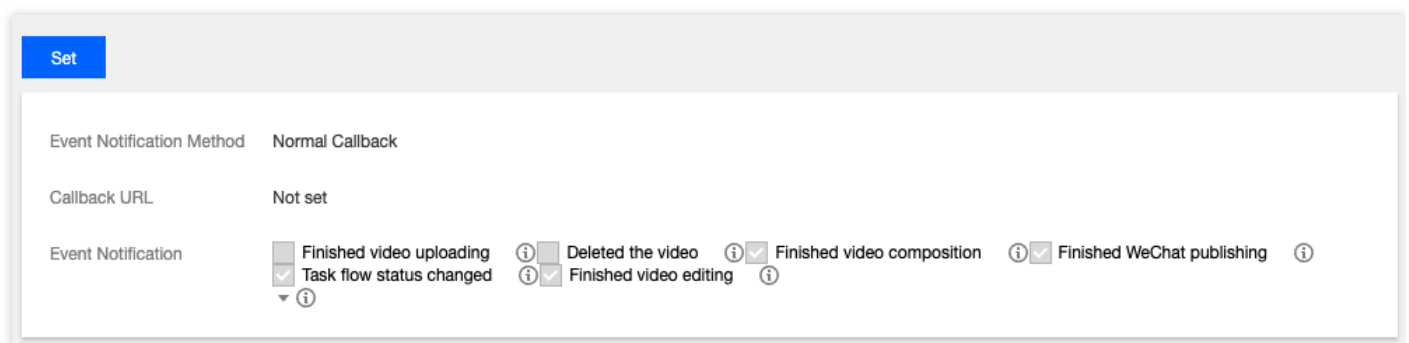
Overview

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.



Event Notification Method	Normal Callback
Callback URL	Not set
Event Notification	<div><input type="checkbox"/> Finished video uploading ⓘ <input type="checkbox"/> Deleted the video ⓘ <input checked="" type="checkbox"/> Finished video composition ⓘ <input checked="" type="checkbox"/> Finished WeChat publishing ⓘ</div> <div><input checked="" type="checkbox"/> Task flow status changed ⓘ <input checked="" type="checkbox"/> Finished video editing ⓘ</div>

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 notification 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 :

- 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

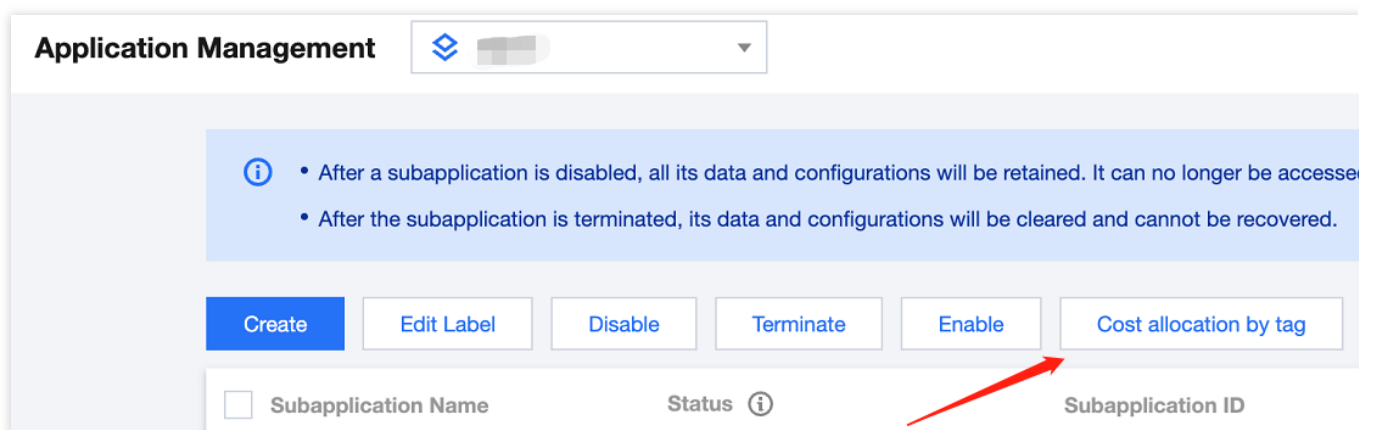
Cost allocation by tag allows you to group your bill data by VOD application or application tag to improve your cost management efficiency. You can enable this feature in the console. The configuration takes effect the following day for daily billing and the first day of the following month for monthly 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.

Cost allocation by tag**Allocate costs based on application tags** 

If you enable this, your bill data will be grouped by the tags you add to the applications. The configuration will take effect the following day for daily billing and the first day of the following month for monthly billing. For details, see [Cost Allocation by Tag](#).

Confirm


Cancel



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.

Download L0, L1, L2, and L3 bills

Download bill pack

L0: PDF Bills L1: Bill Summary L2: Bill by Instance **L3: Bill Details**

 L3 bills offer bill data at the finest granularity. For example, if a product is billed hourly, a bill entry will be generated per hour for each component.

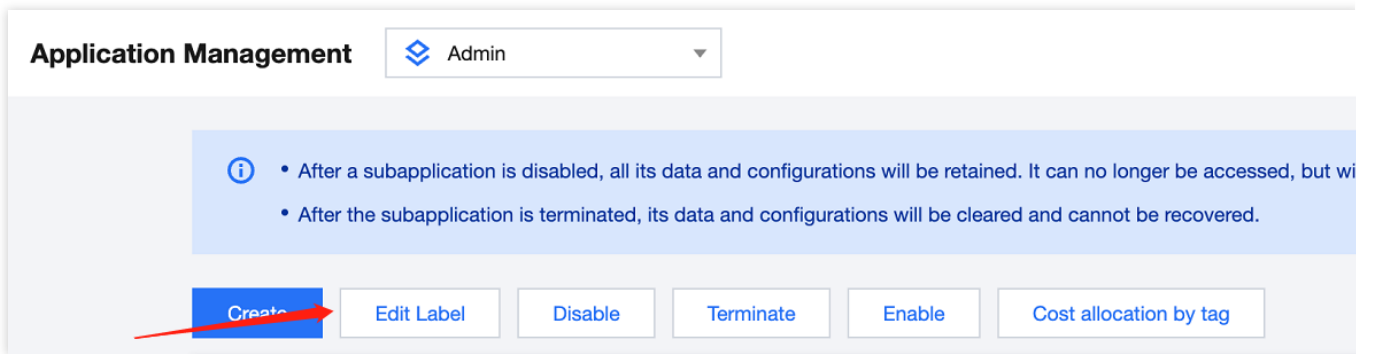
Period  to  You can download bill details of up to 6 months at a time.Account No Aggregate ☒ Show details ☐ By month [About Aggregation](#) **Download** 

Cost Allocation by Tag

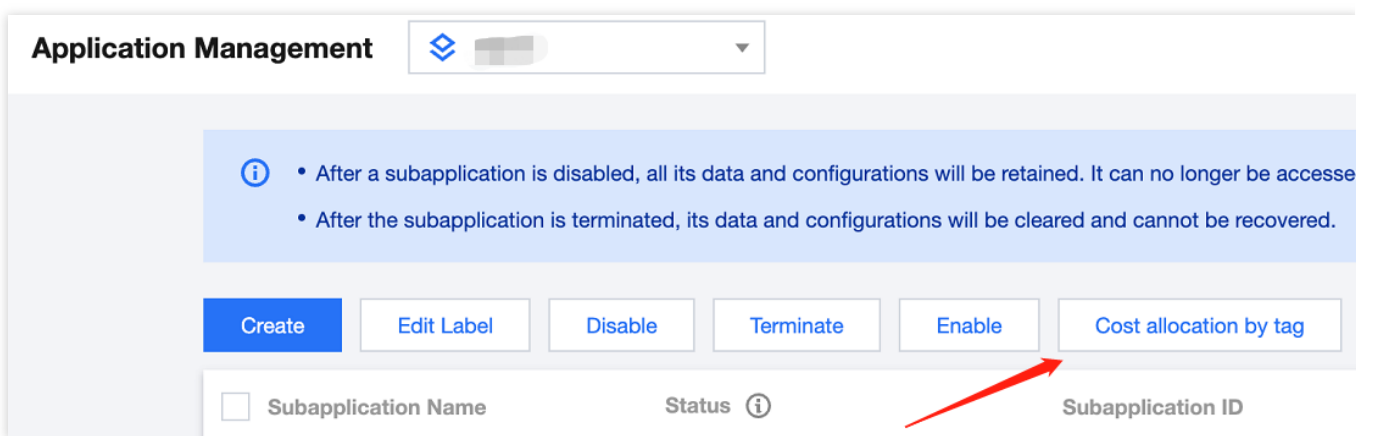
You can also group bill data by tag, in which case the "Tag key:item" field in your bill will be the tag you add, and the "Instance ID" field will be the VOD application ID.


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.




Cost allocation by tag**Allocate costs based on application tags** 

If you enable this, your bill data will be grouped by the tags you add to the applications. The configuration will take effect the following day for daily billing and the first day of the following month for monthly billing. For details, see [Cost Allocation by Tag](#).

Confirm**Cancel**

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.

Download L0, L1, L2, and L3 bills**Download bill pack****L0: PDF Bills** **L1: Bill Summary** **L2: Bill by Instance** **L3: Bill Details**

 L3 bills offer bill data at the finest granularity. For example, if a product is billed hourly, a bill entry will be generated per hour for each component.

Period  to  You can download bill details of up to 6 months at a time.

Account No Aggregate ☒ Show details ☐ By month [About Aggregation](#) **Download** 

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.

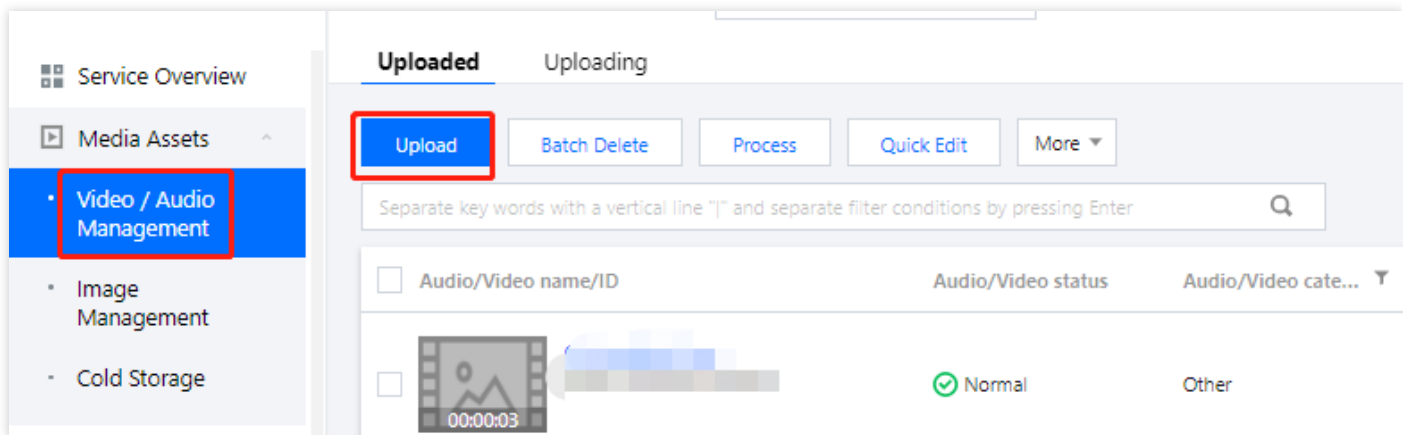
Note :

- 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.

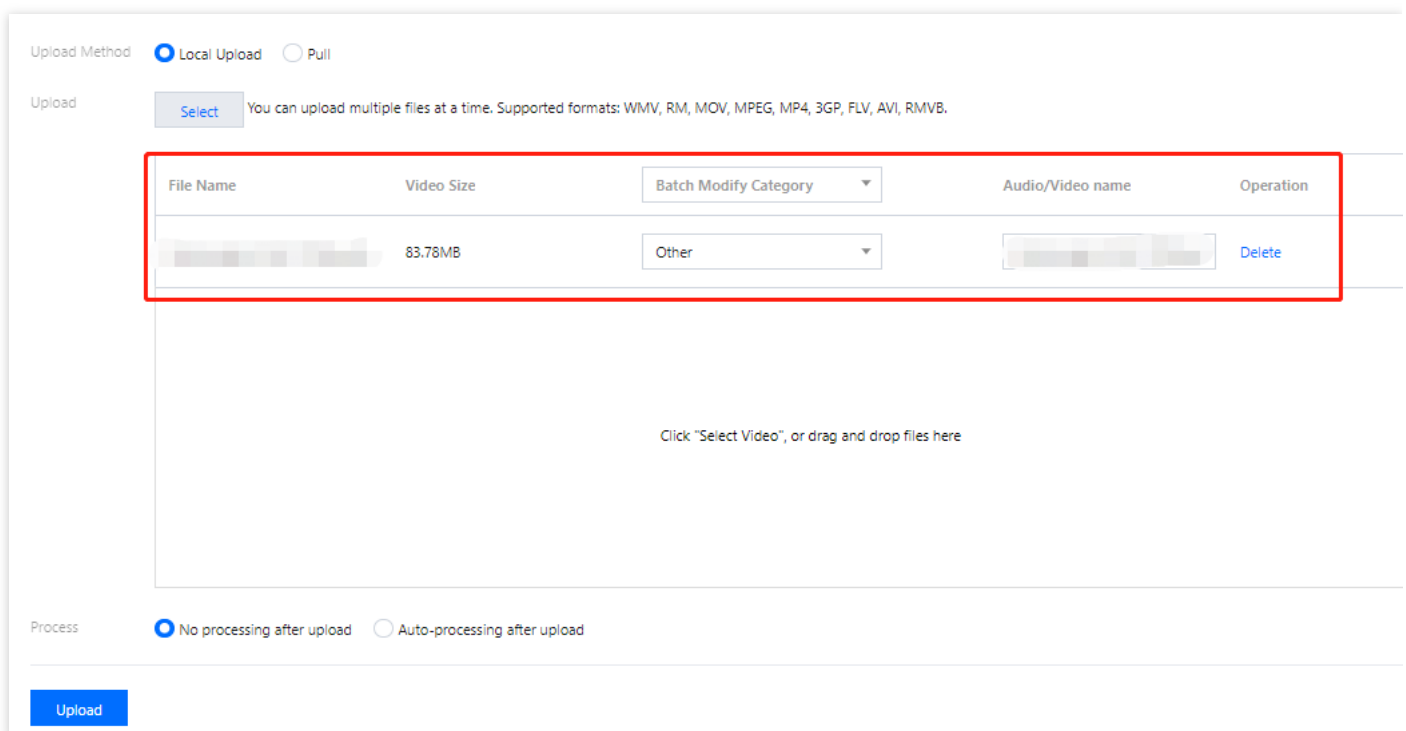
3. Go to **Media Assets > Video/Audio Management > Uploaded**.



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	<p>If the processing type is Transcoding, this will be Transcoding Template.</p> <ul style="list-style-type: none"> ▪ Click Transcoding Template to select an existing template ▪ or click Common Template to select a frequently used template. 	<ul style="list-style-type: none"> ▪ No watermark ▪ Default watermark ▪ 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 . 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**.

Upload Method

☐ Local Upload ☒ Pull

Upload

Supports formats including WMV, RM, MOV, MPEG, MP4, 3GP, FLV, AVI, and RMVB for batch upload; supports importing links to CSV or TXT files for pulling. Click the [sample file](#) to download. For details, see [Upload by Pulling](#).

URL	Audio/Video name	Thumbnail URL	Category	Operation
<input type="text"/>	<input type="text"/>	<input type="text"/>	Other ▾	Delete
Add a Row				

Process

☒ No processing after upload ☐ Auto-processing after upload

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.

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.

Uploaded

Uploading

Upload

Batch Delete

Process

Quick Edit

More

Separate key words with a vertical line "|" and separate filter conditions by pressing Enter

<input type="checkbox"/>	Audio/Video name/ID	Audio/Video status	Audio/Video cate...	Uploading time	Expiration time	Storage region	Operation
<input type="checkbox"/>	<div><div><div></div><div>00:00:03</div></div><div></div></div>	<div><div></div><div>Normal</div></div>	Other	2022-08-22 12:00:09	Permanent	Outside Chinese mainland	<div>Manage</div> <div>Delete</div> <div>Download</div>
<input type="checkbox"/>	<div><div><div></div><div>00:21:38</div></div><div></div></div>	<div><div></div><div>Playback Prohibited</div></div>	Other	2022-07-26 14:47:12	Permanent	Outside Chinese mainland	<div>Manage</div> <div>Delete</div> <div>Download</div>

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 . Click Select template to select from existing templates. You can also use common templates .	Do not add a watermark. Use the default watermark. 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. Use the default watermark. 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. Use the default watermark.	Select whether to use the first frame as the thumbnail.

		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**.

Quick Edit

Item

☒ Category ☒ Label ☒ Playback Prohibited
☒ Expiration Time
If unchecked, this item's status will not change.

Set Category

Other

Add Label

Enter up to 16 labels, with each containing up to 16 characters. Press "Enter" to confirm after entering each label.

Prohibit Video Playback

Set the expiration time ⓘ

☒ Permanent ☐ Set the expiration time

Confirm

Cancel

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.

Search for Audio/Video Files

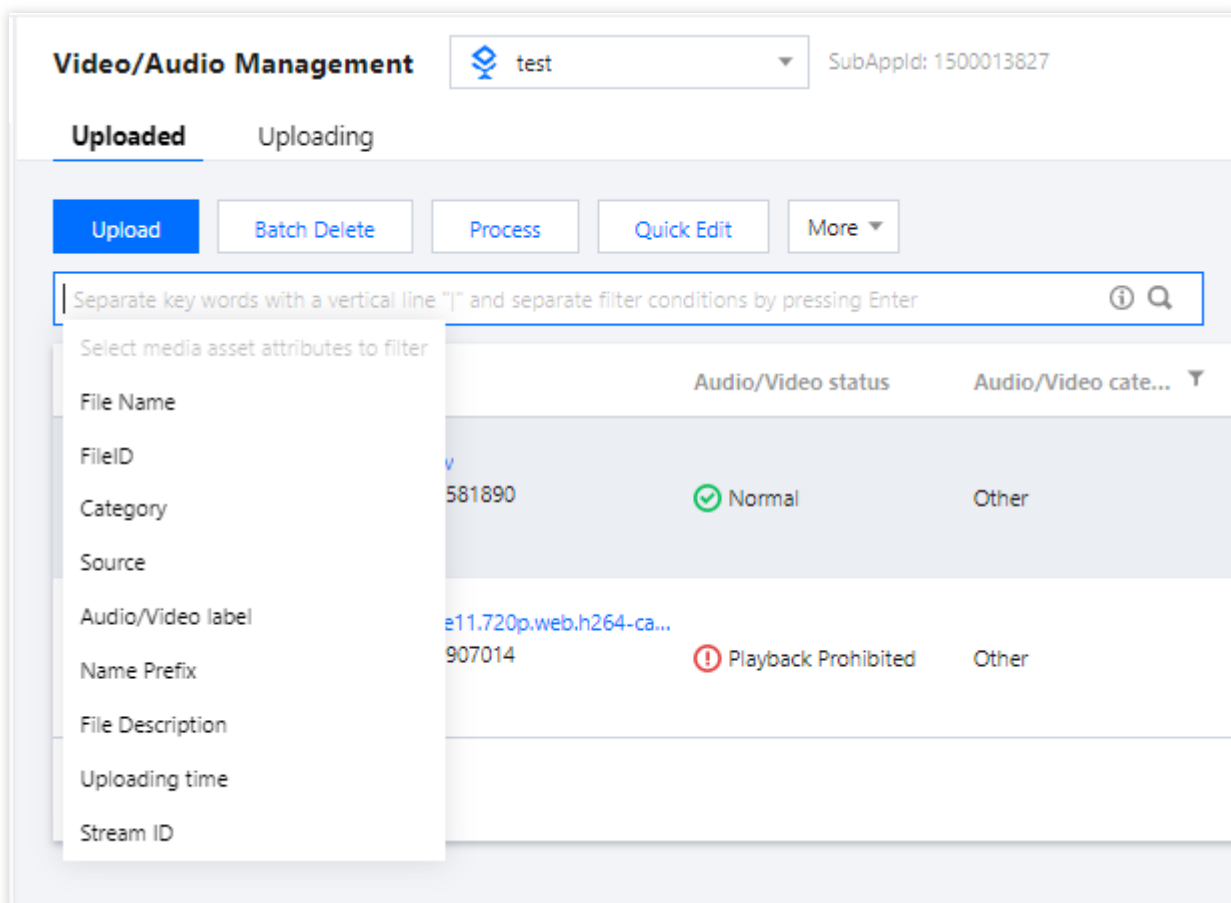
Last updated : 2022-09-16 15:48:08

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
-------	-------------

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.

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.

The screenshot displays the 'Video/Audio Management' interface in the Tencent Cloud VOD console. The 'Uploaded' tab is selected, showing a list of audio/video files. A red box highlights the 'Quick View' button next to a file with ID '000003'. A red-bordered pop-up window is open, showing the details of the selected file. The file is named 'wav' and has a status of 'Normal'. The pop-up window includes fields for ID, Audio/Video name, Category, Label, Size (129.24KB), Duration (00:00:03), Expiration time (Permanent), and File Description. Below these fields, there is a 'Video URL' section with a 'Copy All URLs' button and a 'Batch Delete' button. At the bottom, a table shows the file's specification, format (WAV), resolution (Unknown), and operation links (Copy URL, Download).

Specification	Format	Resolution	Operation
<input type="checkbox"/> Original Video	WAV	Unknown	Copy URL Download

Managing Audio/Video Files

Last updated : 2022-10-17 11:15:59

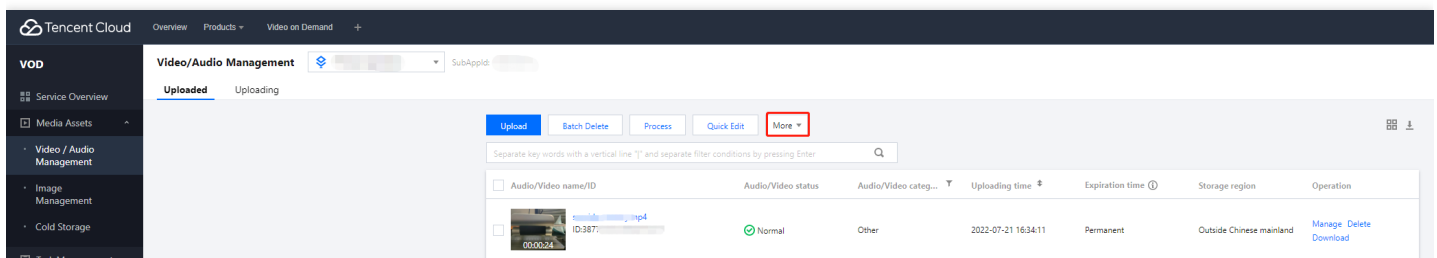
This document describes how to manage audios/videos in the VOD console, including editing basic audio/video information, publishing audios/videos, previewing audios/videos in Player, and generating web player code.

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
---------------	----------	-------------	---------	--------------

Storage Class	STANDARD	STANDARD_IA	ARCHIVE	DEEP_ARCHIVE
Default in VOD	Yes	No	No	No
Storage costs	High	Medium	Low	Very low
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 (TTF)** 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**

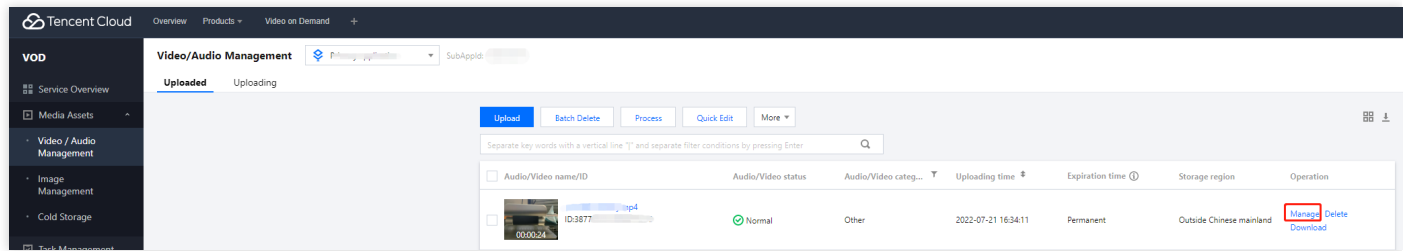
Field	Description
Thumbnail	<ul style="list-style-type: none"> ▪ You can click the edit icon next to the thumbnail image to select an existing image in "Image Management" or upload a local image to use as the thumbnail. ▪ Only JPG, PNG, and static GIF images are supported. ▪ The image can be up to 1 MB in size and 1920 x 1080 in dimensions. ▪ The filename cannot contain Chinese characters.
Name	<ul style="list-style-type: none"> ▪ You can rename a media file. ▪ 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	<ul style="list-style-type: none"> ▪ You can modify the category of a media file. ▪ Click the edit icon, select a category, and click **Confirm**.
Label	<ul style="list-style-type: none"> ▪ You can add labels to a media file. ▪ Each label can be up to 16 characters long and can contain letters and numbers. Press Enter to add multiple labels.
Description	<ul style="list-style-type: none"> ▪ You can add a brief description to a media file. ▪ The description can be up to 128 characters long.
Storage Type	<ul style="list-style-type: none"> ▪ You can modify the storage class of a media file. ▪ 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.

- Go to **Media Assets > Video Management > Uploaded**.
- Find the target media file and click **Manage** to enter the **Basic Info** page.



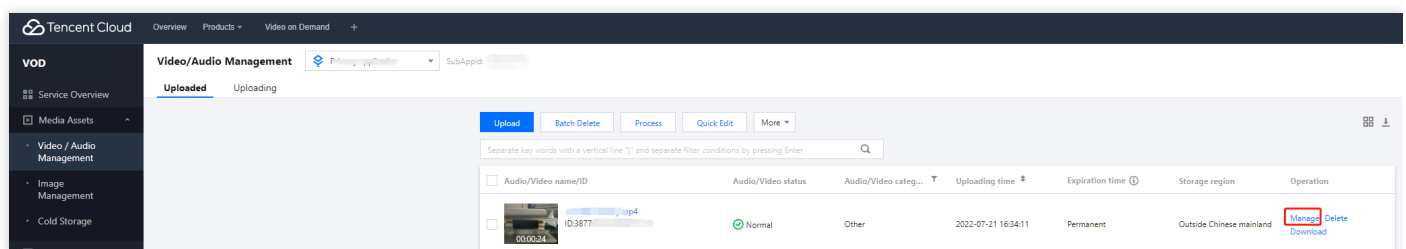
- Select the **Screenshot Info** tab. This page shows screenshots of the source video as well as processed videos, including animated images, image sprites, sampled screenshots, and time point screenshots.

Note :

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

Publishing Video

- Log in to the [VOD console](#) and select **Application Management** on the left sidebar.
- Select the target application.
- Go to **Media Assets > Video Management > Uploaded**.
- Find the target media file and click **Manage** to enter the **Basic Info** page.



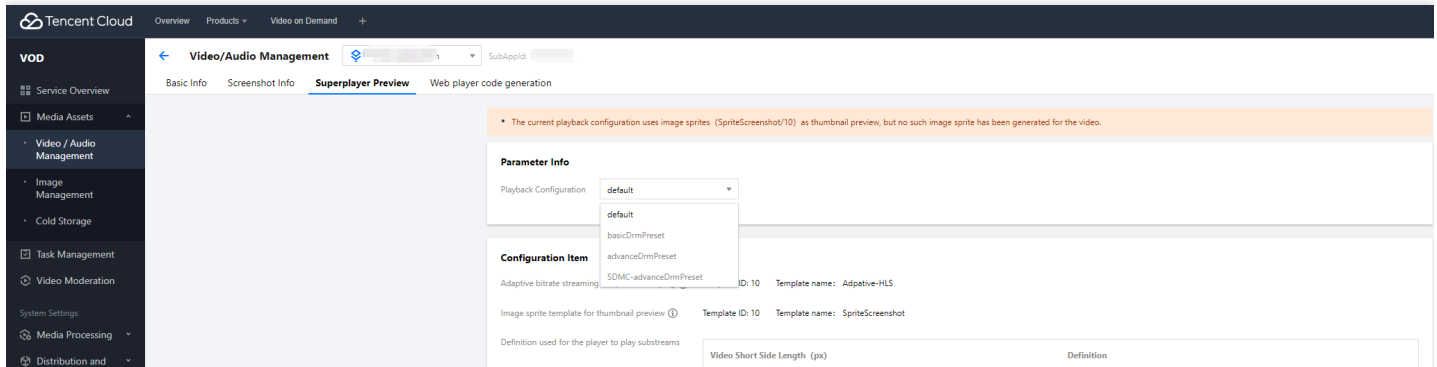
- Click **Publish Video** to enter the video publishing page, which displays the source and output video files.

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

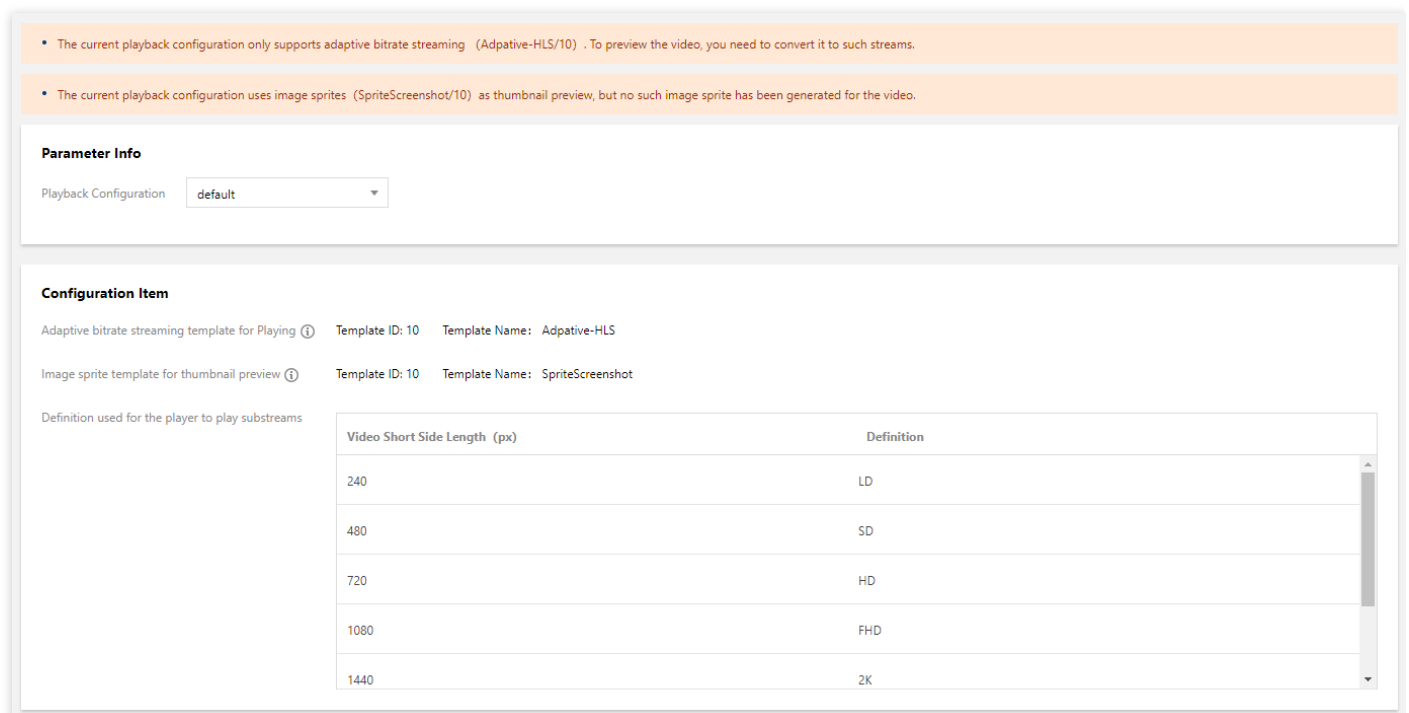
Playback Configuration: Displays all the configurations of the player. It comes with two configurations: `default` and `basicDrmPreset`. To configure your own parameter, you must first **enable key hotlink protection** for the primary distribution domain name via the Operation tab.



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.

Web Player

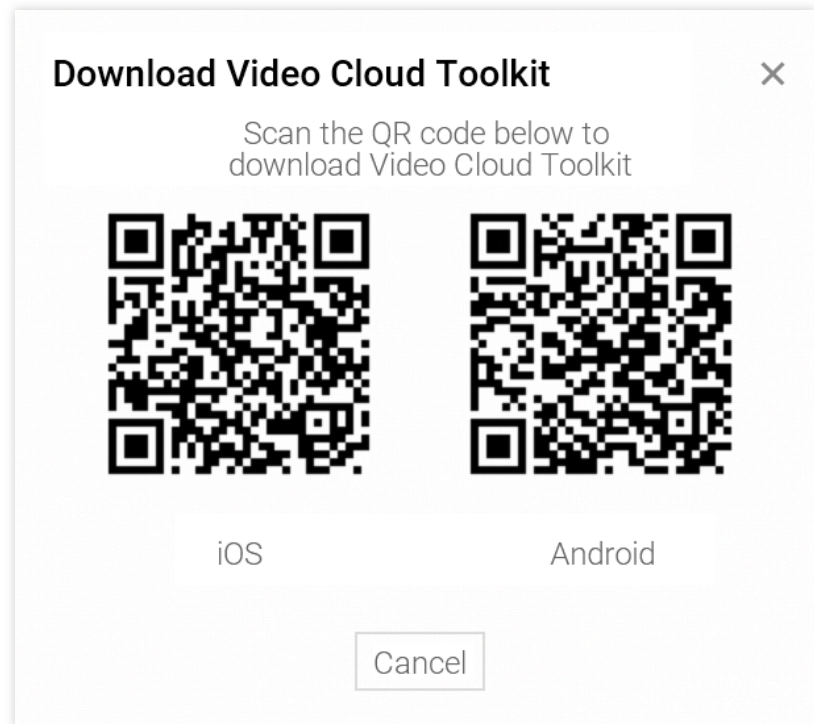
Code Type (HTML)



Copy Code

```
<!DOCTYPE html>
```

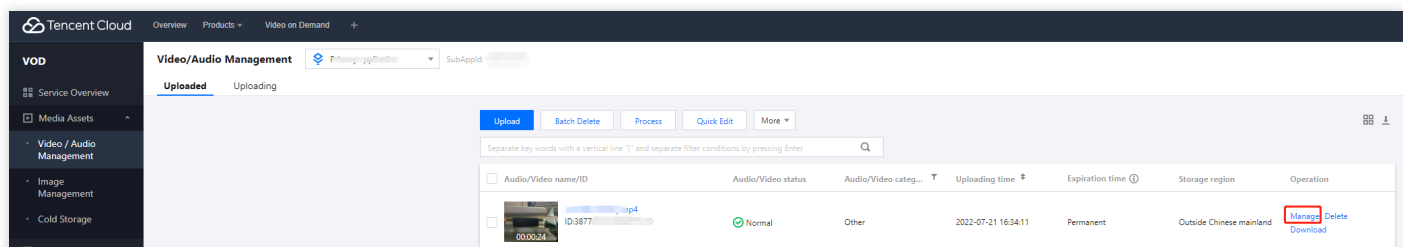
Client player



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.

Exporting the Audio/Video List


Last updated : 2022-09-16 15:48:08

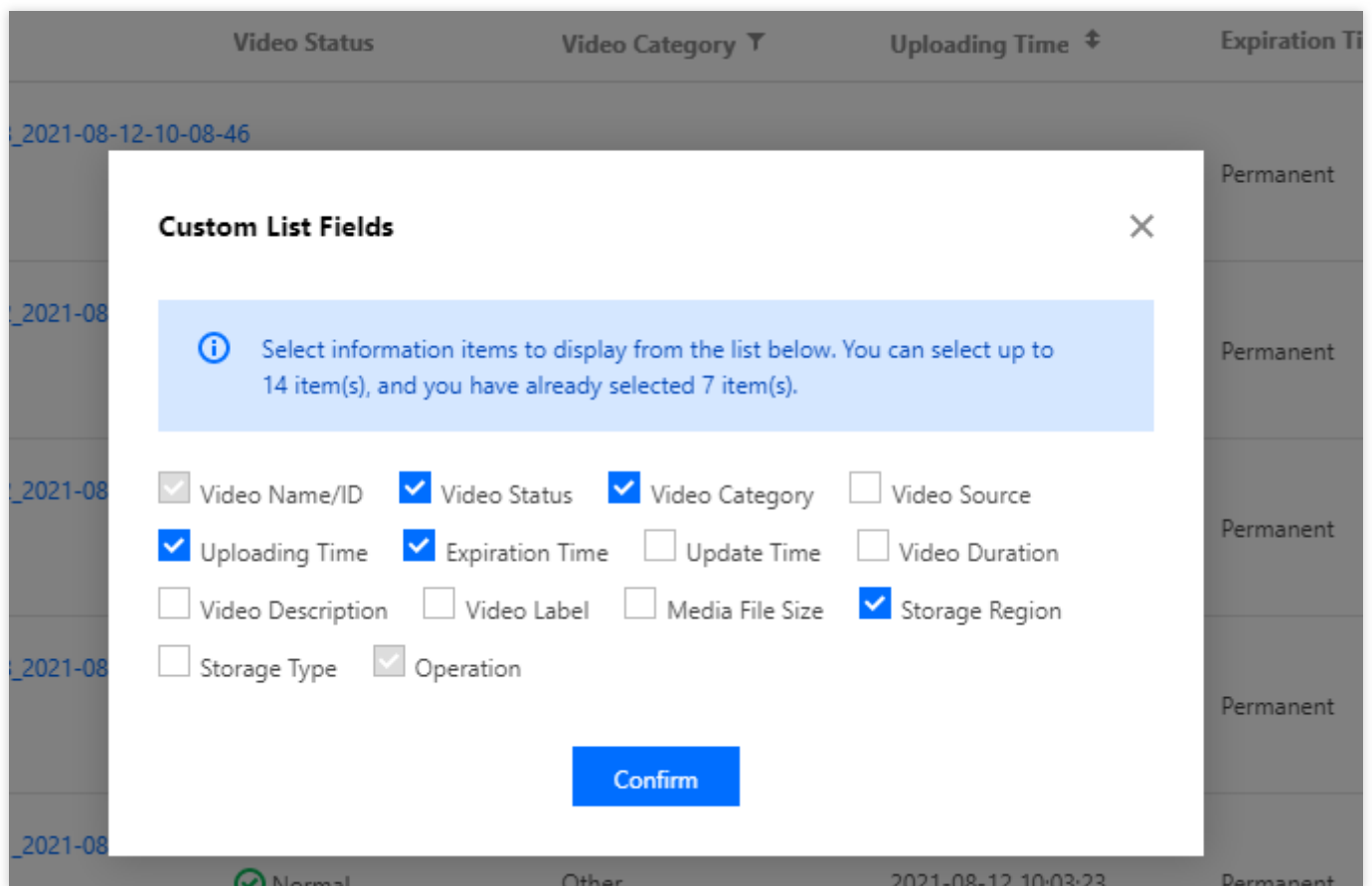
This document describes how to change the fields displayed in the audio/video list and export the list from the VOD console.

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.



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

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.

The screenshot displays the VOD console interface. On the left, the 'Media Assets' menu is expanded, showing 'Video Management' as the active selection. The main content area is titled 'Video Management' and includes a dropdown for the application (set to 'test') and the SubAppId (1400332782). Below this, there are tabs for 'Uploaded' and 'Uploading'. A row of action buttons is visible: 'Upload Video', 'Batch Delete', 'Process Video' (highlighted with a red box), 'Quick Edit', and 'More'. A search bar is present with the placeholder text 'Separate key words with a vertical line "|" and separate filter conditions by pressing Enter'. The video list table has the following data:

Video Name/ID	Video Status	Video Category
<input type="checkbox"/> [Video Thumbnail] ID: 31...	✓ Normal	Other
<input checked="" type="checkbox"/> [Video Thumbnail] ID: 6...	✓ Normal	Other

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

Process Video

ⓘ Using video processing will incur fees. For details, see [Video Processing Billing](#).

Processing Type

☐ Transcoding

☒ Adaptive Bitrate Streaming

☐ Video Audit

☐ Task Flow

Transcoding Template

Adaptive-HLS(10)

Watermark Template

No waterma

Thumbnail

☒ Thumbnail

Confirm

Cancel

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**.

Adaptive Bitrate Streaming List

[Add Subtitle Set](#) [Bind Subtitle Set](#)

Video Info

Template Name/ID	Muxing Type	DRM Type	Substream Count	Switch from Low Resolution to Hi...	Operation
Adaptive-HLS 10	HLS	None	6 substream(s)	Forbid	Copy address Delete Details

Subtitle Info

<input type="checkbox"/> Subtitle Set ID	Language	Display Name	Format	Operation
No subtitle set added.				

Add Subtitle Set ✕

- Only VTT format is supported.
- To add uploaded subtitle sets to a video, you need to bind them first.

Upload Subtitle Set [Select files](#) Only VTT format is supported. You can add up to 16 subtitle sets for 1 media file.

File Name	Language	Display Name	Format	Operation
sample.vtt	English ▼	sample.vtt	VTT	Delete

[OK](#) [Cancel](#)

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**.

Adaptive Bitrate Streaming List

Add Subtitle Set

Bind Subtitle Set

Video Info

Template Name/ID	Muxing Type	DRM Type	Substream Count	Switch from Low Resolution to Hi...	Operation
Adaptive-HLS 10	HLS	None	6 substream(s)	Forbid	Copy address Delete Details

Subtitle Info

<input checked="" type="checkbox"/>	Subtitle Set ID	Language	Display Name	Format	Operation
<input checked="" type="checkbox"/>	9Gwg04	English	sample.vtt	VTT	Delete

Select Adaptive Bitrate Streaming Template

3

Template Name

Template ID

☒

Adaptive-HLS10

OK

Cancel

Specification

Format

Resolution

Bitrate

Size

Operation

☐

Bound successfully

This list is empty

Adaptive Bitrate Streaming List

Add Subtitle Set

Bind Subtitle Set

Video Info

Template Name/ID	Muxing Type	DRM Type	Substream Count	Switch from Low Resolution to Hi...	Operation
Adaptive-HLS 10	HLS	None	6 substream(s)	Forbid	Copy address Delete Details

Subtitle Info

<input checked="" type="checkbox"/>	Subtitle Set ID	Language	Display Name	Format	Operation
<input checked="" type="checkbox"/>	xEfyCq	English	sample.vtt	VTT	Delete

Note :

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

Delete

Specification

Format

Resolution

Bitrate

Size

Operation

Deleted successfully

This list is empty

Adaptive Bitrate Streaming List

Add Subtitle Set

Bind Subtitle Set

Video Info

Template Name/ID	Muxing Type	DRM Type	Substream Count	Switch from Low Resolution to Hi...	Operation
Adaptive-HLS 10	HLS	None	6 substream(s)	Forbid	Copy address Delete Details

Subtitle Info

<input checked="" type="checkbox"/> Subtitle Set ID	Language	Display Name	Format	Operation
<input checked="" type="checkbox"/> 9Gwg04	English	sample.vtt	VTT	Delete

Image Management

Uploading Image

Last updated : 2022-05-26 11:25:23

Overview

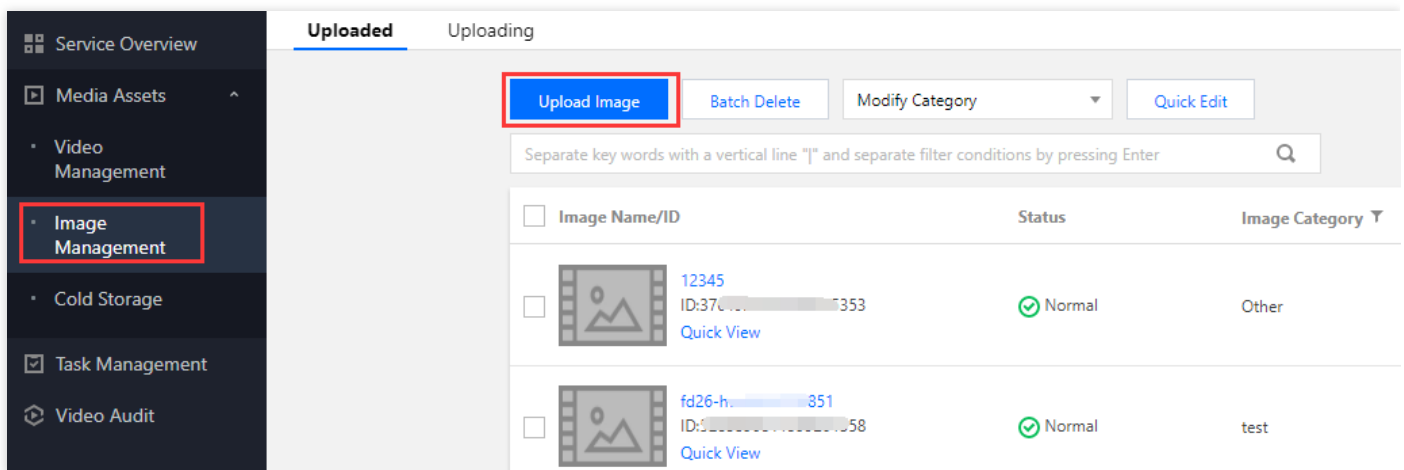
This document describes how to upload images through the VOD console, including local upload and image pull.

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**.

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.

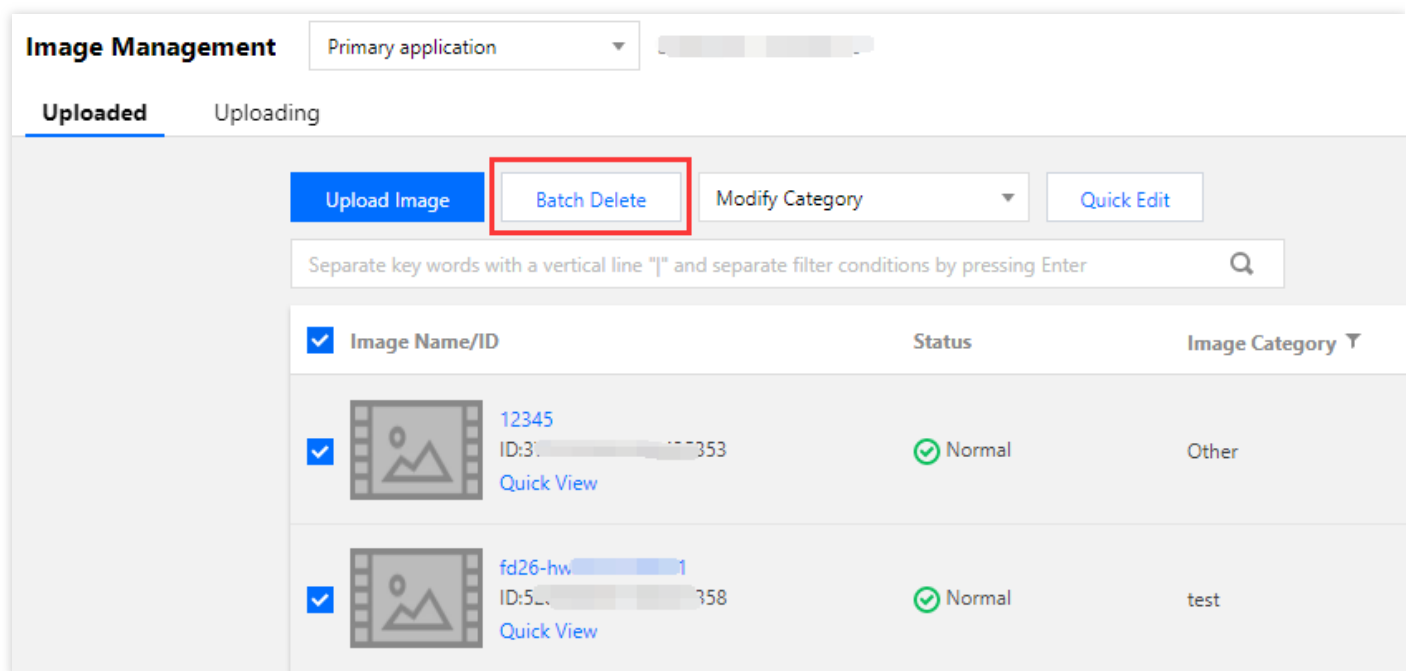


Image Management Primary application

Uploaded Uploading

Upload Image **Batch Delete** Modify Category Quick Edit

Separate key words with a vertical line "|" and separate filter conditions by pressing Enter

<input checked="" type="checkbox"/>	Image Name/ID	Status	Image Category
<input checked="" type="checkbox"/>	12345 ID:3...353 Quick View	✓ Normal	Other
<input checked="" type="checkbox"/>	fd26-hw...1 ID:5...358 Quick View	✓ Normal	test

Modifying Image Category

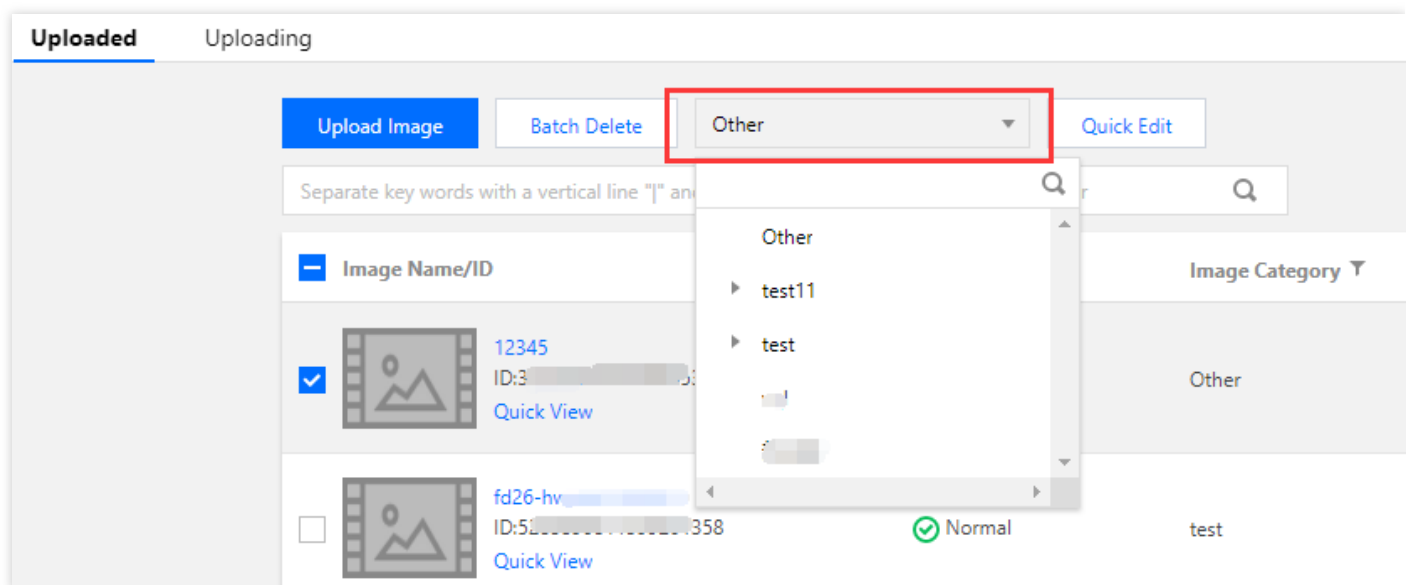
Last updated : 2022-03-14 15:50:01

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.



ID	37	33
Name	12345	
Image URL	http://s...uljfQoA.png 	
Category	Other	
Format	png	
Creation Time	2021-10-04T08:04:58Z	
Update Time	2021-10-14T10:53:50Z	
Size	479.72KB	
Resolution	535*1039	
Storage Type	STANDARD 	

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.

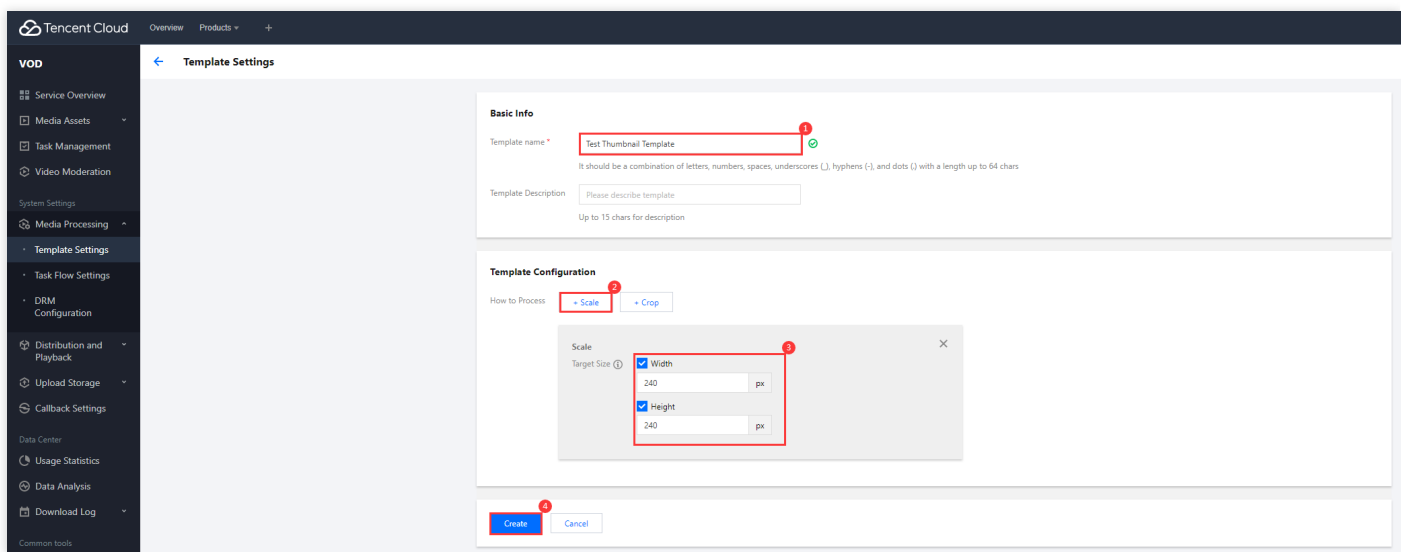
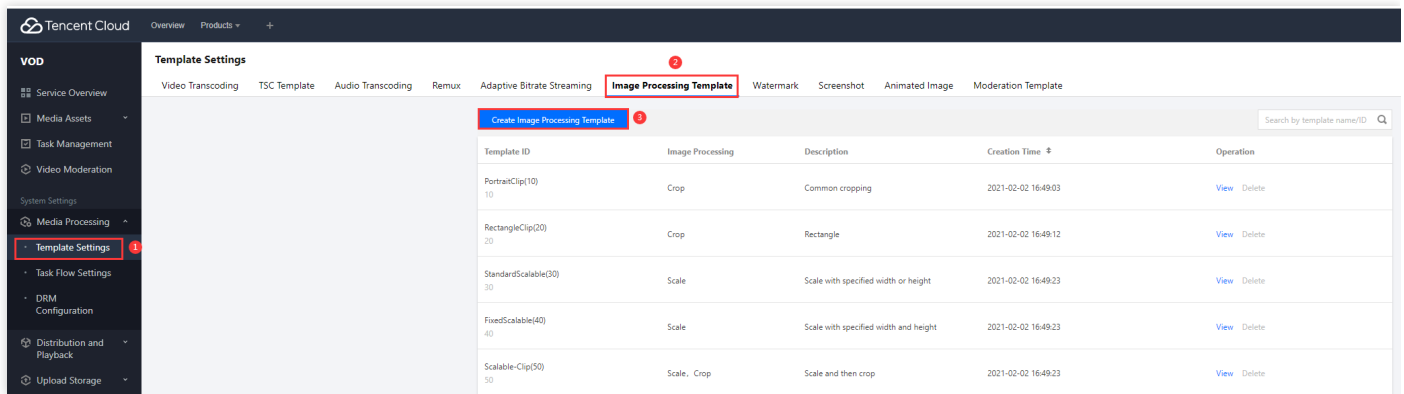
Directions

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.

Test Thumbnail Template	Scale	2022-11-17 12:04:17	View Delete
<input type="text" value="13464"/> Template Number			

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/6caaa776vodcq1500012191/0f9d472c387702299328320141/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/6caaa776vodcq1500012191/0f9d472c387702299328320141/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/6caaa776vodcq1500012191/0f9d472c387702299328320141/Cov1ATJ3AYYA.jpg!13294.PNG`

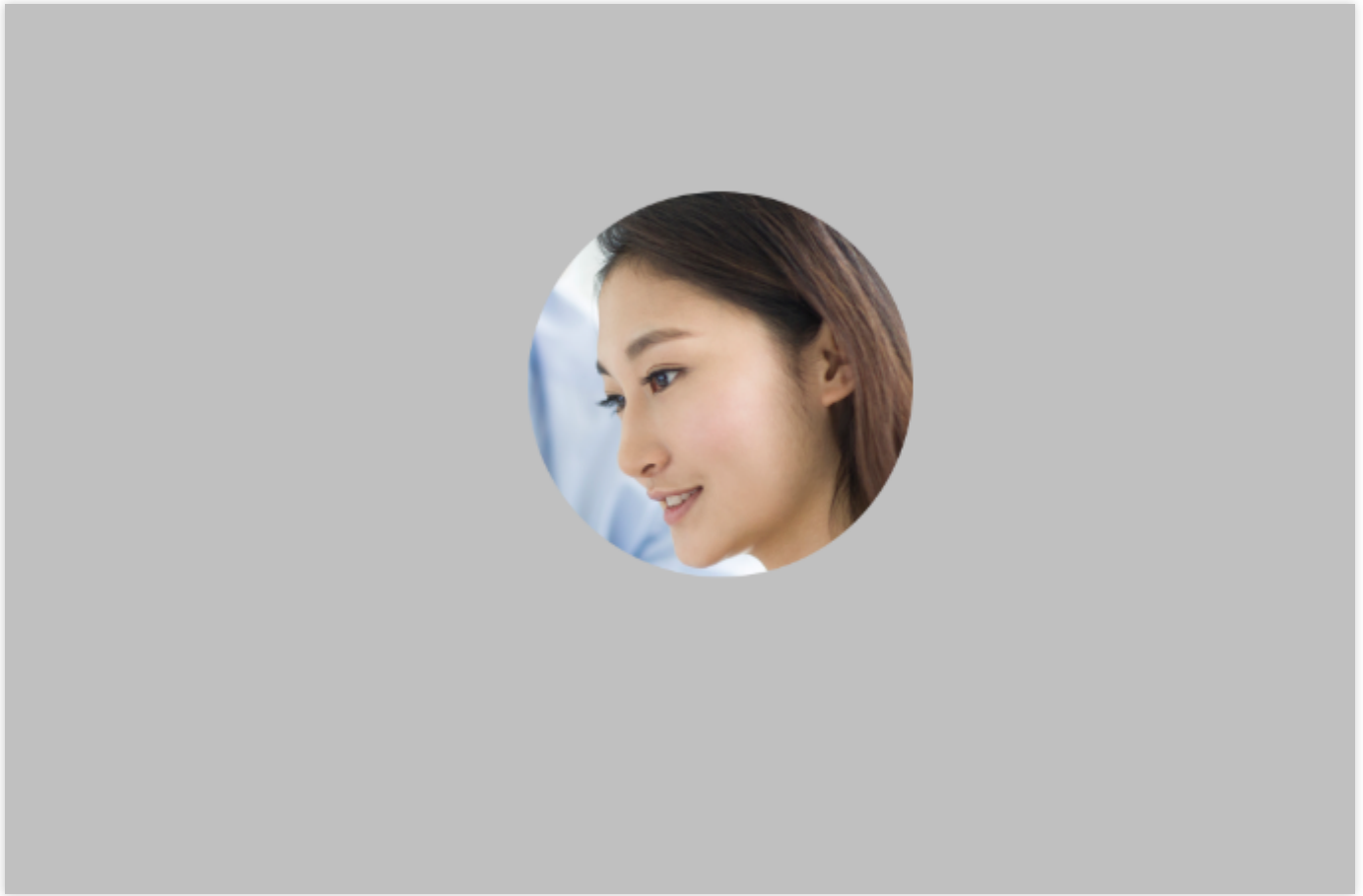
- Result:



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:



Image Moderation

Last updated : 2023-04-17 15:01:47

Overview

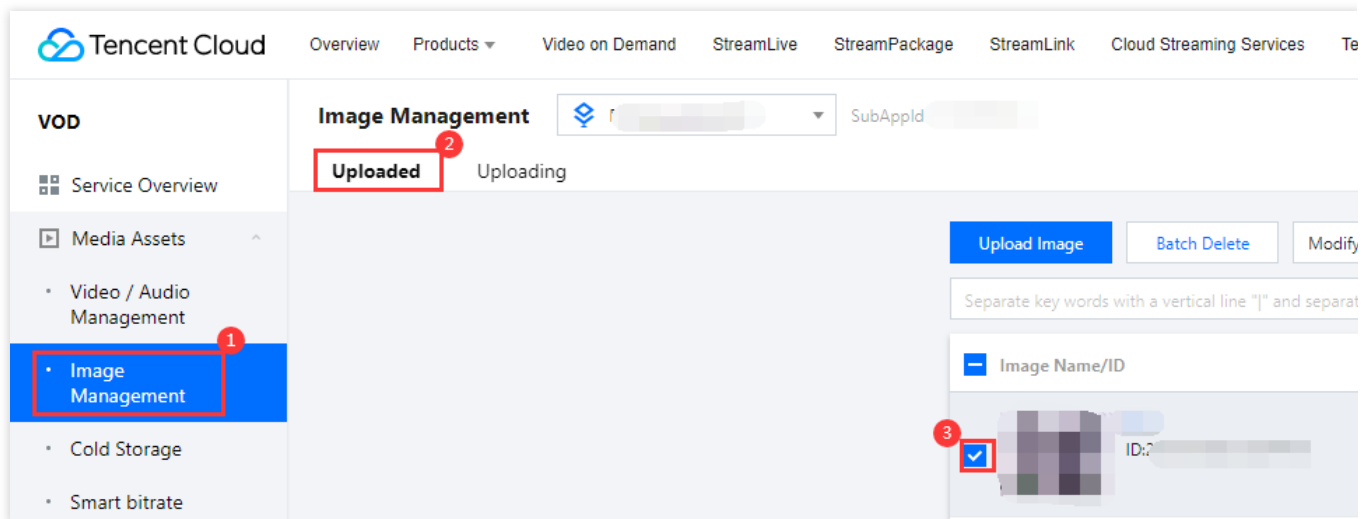
Image moderation is a synchronous task. You will get the result immediately after initiating an image moderation task in the VOD console.

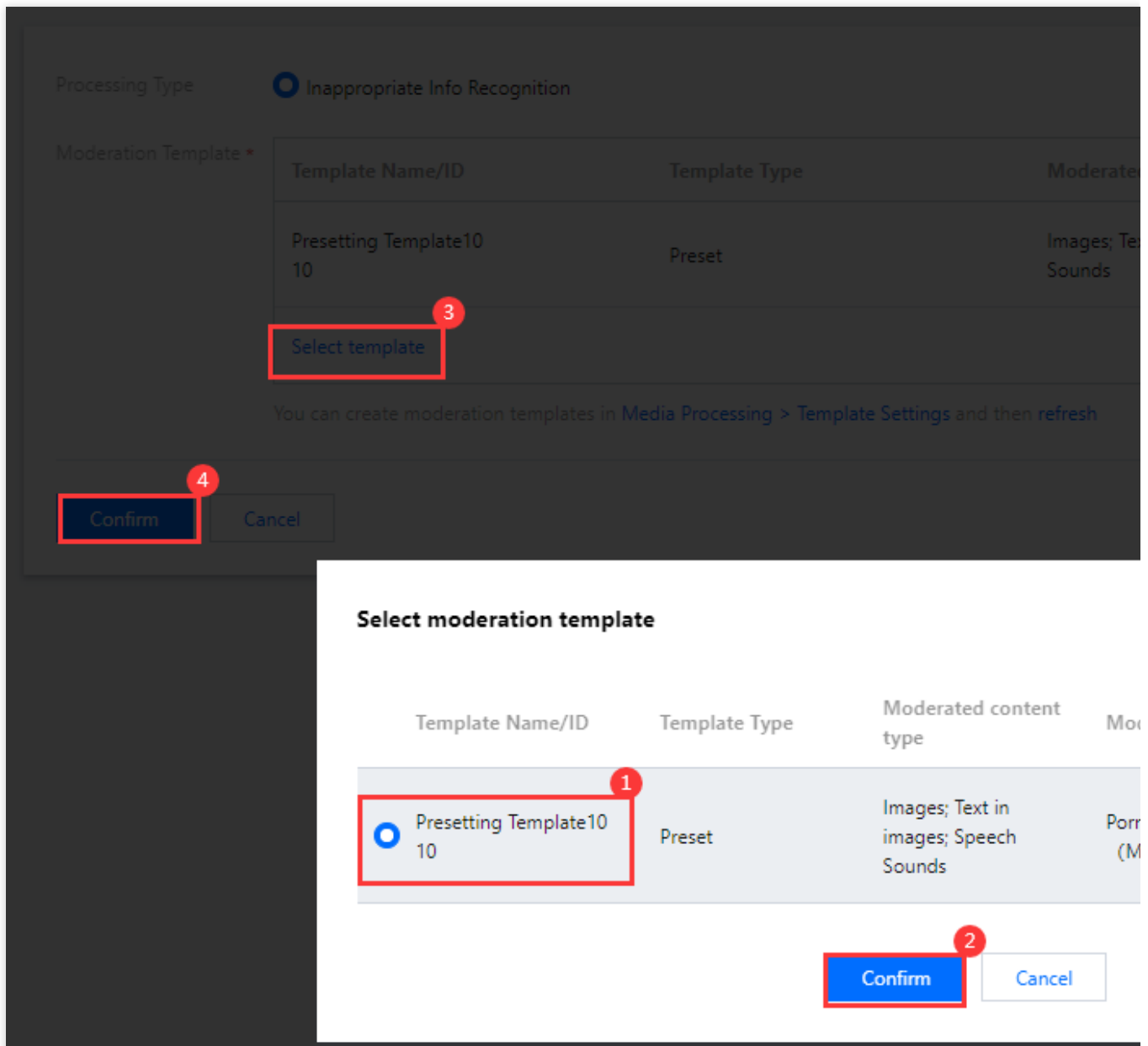
Directions

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.

Image moderation result

Image name/File ID	Moderation result	Violation items
 test	Non-compliant	People or icons in imagesTerrorist(Terror)

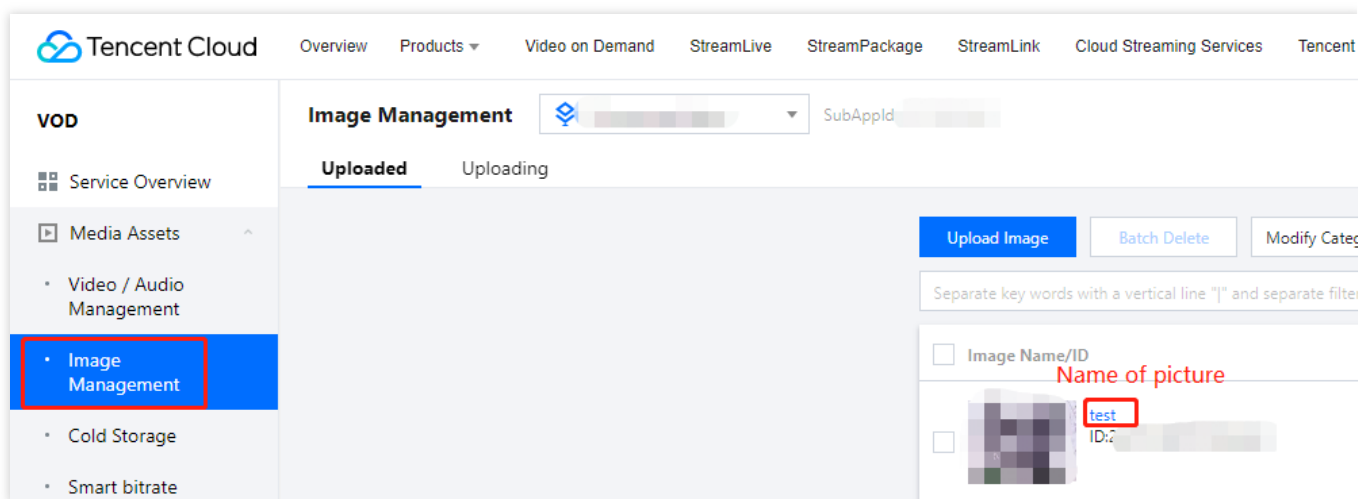
Confirm

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.

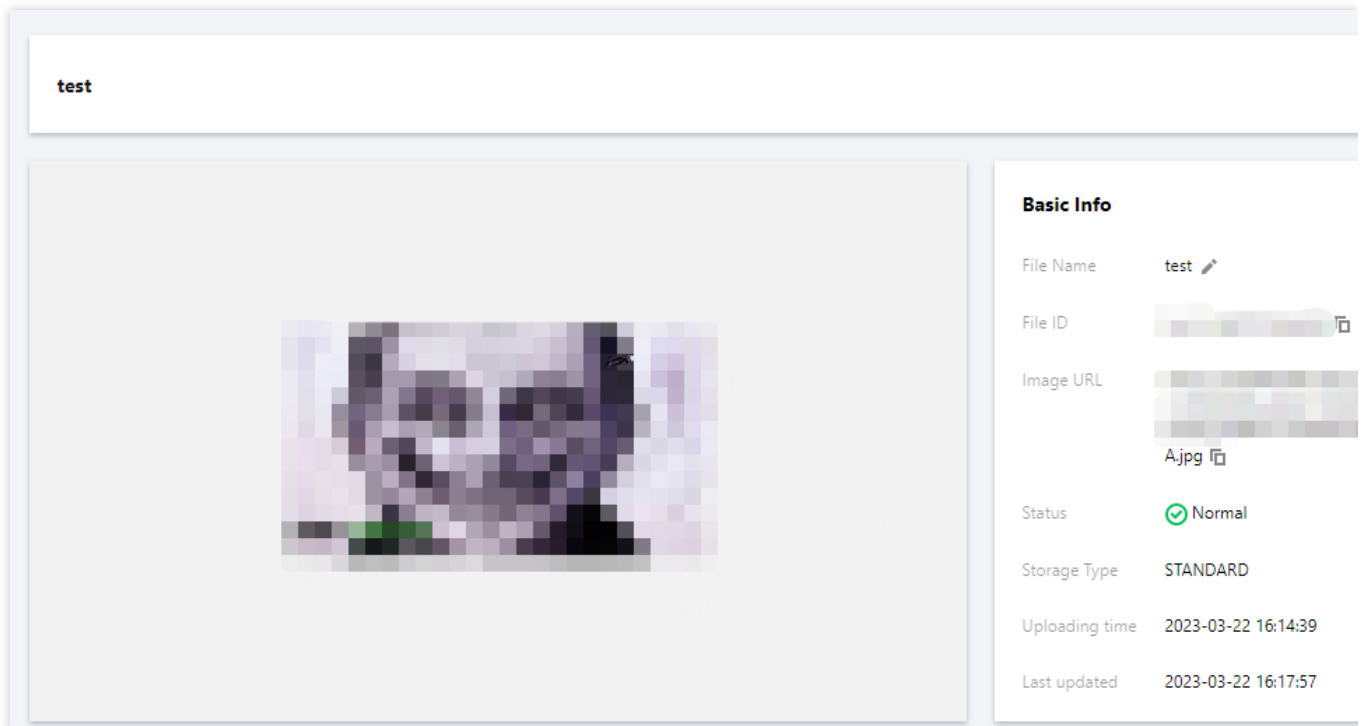
1. Select **Image Management** on the left sidebar. Find the target image.

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.

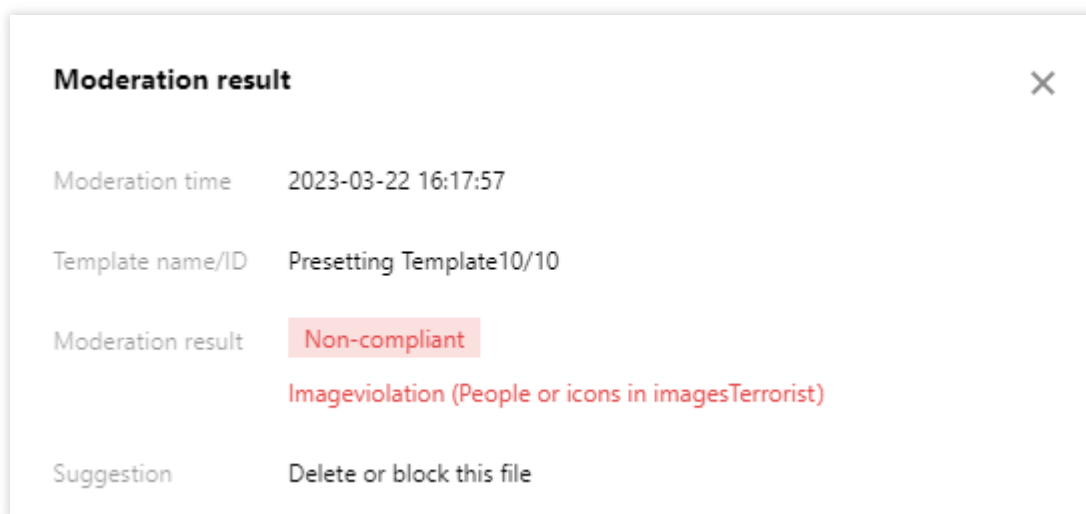
3. Click **View details**. The pop-up window shows the details of the image's last moderation task.

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 : 2022-05-26 11:57:48

Overview

You can perform cold storage operations on VOD resources in the VOD console. VOD supports cold storage based on policy and batch cold storage based on `FileId`.

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

1. Log in to the VOD console and select **Media Assets** > **Cold Storage** to enter the **Custom Rule-based** tab page.

The screenshot shows the VOD console interface. On the left is a sidebar with navigation options: Service Overview, Media Assets (selected), Video Management, Image Management, Cold Storage (selected), Task Management, Video Audit, and System Settings. The main content area is titled 'Cold Storage' and has a dropdown menu set to 'Primary application'. Below this, there are two tabs: 'Custom Rule-based' (active) and 'FileId-based'. A blue information box contains two points: 'You can set policies for cold storage. For details, see [Cold Storage](#).' and 'You can create up to 10 cold storage policies in the VOD console.' Below the box is a 'Create Policy' button. A table lists the existing policy:

Policy ID/Name	Storage Type	Creation Time	Enabled/Disabled	Operation
483 test1	STANDARD_IA	2021-10-14 19:24:39	<input type="checkbox"/>	Edit Delete

At the bottom, it shows 'Total items: 1' and a pagination control for 10 items per page, currently on page 1 of 1.

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.

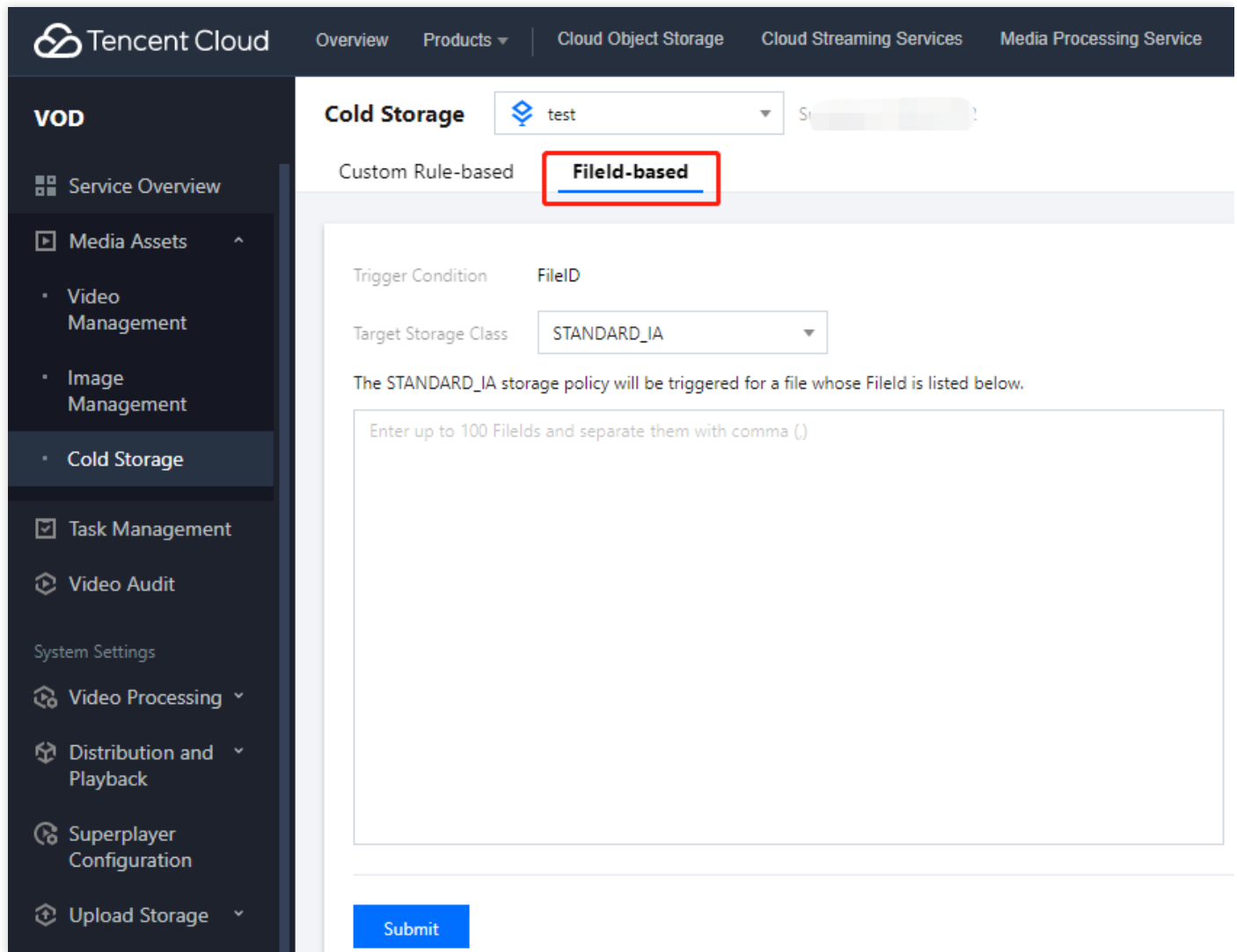
Attribute	Description
Operation	Policies can be disabled and deleted.

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.
- 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

1. Log in to the VOD console, select **Media Assets** > **Cold Storage**, and click the **FileId-based** tab. You can trigger cold storage by `FileId` .



Tencent Cloud Overview Products Cloud Object Storage Cloud Streaming Services Media Processing Service

VOD

- Service Overview
- Media Assets
 - Video Management
 - Image Management
 - Cold Storage**
- Task Management
- Video Audit
- System Settings
 - Video Processing
 - Distribution and Playback
- Superplayer Configuration
- Upload Storage

Cold Storage test

Custom Rule-based **FileId-based**

Trigger Condition FileID

Target Storage Class STANDARD_IA

The STANDARD_IA storage policy will be triggered for a file whose FileId is listed below.

Enter up to 100 FileIds and separate them with comma (,)

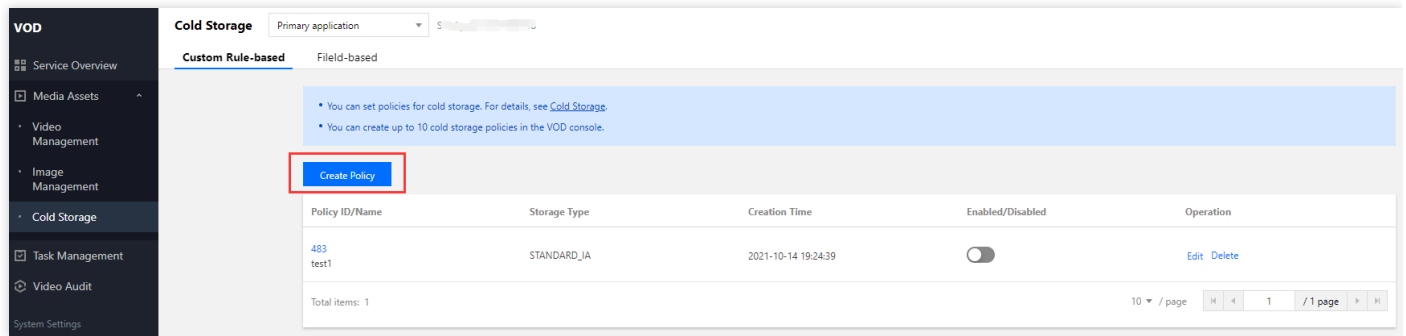
Submit

Note :

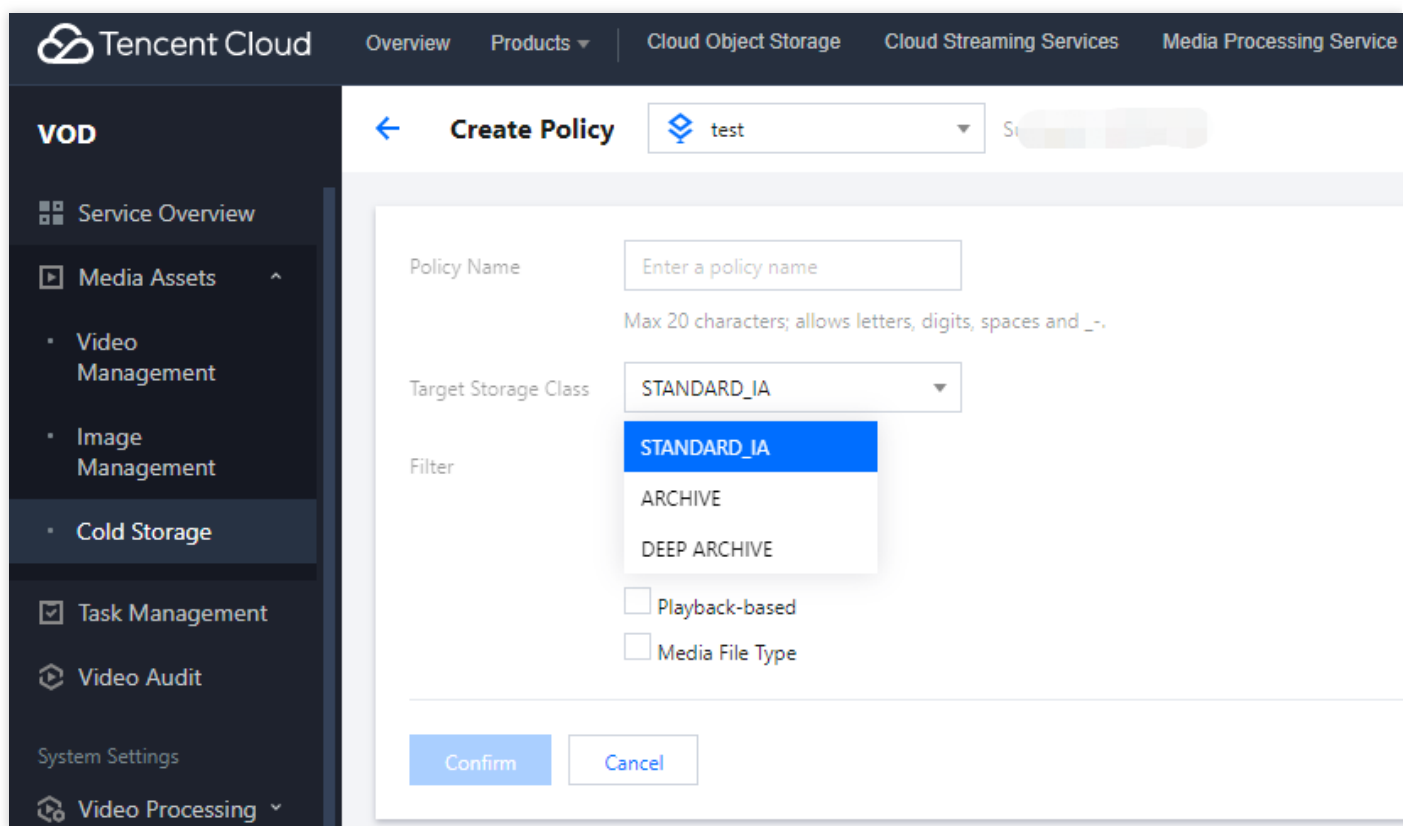
FileId-based cold storage supports up to 100 `FileId` values at a time.

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.

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.

- The smart bitrate reduction feature automatically executes Top Speed Codec transcoding tasks on videos whose playback count reaches the specified threshold within the specified bandwidth costs. You can configure up to 10 bitrate reduction policies. For details, see [Smart Bitrate Reduction](#).
- The feature itself is currently in beta and is offered for free. However, Top Speed Codec transcoding will incur fees. For details, see [Top Speed Codec](#).

Create policy

Policy ID/Name	Trigger conditions	Creation Time	Enable/Disable
10027 test	A video is played more than 999 times within 60 minutes.	2022-11-02 15:43:20	<input checked="" type="checkbox"/>


Total items: 1

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.

 A policy will be triggered only if all the conditions are met. For details, see [Smart Bitrate Reduction](#).

Policy name *

test

Max 20 characters; allows letters, digits, spaces and _-.

Trigger conditions

☒ Playback count*

A video is played more than

times within

Please select

minutes

☐ Video Label

Action

If a video meets the conditions, VOD will execute the same Top Speed Codec transcoding task on all its transcoding and adaptive bitrate outputs.

Confirm

Cancel

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

- The smart bitrate reduction feature automatically executes Top Speed Codec transcoding tasks on videos whose playback count reaches the specified threshold within the specified bandwidth costs. You can configure up to 10 bitrate reduction policies. For details, see [Smart Bitrate Reduction](#).
- The feature itself is currently in beta and is offered for free. However, Top Speed Codec transcoding will incur fees. For details, see [Top Speed Codec](#).

Create policy

Policy ID/Name	Trigger conditions	Creation Time	Enable/Disable
10027 test	A video is played more than 999 times within 60 minutes.	2022-11-02 15:43:20	<input checked="" type="checkbox"/>

Total items: 1

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](#).

The Task Management page only displays the details of executed tasks and only supports querying the task processing status and task details within last 72 hours.					
Task ID	Task Status ▾	Creation Time ↕	Start Time	Completion Time ↕	Operation
125...	Processing	2021-10-14 19:46:36	2021-10-14 19:46:36	-	Details

Basic information:

Field	Description
Task ID	Unique ID generated after a task is created
Task Status	<ul style="list-style-type: none">Waiting : The task is waiting.Completed : The task is completed. Failed tasks and successfully completed tasks are both considered completed.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

Service Overview				
Media Assets				
Task Management				
Video Audit				

FileId	File Name	Task Type	Task Status	Subtask
▶ 3-11-2021-162	111_2021-12-10-08-46	Process Video	✔ Completed	Show More

Field	Description
FileId	<code>FileId</code> of the media on which the task is executed
File Name	Filename of the media
Task Type	Type of task attached to the <code>FileId</code> , which can be video processing, video audit, content analysis, or content recognition
Task Status	<ul style="list-style-type: none">ProcessingCompleted
Subtask	Name of the subtask attached to the <code>FileId</code>

Audio/Video Moderation

Last updated : 2023-04-17 15:09:57

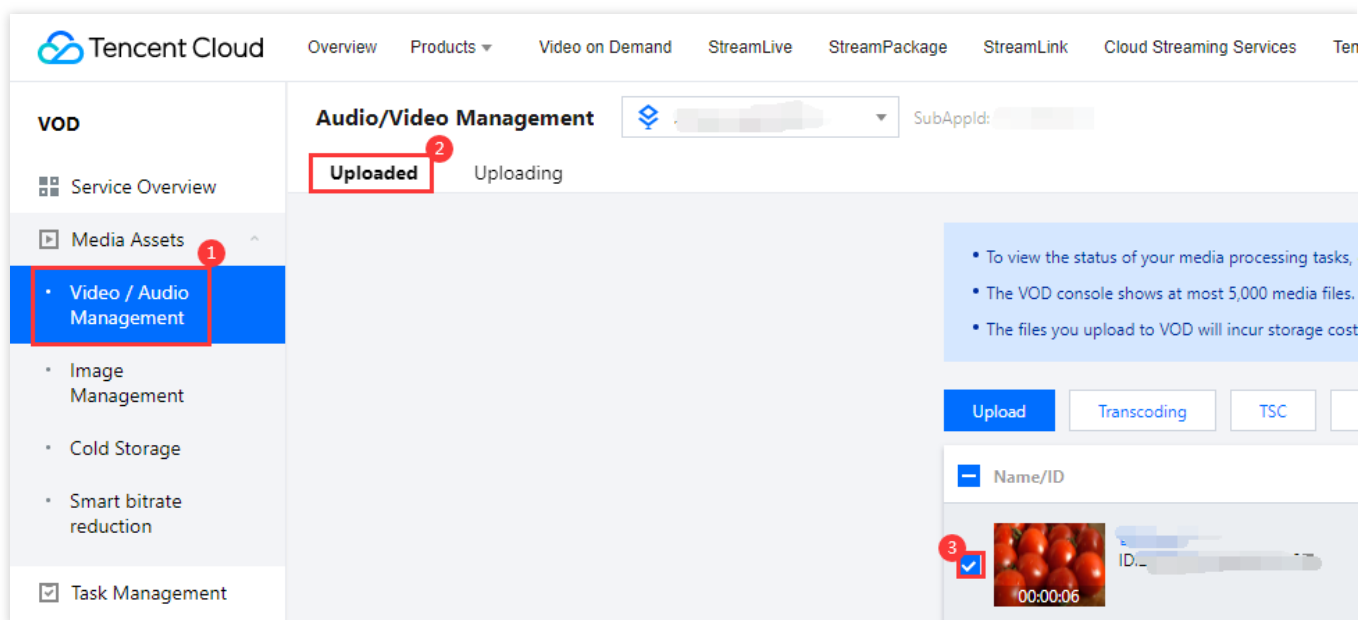
Overview

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**.

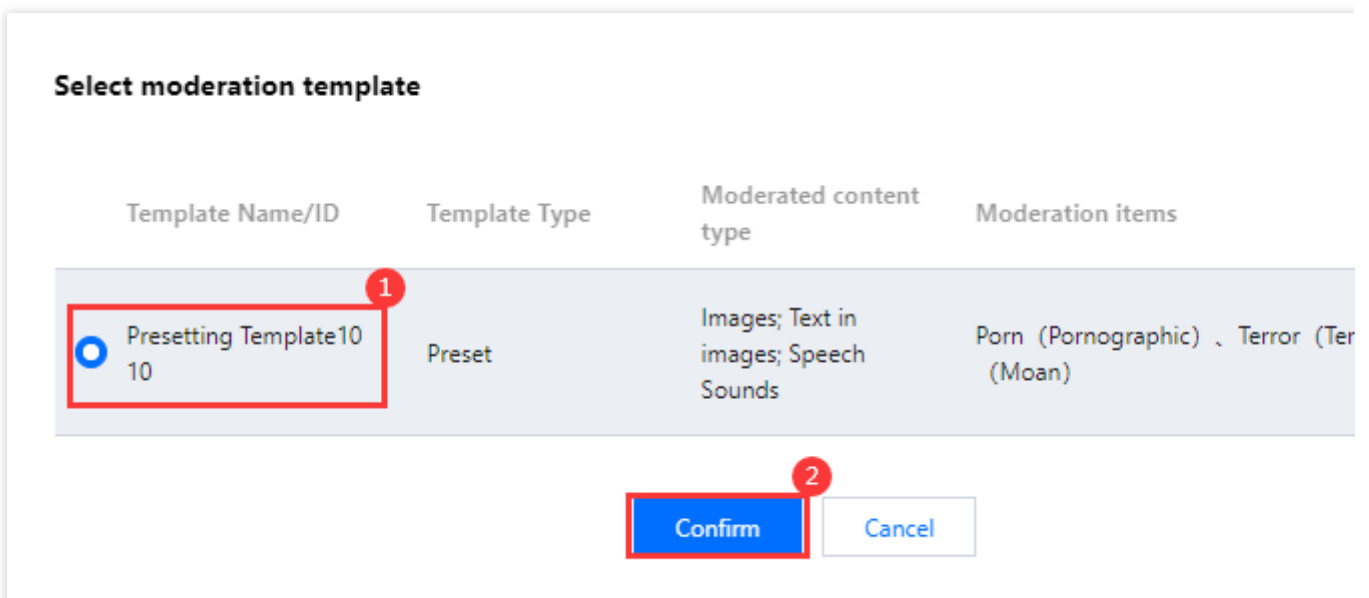
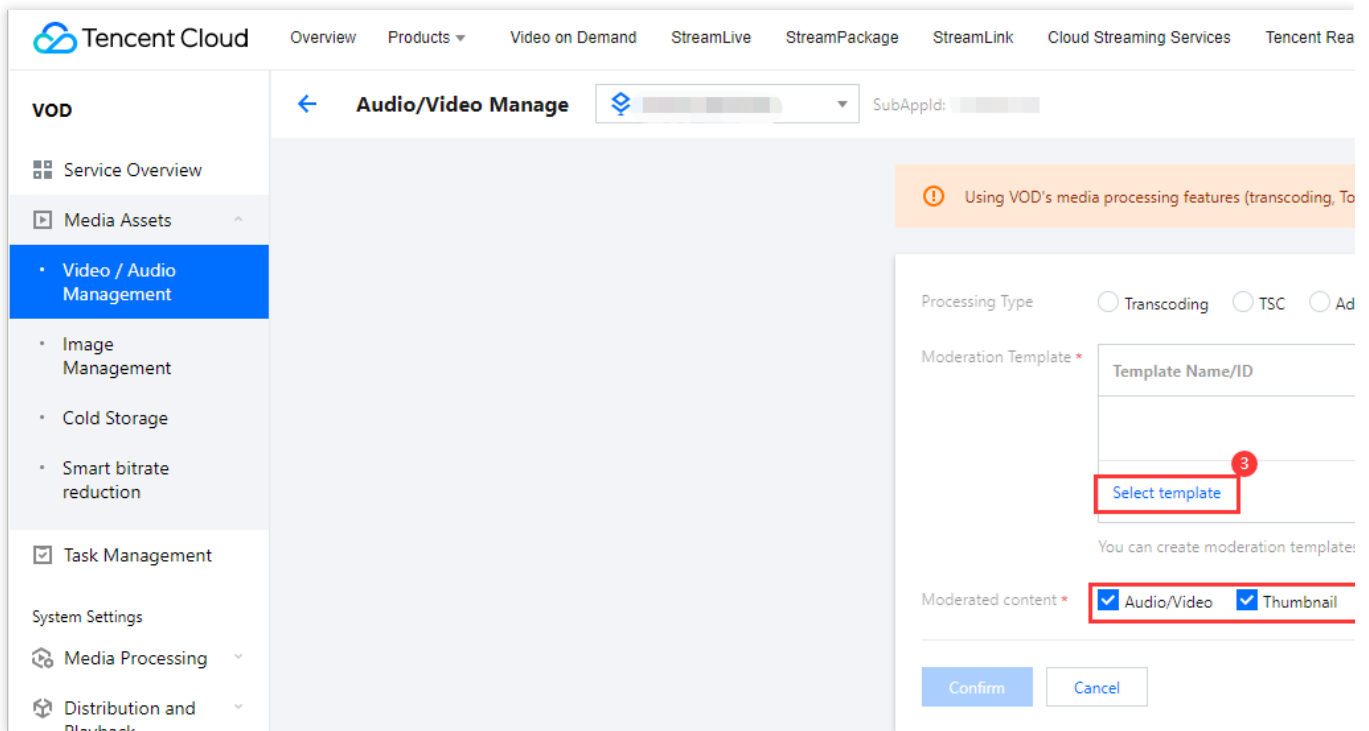
Directions

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 `Template10/10` , and click **Confirm**.



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

Processing Type ☐ Transcoding ☐ TSC ☐ Adaptive Bitrate Streaming ☐ Task Flow ☒ Inappropriate Info Recognition

Moderation Template *

Template Name/ID	Template Type	Moderated content type	Moderation it
Presetting Template1010	Preset	Images; Text in images; Speech Sounds	Porn (Pornog
Select template			

You can create moderation templates in [Media Processing > Template Settings](#) and then [refresh](#)

Moderated content * ☒ Audio/Video ☒ Thumbnail

[Confirm](#) [Cancel](#)

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").

Tencent Cloud Overview Products Video on Demand StreamLive StreamPackage StreamLink Cloud Streaming Services Tencent Real-Time Communication +

VOD

- Service Overview
- Media Assets
- Task Management**
- System Settings
 - Media Processing
 - Distribution and Playback
 - Upload Storage

Task center

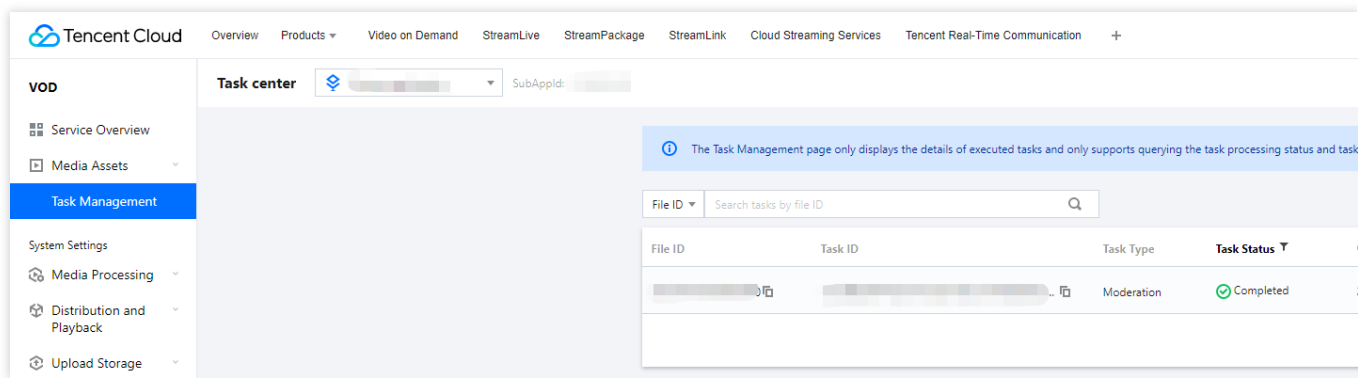
SubAppId:

The Task Management page only displays the details of executed tasks and only supports querying the task processing status and

File ID Search tasks by file ID

File ID	Task ID	Task Type	Task Status
		Moderation	Completed

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.

Summary of audit results

Moderation result **Non-compliant** Audio/Videoviolation (Pornographic) Thumbnailsuspected violation (Pornographic) [Audit follow-up](#)

The overall audit opinion of the audit task is irregular.

Task details

File Name		Task ID	
File ID		Template name/ID	Presetting Template10/10
File URL		Time used	00:00:14

Audio/Video moderation

Up to 10 entries are shown for each moderation type. To view all the moderation results, [download the data.](#) [Download all audit results](#)

[Review File Play preview](#)




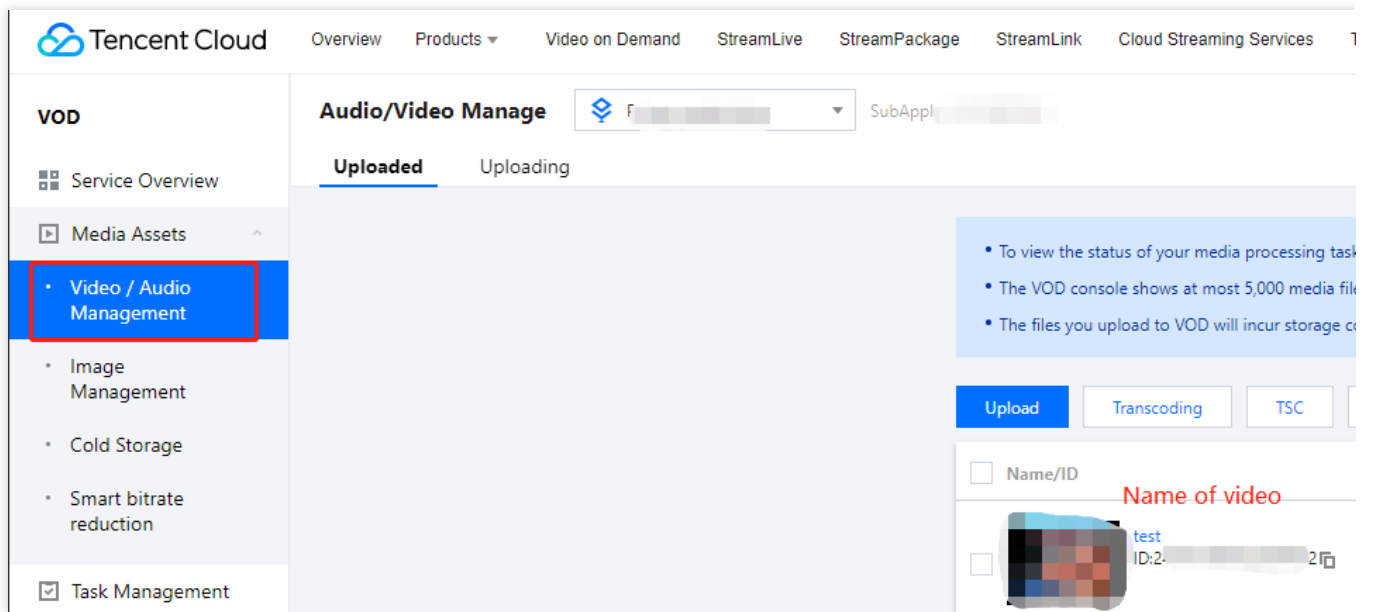
Image moderation(25)	
Moderation result	Violation items
Non-compliant	Pornographic
Non-compliant	Pornographic
Non-compliant	Pornographic
Non-compliant	Pornographic
Non-compliant	Pornographic

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.

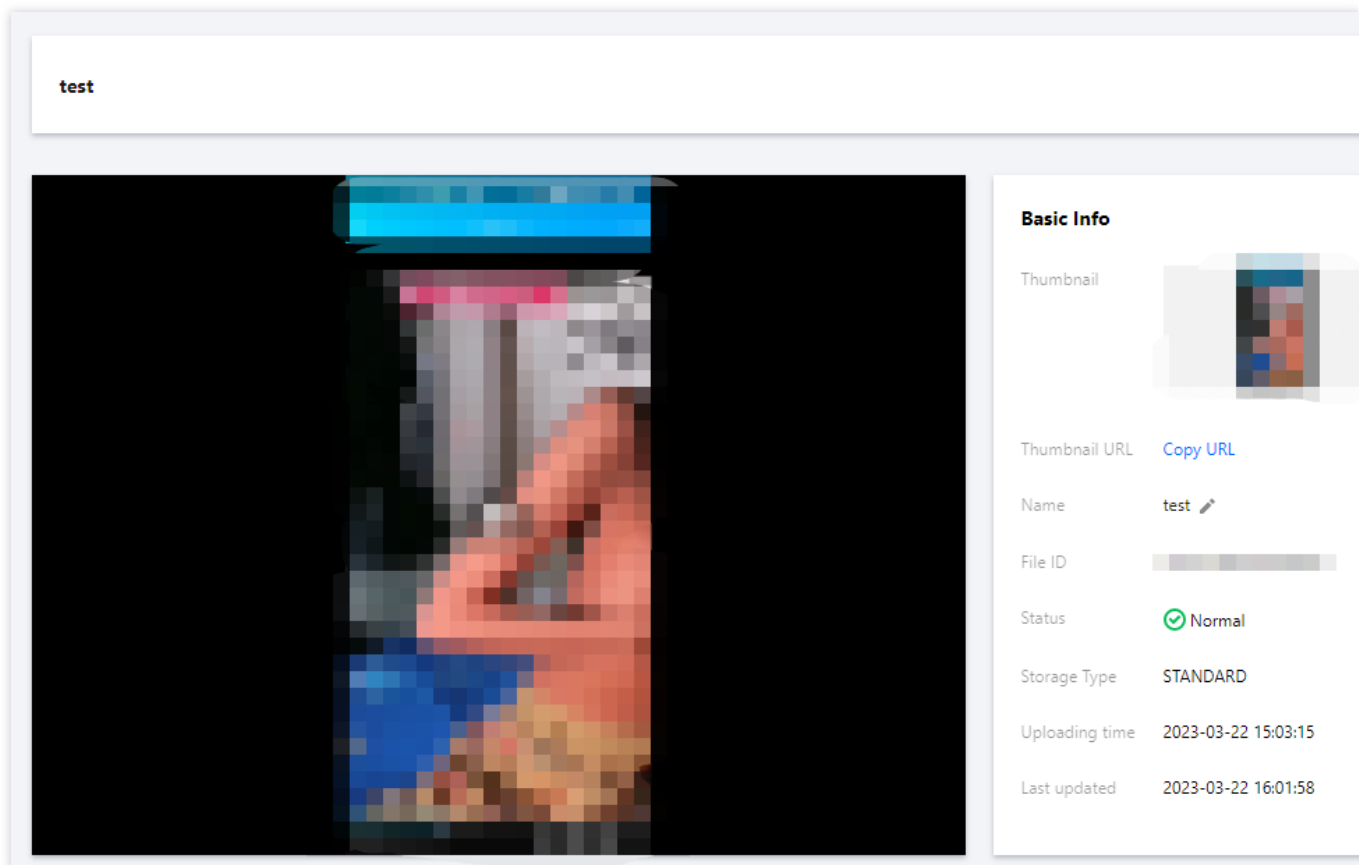


2. Click the name of the file to enter the details page.

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.



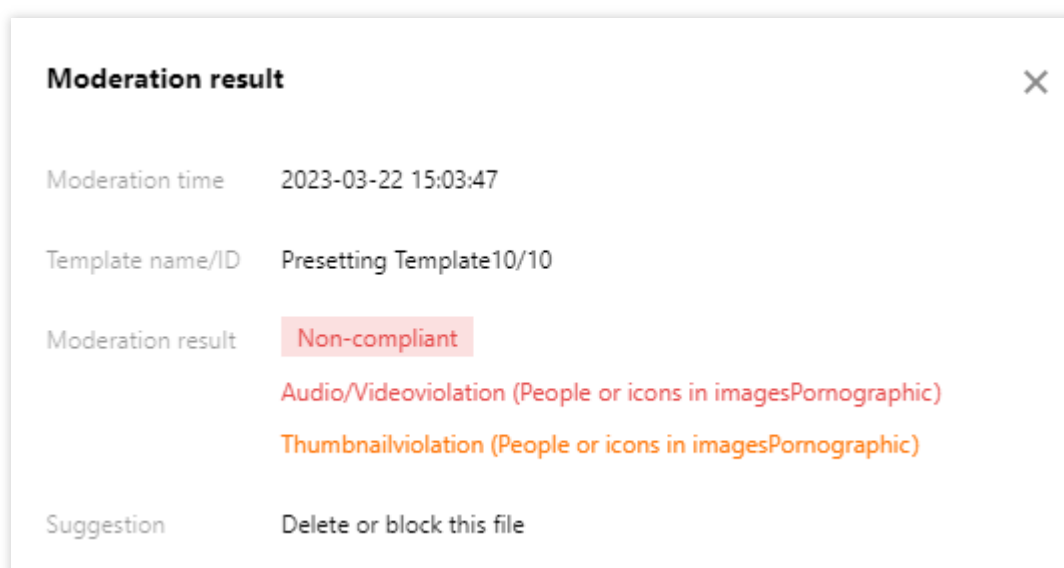
3. Click **View details**. The pop-up window shows the details of the file's last moderation task.

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

Template Configuration

Last updated : 2024-03-11 17:51:21

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](#).

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.

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 (.).

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.

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](#).

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)

MultiDRMPreset		SDMC-Adaptive-DASH-Widevine(41)
	Screencapturing	SpriteScreenshot(10)
	Thumbnail generation	TimepointScreenshot(10)
	Adaptive bitrate streaming	Adaptive-HLS-EncryptBase(14)
		Adaptive-HLS-Widevine(13)
		Adaptive-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: Preset supported 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 .
TSC transcoding	Transcoding templates: Preset supported 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. 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 . 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 . 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.

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:

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](#).

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

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

Add Domain Primary application `xxx.vod2.myqcloud.com` Domain Name Management Guide

Domain Name Configuration

Domain Name

Acceleration Region ☒ Chinese mainland (ICP filing required) ☐ Outside Chinese mainland (ICP filing not required) ☐ Global acceleration (ICP filing required)

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

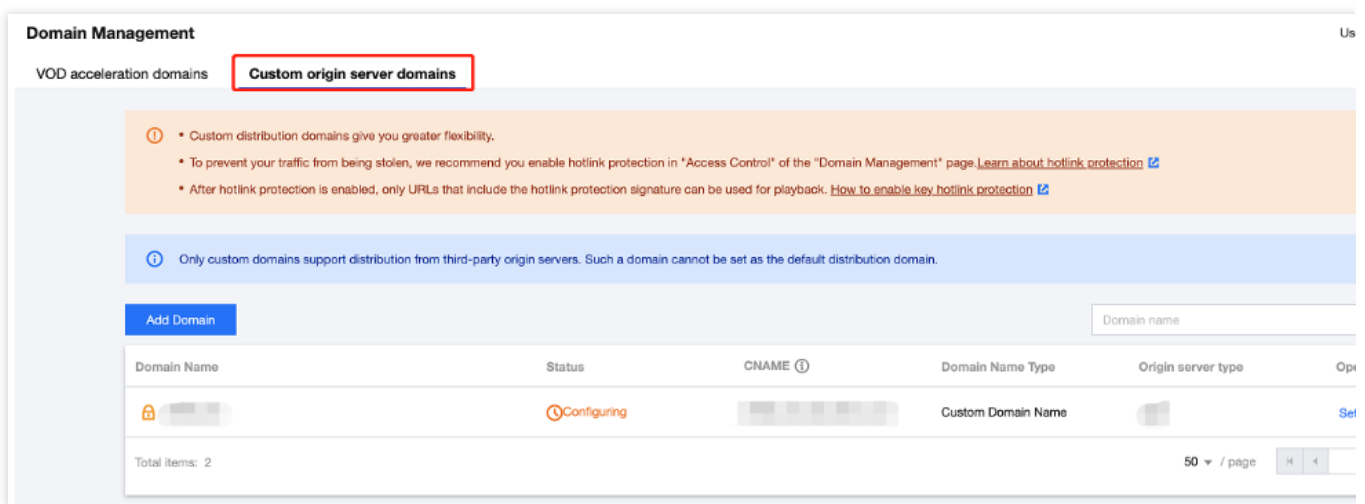
Last updated : 2023-04-17 15:01:47

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](#).

Domain Name Configuration

Domain Name

Acceleration Region ⓘ



Chinese mainland (ICP filing required)



Outside Chinese mainland (ICP filing not required)



Global acceleration (ICP filing not required)

Configure the origin server

Origin server ⓘ

Origin server type



Self-owned server



Third-party storage

Protocol



HTTP



HTTPS



Same as request ⓘ

Origin server address

Host ⓘ

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	<p>If your content is stored in the bucket of a third-party storage service, enter a valid address of the bucket (cannot contain <code>http://</code> or <code>https://</code> headers). Currently, Alibaba Cloud OSS and AWS S3 are supported.</p> <p>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.</p>

Note:

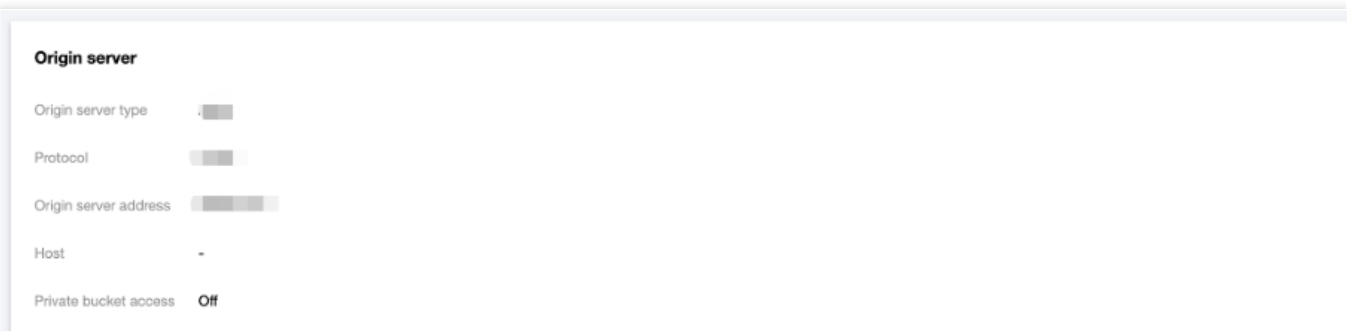
For self-owned origin servers, you can specify the host of a domain or IP address that VOD pulls from. If you do not specify it, VOD will pull from the current domain.

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.



Origin server

Origin server type

Protocol

Origin server address

Host

Private bucket access ☐ Off

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.

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.

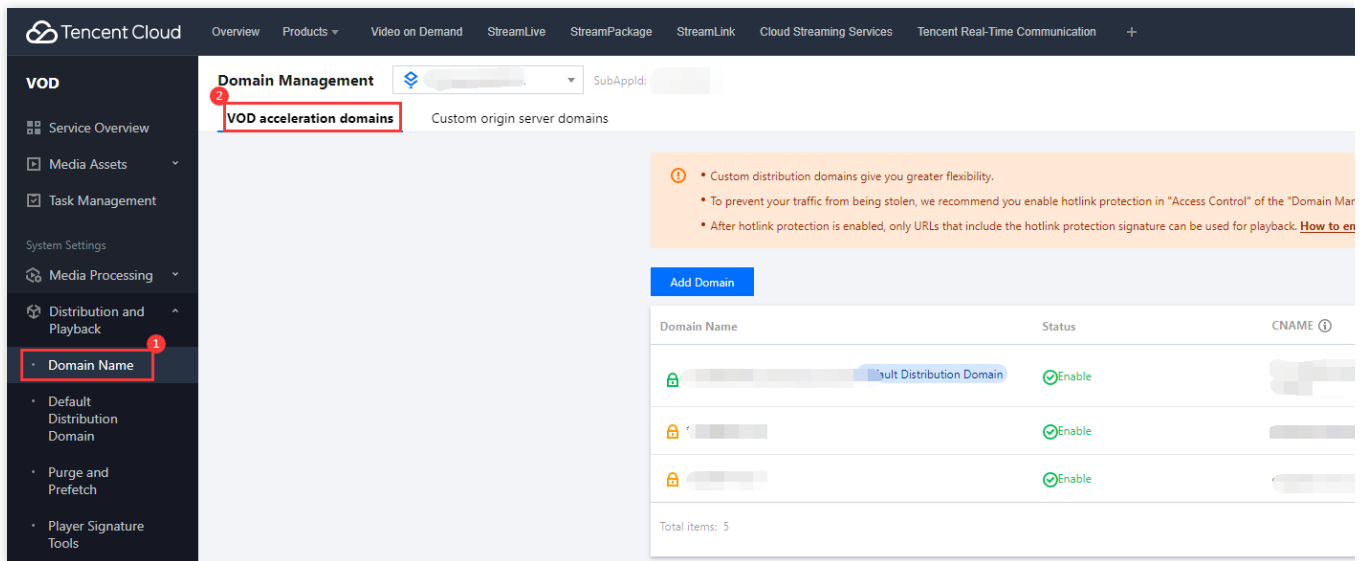
3. Select "Distribution and Playback" > "Domain Name" on the left navigation bar.

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 domain name have an https certificate(SSL or TLS) configured.



Domain Management

VOD acceleration domains Custom origin server domains

SubAppId: [redacted]

Custom distribution domains give you greater flexibility.

- To prevent your traffic from being stolen, we recommend you enable hotlink protection in "Access Control" of the "Domain Management" console.
- After hotlink protection is enabled, only URLs that include the hotlink protection signature can be used for playback. [How to enable hotlink protection](#)

Add Domain

Domain Name	Status	CNAME
[redacted] .tencentcloud.com	Enable	[redacted]
[redacted] .tencentcloud.com	Enable	[redacted]
[redacted] .tencentcloud.com	Enable	[redacted]

Total items: 5

QUIC

Quick UDP Internet Connections (QUIC) guarantees network security and reduces transport and connection latency. After QUIC is enabled, CDNs can be accessed via QUIC details, see [QUIC](#).

QUIC ☒

Disable QUIC Acceleration

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

QUIC

Quick UDP Internet Connections (QUIC) guarantees network security and reduces transport and connection latency. After QUIC is enabled, CDNs can be accessed via QUIC details, see [QUIC](#).

QUIC ☐

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

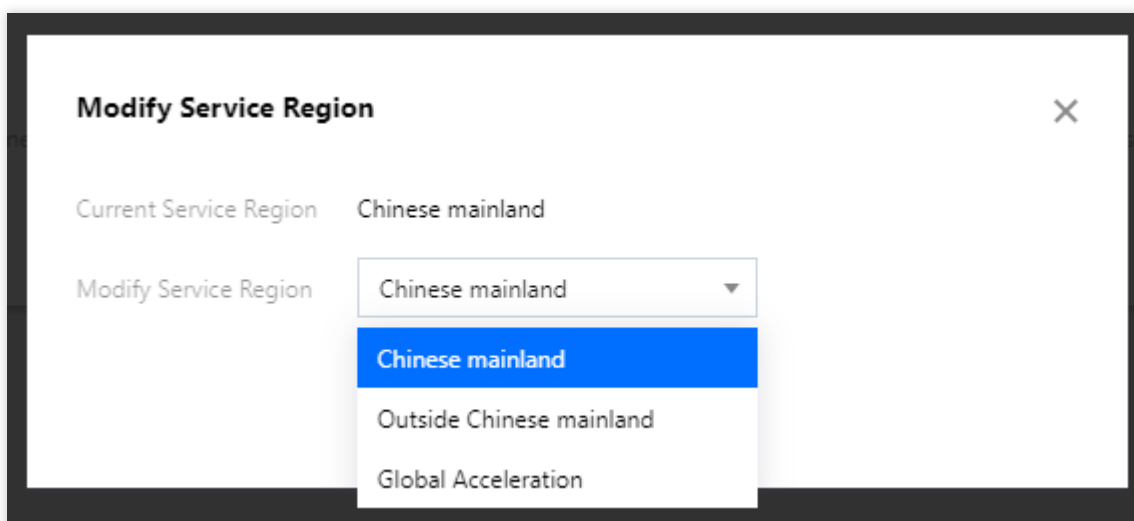
1. Log in to the [VOD console](#) and click **Distribution and Playback** > **Domain Name** on the left sidebar.
2. Click **Set** in the row of the target domain name to enter the configuration page.
3. Click **Access Control**, and then toggle **Use Certificate** on or off.

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:

- i. Click **Generate** to generate a hotlink protection key.
 - ii. 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.

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.

Domain Name	Status	CNAME ⓘ	Domain Name Type	Operation
[Domain Name]	Enable	[CNAME]	Preset VOD Domain Name	Set
[Domain Name] Default Distribution Domain	Enable	[CNAME]	Custom Domain Name	Set Disable
[Domain Name]	Enable	-	Custom Domain Name	Set Disable

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`.

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.

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.

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.

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.

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.

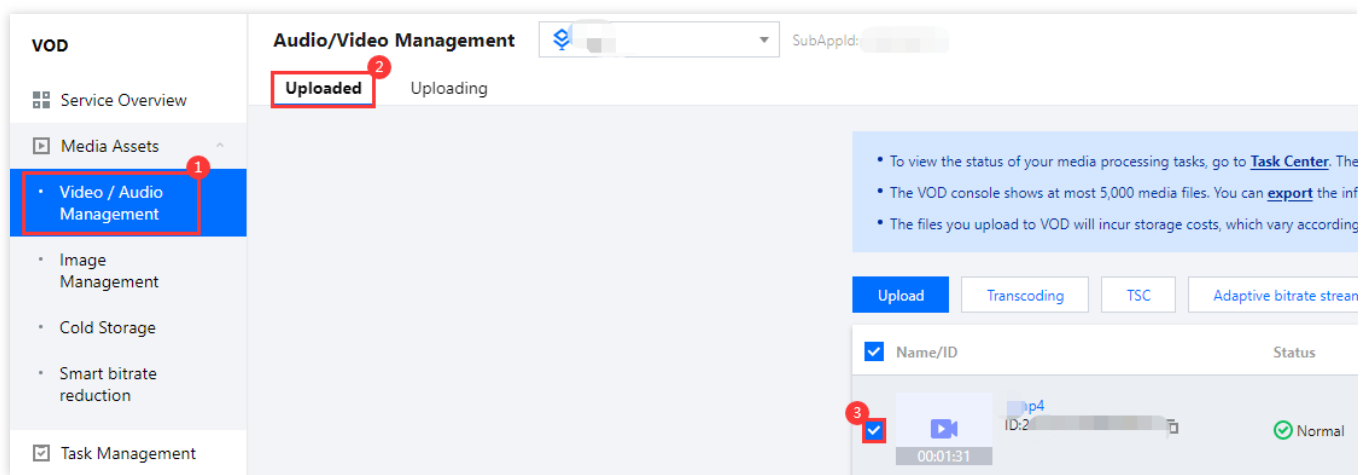
Note:

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**.

Original file

Filename/ID	Bitrate (Kbps)	Frame rate (fps)	Resolution	Duration
1.mp4	451.17Kbps	25	640 x 360	00:01:31

Processing Type ☐ Transcoding ☐ TSC ☐ Adaptive bitrate streaming ☐ Task Flow ☐ Content moderation ☒ Remaster

Template * [Select template](#)

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

Select template

Template name/ID	Enhancement details	Creation Time	Update Time
<input checked="" type="radio"/> RebuildMedia-Video-Audio-Enhance 10	Smart frame interpolation, Super resolution, Image noise removal, Image restoration, Color enhancement, Detail enhancement, Face enhancement, Low-light enhancement, Banding removal, Artifact removal, Audio noise removal	2023-04-04 10:53:52	2023-04-04
<input type="radio"/> RebuildMedia-Audio-Enhance 11	Audio noise removal	2023-04-04 10:54:08	2023-04-04

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

Original file

Filename/ID	Bitrate (Kbps)	Frame rate (fps)	Resolution	Duration
mp4	451.17Kbps	25	640 x 360	00:01:31

Processing Type ☐ Transcoding ☐ TSC ☐ Adaptive bitrate streaming ☐ Task Flow ☐ Content moderation ☒ Remaster

Template * [Select template](#)

Template name/ID	Enhancement details	Creation Time	Upd
RebuildMedia-Video-Audio-Enhance 10	Smart frame interpolation, Super resolution, Image noise removal, Image restoration, Color enhancement, Detail enhancement, Face enhancement, Low-light enhancement, Banding removal, Artifact removal, Audio noise removal	2023-04-04 10:53:52	2023

[Confirm](#) [Cancel](#)

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").

VOD

- Service Overview
- Media Assets
- Task Management**
- System Settings
- Media Processing
- Distribution and Playback
- Upload Storage

Task center

SubAppId:

The Task Management page only displays the details of executed tasks and only supports querying the task processing status and

File ID Search tasks by file ID

Task ID	File ID	Task Type	Task Status
	-	Remaster	Completed

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

File ID ▾

Search tasks by file ID

Q

Task ID	File ID	Task Type	Task Status ▾	Creation Time ⬆
<div><div></div><div>...</div><div></div></div>	-	Remaster	<div>✔</div> Completed	2023-04-19 16:57:20

FileId	File Name	Task Type
2	rebuildMediaGenFile	Remaster

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.

VOD

Service Overview

Media Assets

• Video / Audio Management

• Image Management

• Cold Storage

• Smart bitrate reduction

☒ Task Management

Audio/Video Management

Uploaded

Uploading

Package Management

Viewing Deduction Details

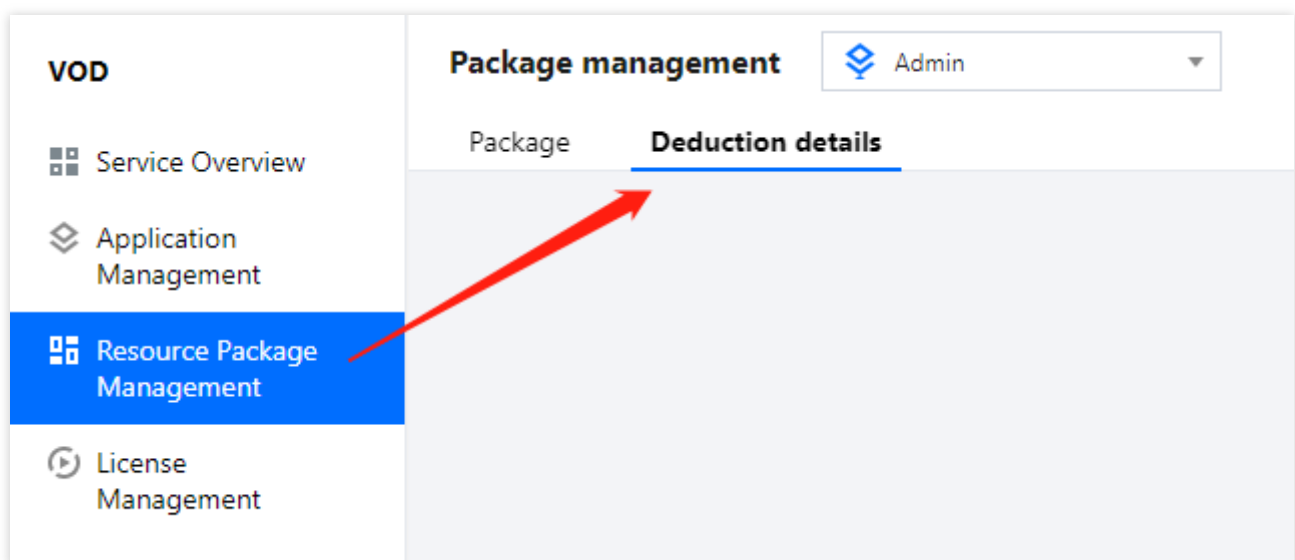
Last updated : 2023-05-15 17:28:47

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](#).

Storage	Traffic	General transcoding	TSC transcoding	Moderation
Yesterday	Last 7 days	Last 30 days	2023-04-18 ~ 2023-04-18	
Package ID	Specs	Region	Deduction type	Deduction ratio (compared to Chi
No data yet				

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](#).

Storage	Traffic	General transcoding	TSC transcoding	Moderation
Yesterday	Last 7 days	Last 30 days	2023-04-18 ~ 2023-04-18	
Package ID	Specs	Region	Deduction ratio (compared to Chinese m...	A
No data yet				

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](#).

Storage	Traffic	General transcoding	TSC transcoding	Moderation
Yesterday	Last 7 days	Last 30 days	2023-04-18 ~ 2023-04-18	
Package ID	Specs	Deduction type	Deduction ratio (compared to general H....	Ac
No data yet				

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](#).

Storage	Traffic	General transcoding	TSC transcoding	Moderation
Yesterday	Last 7 days	Last 30 days	2023-04-18 ~ 2023-04-18	
Package ID	Specs	Deduction type	Deduction ratio (compared to TSC H.264 ...	Ac
No data yet				

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](#).

Storage	Traffic	General transcoding	TSC transcoding	Moderation
Yesterday	Last 7 days	Last 30 days	2023-04-18 ~ 2023-04-18	
Package ID	Specs	Deduction type	Actual usage (min)	
No data yet				

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.

Packages

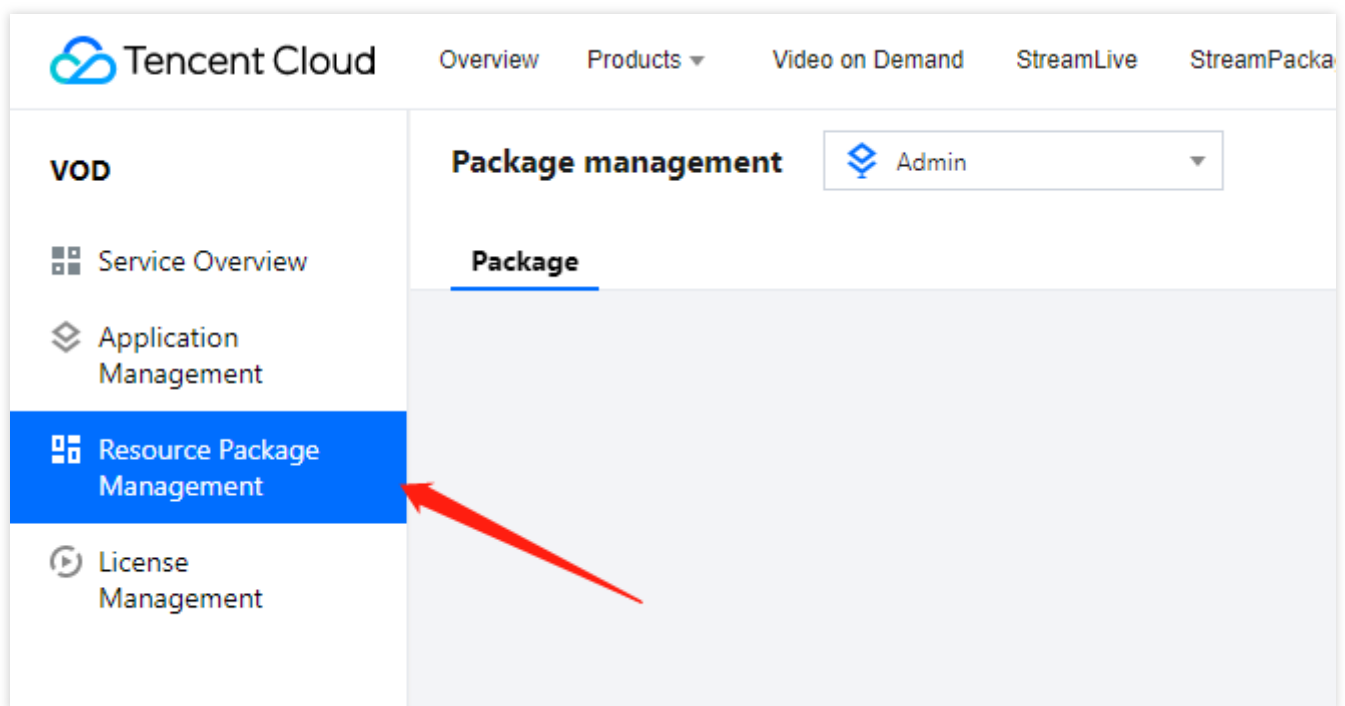
Last updated : 2023-04-20 12:10:58

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](#).

• The data on this page is not updated in real time. The update cycle for packages is the same as your billing cycle. For details, see [Notes](#).

• 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.

• To avoid incurring [pay-as-you-go](#) fees as a result of insufficient package resources, make sure you buy new packages in a timely manner.

Total storage space	Traffic package balance	General transcoding balance	TSC transcoding balance
0	10 TB	0	0

Buy package

Storage package	General transcoding	Traffic package	TSC transcoding	Moderation	Starter package
Type	Usage ⓘ			Claim/Purchase time ⚡	Expiry
No data yet					
Total items: 0					

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**.

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.

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**.

License setting ✕

App Name

Up to 128 bytes comprised of letters, numbers, spaces, underscores (`_`), hyphens (`-`), and dots (`.`) are supported

Package Name

Up to 128 bytes comprised of letters, numbers, dots (`.`), hyphens (`-`), underscores (`_`), and colons (`:`) are supported

Bundle ID

Up to 128 bytes comprised of letters, numbers, dots (`.`), hyphens (`-`), underscores (`_`), and colons (`:`) are supported

Confirm

Cancel

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.

Note :
It is recommended that you use Tencent Cloud UGSV SDK together with Tencent Cloud VOD service. [UGSV SDK Integration Guide](#)

Trial License Edit Download License

test123

App Name

test123

Package Name

Bundle ID

Key

LicenseUrl

Start Date

2023-01-01

End Date

2023-12-31

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);
```

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.

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.

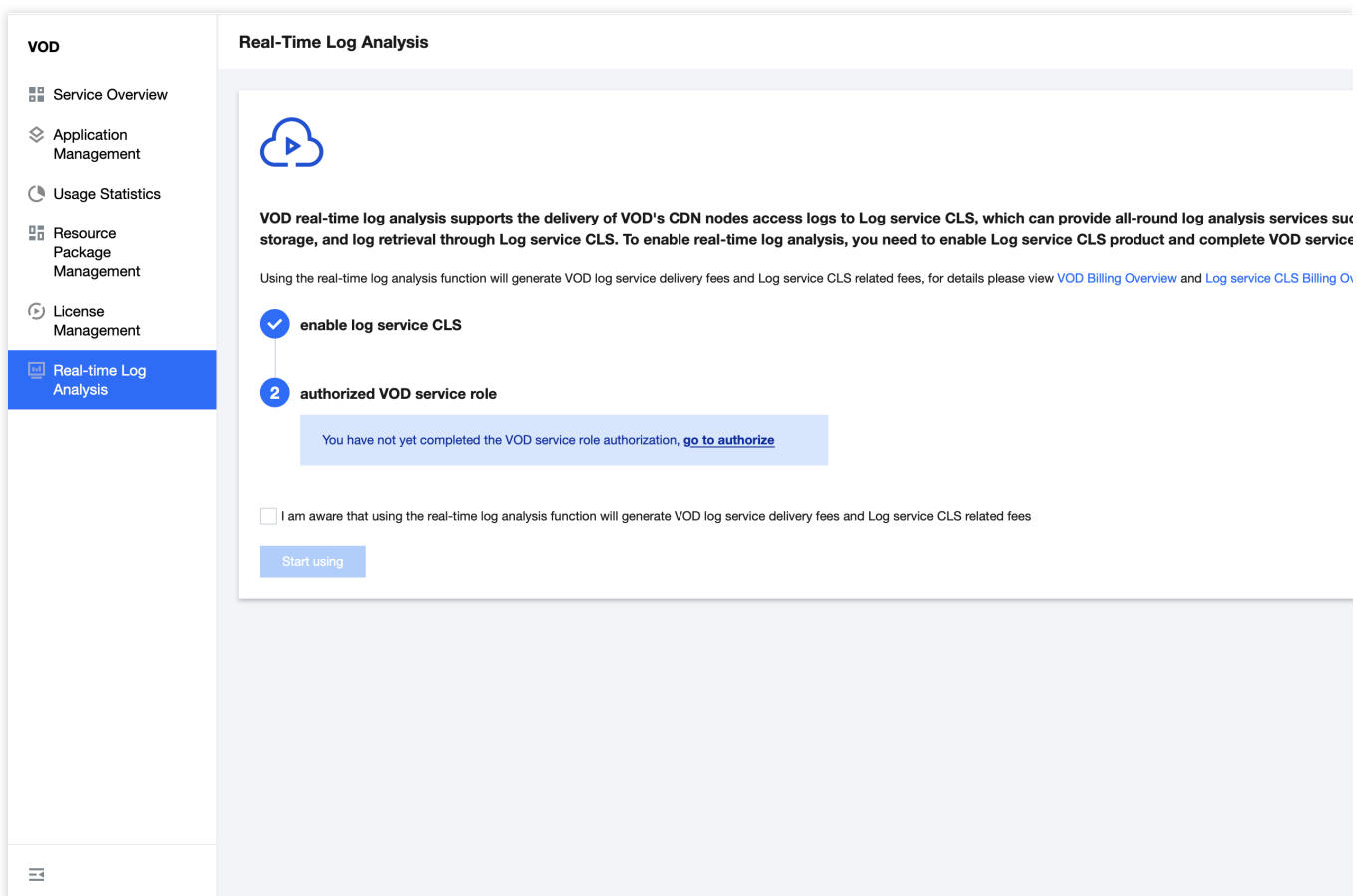
Real-Time Log Analysis

Last updated : 2024-01-19 16:09:57

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.

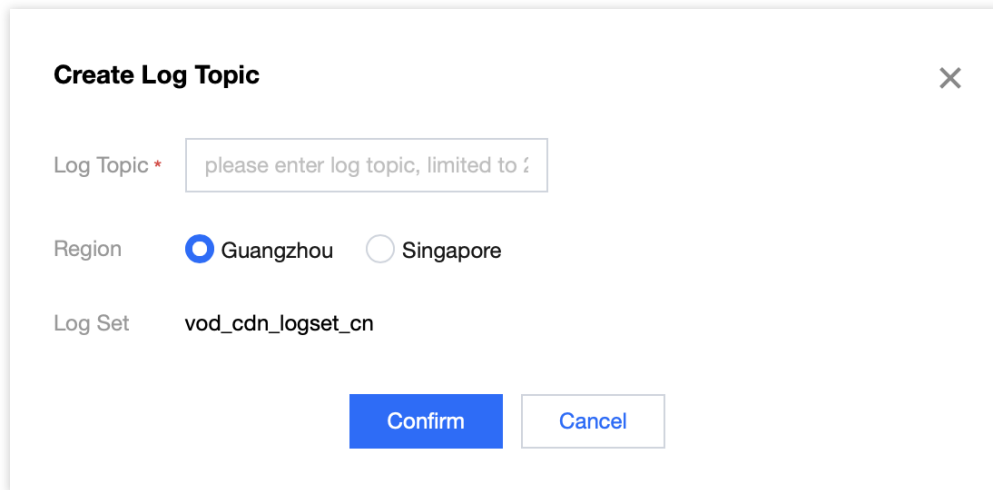
Step 1: Activate the VOD Real-Time Log Analysis function

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.



Create Log Topic ×

Log Topic *

Region ☒ Guangzhou ☐ Singapore

Log Set vod_cdn_logset_cn

[Confirm](#) [Cancel](#)

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.

VOD

Service Overview

Application Management

Usage Statistics

Resource Package Management

License Management

Real-time Log Analysis

Real-Time Log Analysis

- When you enable the VOD real-time log analysis function, VOD has created a log set (one for each Guangzhou and Singapore region) in the [Log service CLS](#) product for carrying VOD's CDN r topics under the log set to deliver the access logs of VOD's CDN nodes domain names to Log service CLS, and then you can implement all-round log analysis services such as log collection, l through Log service CLS.
- VOD's CDN nodes domain name Chinese mainland access log only supports delivery to Guangzhou region, and overseas access log only supports delivery to Singapore region.
- Using the real-time log analysis function will generate VOD log service delivery fees and Log service CLS related fees, for details please view [VOD Billing Overview](#) and [Log service CLS Billi](#)

Bind Log Topic

log management

Primary application ▾

<input checked="" type="checkbox"/> Domain Name	Acceleration Region	log status	Operation
<input checked="" type="checkbox"/> 1301446065.vod2.myqcloud.com	Global Acceleration	Unbound	Bind Log Topic
<input checked="" type="checkbox"/> vod-test.com	overseas acceleration	Unbound	Bind Log Topic
<input checked="" type="checkbox"/> renxinhu2.elementtest.org	overseas acceleration	Unbound	Bind Log Topic
<input checked="" type="checkbox"/> vodeva.evatest.com	overseas acceleration	Unbound	Bind Log Topic
<input checked="" type="checkbox"/> vodevama.elementtest.org	overseas acceleration	Unbound	Bind Log Topic
<input checked="" type="checkbox"/> vodevamaoversea.elementtest.org	overseas acceleration	Unbound	Bind Log Topic
<input checked="" type="checkbox"/> vodevama1.elementtest.org	overseas acceleration	Unbound	Bind Log Topic

Total items: 7

10 ▾ / page

⏮ ⏪ ⏩ ⏭

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

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.