

# Video on Demand Professional Edition Product Documentation





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# Professional Edition Introduction to Video On Demand Professional Edition

Last updated : 2025-02-13 15:56:30

### What Is Video On Demand Professional?

Video on Demand Professional (VOD Pro) is a high-quality media service based on Tencent Cloud's audio and video capacity. Building on the standard version, it supports content management in object storage mode and uses EdgeOne for content distribution, providing a better user experience for live streaming, education, ecommerce, finance, and gaming industries.

#### **Product Features**

VOD Pro will gradually include all features of the standard version, and additionally add object storage management mode and content distribution using EdgeOne. For the features already available in the VOD Professional Version, please refer to the table below:

Classify	Function	Description		
File upload Storage Management	Multi-end upload	Provides various methods for uploading, including upload from client (on mobile terminal and web), upload from server (Multi-language SDKs are offered), and upload through console.		
	Nearby upload	Perceives the location of the uploader and assigns the nearest storage center for upload, reducing transmission distance and improving upload speed. It also enhances stability and ensures success rate.		
	Client upload acceleration	Leverages Tencent Cloud's globally deployed acceleration network to intelligently select the optimal access point and link, significantly increasing upload speed and success rate. It can also reduce network congestion, lower delay, and improve upload quality under weak network conditions.		
	Storage Policy	Allows you to set smart cold storage policies based on conditions such as file modification time and file prefix. In this way, files can be automatically transitioned into a colder storage class according to the policies, which reduces the storage costs.		
	Multi-type	Supports STANDARD, STANDARD_IA, ARCHIVE, and DEEP ARCHIVE		



	Storage	storage. You can choose the appropriate storage method based on different storage and usage scenarios of the files.
	Directory Management	Support creating file directories, you can manage file content using directory management.
	File Management	Support upload, download, delete, search, and share files.
Distribution and Playback	Accelerated delivery and playback	Use EdgeOne for content delivery, leveraging Tencent Cloud's global acceleration nodes to provide dynamic and static data acceleration, cross-border acceleration, and intelligent routing optimization.
	Hotlink protection	Use EdgeOne access control to provide Hotlink protection. By configuring authentication rules for URL Access Validation, it effectively prevents malicious resource theft.
Toolkit	Migration Tools	Supports easy migration of Third-party Data Sources to Tencent Cloud VOD Pro.

#### Strengths

#### **EdgeOne Acceleration**

No origin-pull traffic fee: Deep integration with EdgeOne allows origin-pull to Tencent Cloud VOD Pro through EdgeOne without paying origin-pull traffic fees, significantly reducing content acceleration costs. Multi-layer anti-fraud protection: Use EdgeOne to provide users with anti-fraud services through Bot Protection, traffic capping, Fraud Intelligence Database, and other anti-fraud capabilities to comprehensively protect your traffic security.

#### **Media Upload**

Proximity Upload: Supports creating multiple buckets within the application. After enabling Proximity Upload, it can perceive the uploader's location and automatically assign the nearest bucket for upload, significantly improving upload speed and stability.

Upload Acceleration: Achieves an industry-leading upload success rate of over 99.5% (taking into account poor network conditions and large file uploads) through various upload acceleration measures, including scheduling optimization, global multi-storage region coverage optimization, link supplement, transmission optimization, and protocol optimization.

#### Media Storage

Secure and stable: Supports redundant storage of media files across architectures and devices, providing remote disaster recovery and User Resource Isolation, with data reliability up to 99.999999999%.

Easy to use: Provides a simple and easy-to-use console, compatible with the S3 object storage protocol, supports migration tools from multiple cloud service providers, greatly reducing storage migration and access costs.

### Applicable Scenario

Scenario	Description
Online education	In the online education scenario, there are usually a large number of audio and video teaching resources, most of which are recorded and uploaded by teachers on the platform. VOD Pro provides online education customers with capabilities such as upload acceleration, Multi-end Playback, copyright protection, pseudo live streaming, and content review, helping customers build a more stable and secure online education platform.
Ecommerce Application	To better showcase products, ecommerce platforms usually create promotional product images and videos. Consumers also upload videos and images of their product experiences for sharing or post product comments for other consumers to refer to. VOD Pro provides ecommerce customers with capabilities such as UGC accelerated upload, High Quality with Low Bit Rate, multi-resolution intelligent switching, and massive storage, helping ecommerce customers quickly build a stable and usable ecommerce platform.
UGSV	In the UGSV scenario, VOD Pro offers powerful upload, storage, and distribution capabilities. It can be used in conjunction with high-quality products such as Tencent Cloud UGSV SDK and Tencent Cloud Player, helping customers focus on their business and quickly implement high-quality UGSV applications.
Online storage album	VOD Pro offers large-scale storage capacity, supporting various file formats such as images, audio, video, and compressed files. It also supports multiple data encryption and security disaster recovery capabilities, providing cost-effective data storage services for online storage album customers.
Audio and Video Live Streaming	In the audio and video live streaming scenario, live content can be recorded and stored in real-time to VOD Pro. It also provides various live streaming capabilities such as Time-shift Review, Live Editing, pseudo live streaming, screenshot cover, and intelligent cooling, helping customers build a better user experience for audio and video live streaming platforms.

# Quick Start

Last updated : 2025-02-13 17:25:08

This article will guide you on how to upload local files to Video on Demand (VOD) Pro and obtain the video playback address, helping you quickly understand how to use the VOD Pro service.

### Preparations

1. An available EdgeOne acceleration site is already in place. For EdgeOne acceleration site configuration, see Quick Start.

2. There are local files available for upload, or you can choose to download the VOD Pro sample file Tencent Cloud.mp4.

#### Step 1. Activate VOD

1. Register for a Tencent Cloud account, and complete real-name verification.

2. Go to the VOD console and click Activate Service.

#### Note:

If the VOD service has already been activated, skip this step.

#### Step 2. Create a Professional Version Application

Log in to the VOD console, click **Application Management** on the left sidebar to enter the application list page.
 Click the Note button next to the application type, and in the pop-up information prompt, click **Activate Professional Version Now**.

<ul> <li>After a subapplication is disabled, all its data and config</li> <li>After the subapplication is terminated, its data and configuration</li> </ul>	gurations will be retained. It can no longer be accessed figurations will be cleared and cannot be recovered.	l, but will incur c	osts. F
Create application Edit tags Disable	Terminate Enable Cost allocat	ion by tag	
Application Name/ Sub Subapplication Desc	ript Application Type	ie ‡	Upd
主应用 Default Application	Application Type Description Professional Edition Includes all features of the Standard Edition,	01	202!
test 🖉 -	supports content management in object storage mode, and uses EdgeOne for content distribution Activate Professional Version Now	53	202(
test 🖉 tets	Standard Edition Provides one-stop media services, including upload, storage, transcoding, distribution, and	30	202:
test1 🧷 -	copyright protection Learn more about application type differences	52	202(

3. Click **Create Application**, in the Create Application pop-up, enter the application name, select the application type as **Professional Version**, and click **Confirm** to complete the creation of the Professional Version application.

ication Type *       Standard Edition         Provides one-stop media services, including upload, storage, transcoding, distribut and copyright protection            ✓ User-friendly         ✓ File ID Management         ✓ CDN Distribution Acceleration            Professional Edition         Includes all features of the Standard Edition, supports content management in objestorage mode, and uses EdgeOne for content distribution            ✓ High Flexibility         ✓ Object Storage Hosting         ✓ EdgeOne Distribution Acceleration            Learn more about the differences in application types		
Provides one-stop media services, including upload, storage, transcoding, distribut and copyright protection User-friendly V File ID Management V CDN Distribution Acceleration Professional Edition Includes all features of the Standard Edition, supports content management in object storage mode, and uses EdgeOne for content distribution V High Flexibility V Object Storage Hosting V EdgeOne Distribution Acceleration Learn more about the differences in application types description	cation Type *	Standard Edition
<ul> <li>✓ User-friendly ✓ File ID Management ✓ CDN Distribution Acceleration</li> <li>Professional Edition</li> <li>Includes all features of the Standard Edition, supports content management in object storage mode, and uses EdgeOne for content distribution</li> <li>✓ High Flexibility ✓ Object Storage Hosting ✓ EdgeOne Distribution Acceler</li> <li>Learn more about the differences in application types</li> </ul>		Provides one-stop media services, including upload, storage, transcoding, distribution, and copyright protection
Professional Edition         Includes all features of the Standard Edition, supports content management in object storage mode, and uses EdgeOne for content distribution         ✓ High Flexibility       ✓ Object Storage Hosting       ✓ EdgeOne Distribution Accele         Learn more about the differences in application types		✓ User-friendly ✓ File ID Management ✓ CDN Distribution Acceleration
escription		Learn more about the differences in application types
	escription	

#### Step 3. Upload Files

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

2. Find the Professional Version application you created in Step 1, click the application name to enter the application, and you will be directed to the storage page by default.

3. On the storage page, click the **default** bucket name to enter the bucket.

4. Click **Upload File**, select the local target file or the "Tencent Cloud.mp4" video downloaded during preparation, and you can upload the file to the Professional Version application.



<ul> <li>Return to Application Lis</li> <li>SubAppid:</li> </ul>	Professional Edition     Figure Associated Site: Site Not Associated Yet: Associate Site   Default Acce	leration Domain Name: Please associate the site first. 🤌 Modify the Default Acceleration Domain Name	CNAME Address: Please associate the site first.		
Storage	- default Bucket ID:				Document Guide V
C Usage statistics	default Ø				
	Upload File Create Folder Batch Delete				nter prefix to search
	Name		Size	Update time	Operation
		No data yet			
	Total items: 0				10 🗸 / page 🛛 H

### Step 4: Setting the Default Acceleration Domain Name

Log in to the VOD console, click Application Management on the left sidebar to enter the application list page.
 Find the Professional Version application you created in Step 1, click the application name to enter the application, and then click Associate Site.

<ul> <li>Return to Application List</li> <li>SubAppid:</li> </ul>	Professional Edition 🔻	e associate the site first. 🗗
Storage	← default Bucket ID	
	default Ø	
	Upload File Create Folder Batch Delete	
	Name	Size
	No data yet	
	Total items: 0	

3. In the Associate Site popup, select the EdgeOne site configured in your preparation, fill in the acceleration domain name, and click **Next Step**.

The acceleration service is provide Billing.	d by EdgeOne. Using EdgeOne will generate corresponding traffic. For details, please refer to EdgeOne
<ul> <li>When going to EdgeOne to add a domain name will not take effect.</li> </ul>	domain name, do not modify the domain name configuration. Otherwise, the default acceleration
Domain Name Basic Config	guration > 2 Go to EdgeOne to Complete Domain Name Addition
Domain Name Basic Config	guration > 2 Go to EdgeOne to Complete Domain Name Addition

4. In Step 2 of the Set Default Acceleration Domain Name popup, click **Go to Add** to open the EdgeOne console.

Configuration Default Acceleration Domain Name	
• The acceleration service is provided by EdgeOne. Using EdgeOne will generate corresponding traffic. For details, please refer to Billing.	EdgeOne
<ul> <li>When going to EdgeOne to add a domain name, do not modify the domain name configuration. Otherwise, the default acceler domain name will not take effect.</li> </ul>	ration
Domain Name Basic Configuration > 2 Go to EdgeOne to Complete Domain Name Addit	tion
ease click Go to Add to go to EdgeOne to complete the subsequent domain name addition. After the addition is completed, click R	lefresh.
The domain name has not been added yet.	
Go to Add	

5. In the EdgeOne console, after entering the target site, select **Domain Service** > **Domain Management**, click **Add Domain**, fill in the domain name used in VOD Professional Edition in the acceleration domain name field, select "VOD" as the origin server type, and choose the Professional Version application created in Step 1 as the application name.

dd domain nam Domain	> (2) Recommended	>	3 Ownership	> (4) Configure CNAME
configuratio	on configuration(Option	nal)	verification	-
Domain name		.mar.com		Domain Configuration
Drigin type	Object storage origin	Origin Group	O VOD	Ø
Application name	Please select an application	Ŧ		Connect the domain name mar.com
Pv6 access	• Follow site configuration: Disable Enable	Disable		www Connect the subdomain www.mar.com
				test Connect the subdomain name
				test.mar.com
				* Connect the wildcard domain name
				*.mar.com

6. After adding the domain name in EdgeOne, if it is CNAME access mode or DNSPod hosted access, EdgeOne will assign a CNAME address to the domain name after creation. You need to configure the CNAME for the domain name to enable Secure Content Delivery Network (SCDN). For configuration details, see Modifying CNAME Records. If it is NS access, this step is not required.

7. After adding the domain name in EdgeOne, you need to further enable HTTPS. For configuration details, see Quickly Enable HTTPS Access with EdgeOne Free Certificate.

8. After adding the domain name in EdgeOne, return to the VOD console page. In the Set Default Acceleration Domain Name popup, click **Refresh** to verify if the domain name has been added. If it has been added, click **Complete** to finish the step of adding the default acceleration domain name. If the page remains unchanged after refreshing, check if the domain name added in EdgeOne matches the one added in VOD.

**Tencent** Cloud

Configuration Default Acceleration Domain Name	×
• The acceleration service is provided by EdgeOne. Using EdgeOne will generate corresponding traffic. For details, please refer to EdgeOne Billing.	
<ul> <li>When going to EdgeOne to add a domain name, do not modify the domain name configuration. Otherwise, the default acceleration domain name will not take effect.</li> </ul>	
Oomain Name Basic Configuration > 2 Go to EdgeOne to Complete Domain Name Addition	
Please click Go to Add to go to EdgeOne to complete the subsequent domain name addition. After the addition is completed, click Refresh.	
The domain name has not been added yet.	
Go to Add	
Complete Cancel	

### Step 5. Get the File Playback URL

1. Click **Copy URL** after the target file or the Tencent Cloud.mp4 video uploaded in the previous step.

← defaul†			Document Guide View Historical
default ຍ			
Upload File Create Folder Batch Delete			Enter prefix to search
Name	Size	Update time	Operation
E test1	-		View Folder
	172.20MB	2024-08-28 16:01:29	Download Delete Copy URL
	451.51MB	2024-08-28 16:01:30	Download Delete Copy URL
	50.30MB	2024-08-28 16:01:31	Download Delete Copy URL
	168.00MB	2024-08-28 16:01:39	Download Delete Copy URL
	203.20MB	2024-08-28 16:01:51	Download Delete Copy URL
	155.12MB	2024-08-28 16:02:02	Download Delete Copy URL

2. Paste the copied URL into the address bar on a web browser and press Enter to play the video.

# Console Guide Storage Management Creating a Bucket

Last updated : 2025-02-13 15:57:00

VOD Pro supports creating multiple regional buckets to achieve video content upload and distribution acceleration. This article will introduce how to create a bucket.

#### Applicable Scenario

If your users are widely distributed across multiple regions, it is recommended to create multiple regional buckets for better upload experience and video playback, enabling nearby upload and source retrieval.

#### Prerequisites

Activate the VOD service. For details, see Purchase Guide.

VOD Pro application has been created. The Pro application is currently available to select customers only. If you need to create a Pro application, please contact sales.

### **Operation Steps**

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

2. Locate the Pro application for which a bucket is to be created, and click the application name to go to the application management page.

3. Select Storage from the left sidebar, and click Create Storage.



Storage	Storage				Do	ocument Guide	View Historica
	Create Storage	Key Management					
	Storage Name	Bucket ID	Intranet Access Domain N	Region	Creation Time	Operatio	n
					2025-01-17 11:41:39	View File	

4. In the Create Bucket pop-up, enter the bucket name and region information, and click **Create** to complete the bucket creation.

Create Storage	×
Storage Name *	Within 40 characters, only lowercase English letters, numbers, and '-' are supported.
	0 / 40
Storage region *	Only one bucket can be created for each storage region 🔹
	Only one bucket can be created for each storage region
	Create Cancel

# **Storage Policy**

Last updated : 2025-03-18 11:52:22

This document will guide you to create a storage policy, which can periodically convert the storage type of files or delete files to reduce storage costs.

### Applicable Scenario

If you need to periodically convert files to STANDARD\_IA, ARCHIVE, or DEEP\_ARCHIVE storage classes, or directly delete files based on the file's modification time or prefix, you can create an appropriate storage policy to automatically execute the corresponding operations, thereby reducing storage costs.

#### Prerequisites

Activate the VOD service. For details, see Purchase Guide.

VOD Pro application has been created. The Pro application is currently available to select customers only. If you need to create a Pro application, please contact sales.

#### Create a Storage Policy

Log in to the VOD console, click Application Management on the left sidebar to enter the application list page.
 Find the Pro edition application that needs to configure a storage policy, click the application name to enter the application storage page. Click Storage Policy to enter the storage policy page.

Storage	Storage					Document Guide Vie
C Usage Statistics	Create Storage Policy Key Management				Please enter the storage name	
	Storage Name	Bucket ID	Public network access domain	Intranet Access Domain Name	Region	Creation Time
		10110-0010	n Ø	.eovod.com 🖉	Chongqing, China	2025-02-12 20:33:02
	default		٥	Bovod.com D	Singapore, Singapore	2025-01-17 11:41:39

3. Click **Create Storage Policy** to enter the new policy creation page.



G Storage	← Storage	Policy					Document Guide	View Historic
🕚 Usage Statistics				TIFST.				
	What is a storag • Supports real archiving, deep Create storage p	<b>je policy?</b> time filtering of files i o - archiving, and delet olicy	n storage through dimension: ing files. Note: A maximum o'	s such as prefix and modi f 10 storage policies can l	fication time, and auto be created in the appli	omatically performs c	operations such as converting to l d policies will take effect at 0:00 a	ow - frequency, m the next day
	Policy name	Policy ID	Scope of effect	Trigger Condition	Execute action	Status	Update Time	Operation
				No d	lata yet			

4. On the Create Storage Policy Configuration page, you can configure an appropriate policy based on your business needs:

🔓 Storage	Create storage policy		Document Guide View Histor
🕐 Usage Statistics			
	Storage policy name * default policy name.	How to choose the targ	jet storage type?
	Max 20 characters; allows letters, digits, spaces and	Standard storage:	Suitable for business scenarios with a large number of hot files for real - time access frequent data interactions etc
	. When the effective scope is set to all buckets, the storage policy will also apply to subsequently added buckets.	Low - frequency storage:	Suitable for business scenarios with
	Trigger Condition •	relatively low ac average of 1 - 2 must be stored user deletes or	
	Last modification time <b>– 30 +</b> days later		in advance, the charging will still be calculated based on 30 days
	File prefix (D	Archive storage:	Suitable for business scenarios with extremely low access frequencies (e.g., accessed once every six months). It must be stored for at least 90 days. If the user
	Execute action * Files in storage that meet the trigger conditions will be Convert to low - frequency st >		deletes or changes the storage type in advance, the charging will still be calculated based on 90 days.
	Policy status Trigger immediately after saving	Deep archive storage:	Suitable for business scenarios with extremely low access frequencies (e.g., accessed 1 - 2 times a year). It must be stored for at least 180 days. If the user
	Confirm Cancel		deletes or changes the storage type in advance, the charging will still be calculated based on 180 days.
		Description:	Archive storage and deep archive storage do not support direct access. You need to perform a retrieval operation first. For details, please check Storage Policy

Storage Policy Name: The length of the storage policy name shall not exceed 20 characters, and only Chinese characters, English letters, digits, spaces, \_, -, and . are supported in seven formats.

Effective Scope: By default, it applies to all buckets. You can specify a bucket to take effect through the dropdown. If you choose to apply to all buckets, the storage policy will also take effect on newly added buckets.

Trigger Condition: Provides two trigger conditions of modification time and file prefix, where the modification time can be selected for up to 3650 days at most, and up to 20 file prefixes can be added.

Execute Action: The default is to switch to infrequent access storage. You can select to switch to archive storage, switch to deep archive storage, or delete a file through the dropdown.

5. After the policy details are configured, click **Confirm** to complete the creation of the storage policy. The storage policy will officially take effect at 0 o'clock the next morning.



#### Note:

The effective time is at 0 o'clock in the morning of the next day after the policy is enabled (i.e., the policy status is "enabled").

# Modifying Storage Type

Last updated : 2025-03-18 11:53:14

This article will introduce how to modify the storage type of files in the Professional Version.

#### Prerequisites

Activate the VOD service. For details, see Purchase Guide.

VOD Pro application has been created. The Pro application is currently available to select customers only. If you need to create a Pro application, please contact sales. The file has been uploaded. For details, see Upload File.

#### **Operation Steps**

Log in to the VOD console, click Application Management on the left sidebar to enter the application list page.
 Select the Professional Edition application you need to operate, enter the target bucket, and find the file whose storage type needs to be modified.

3. You can modify the Cloud File Storage type according to your needs:

Cooldown for files: If you need to change the file from STANDARD or STANDARD\_IA storage to ARCHIVE or DEEP\_ARCHIVE storage classes, you can click **More** > **Change storage class** in turn, select the target storage type in the modification pop-up, and click **Confirm** to complete the operation.

Storage	← default BostertD-					
	default @					
	Upboad File Create Folder Batch Delete				Enter prefix to search	
	Name	Size	Update time	Storage Type	Operation	
	10000.00.100	14.51KB	2025-02-12 20:21:50	STANDARD	Download Delete Copy URL More 💙	
	- 1998 A	11.53KB	2025-02-12 20:38:14	STANDARD	Change storage class Download Delete Copy URL More *	



Temporary retrieval of files: If you need to temporarily retrieve ARCHIVE or DEEP\_ARCHIVE storage, you can click **Retrieve to Standard Storage**, and select the valid period and mode of retrieval in the retrieval pop-up.

G Storage	~	← default Bucket ID					
🕚 Usage Statistics							
		default 🛛 🖗					
		Upload File Create Folder Batch Delete			Enter prefix to sea		
		Name	Size	Update time	Storage Type	Operation	
					ARCHIVE	Download Delete Retrieve to standard stor	

Retrieve to stand	lard storage	×
<ul> <li>Fast retrieval is please check the</li> </ul>	not supported for deep - archived storage files. For details, he <b>Retrieval mode</b>	
Retrieval mode *	Fast retrieval mode	
	Retrieval time for archive storage: The original file can be played/downloaded after 5 hours Retrieval time for deep archive storage: The original file can be played/downloaded after 24 hours	
Replica Validity(i) *	d	
	Please enter any number of days between 1 and 365	
	Confirm Cancel	

Permanent retrieval of files: If you need to permanently retrieve files from ARCHIVE or DEEP\_ARCHIVE storage, you need to first **retrieve to standard storage**, and then click **More** > **Change storage class** in sequence, select STANDARD or STANDARD\_IA storage, and then the files from ARCHIVE or DEEP\_ARCHIVE storage can be permanently retrieved to STANDARD or STANDARD\_IA storage.

### Capacity To Retrieve Data

You can directly change the files of ARCHIVE or DEEP\_ARCHIVE storage type to STANDARD storage through the data retrieval capability. There are multiple modes for changing the storage type and retrieval operation of ARCHIVE or DEEP\_ARCHIVE storage files. The final effect of different modes is the same, and the difference lies in speed and fees (i.e. retrieval fees. For details on fees, see Pay-as-you-go - Data Retrieval).

Unfreeze Mode	Duration Of Archive Storage Retrieval	Duration Of Deep Archive Storage Retrieval
Expedited Mode	5 minutes	Not supported.
Standard Mode	5 hours	24 hours
Bulk Mode	12 hours	48 hours

Note:

As the time point when a media asset is marked as unretrieved will be after the actual retrieval time point, the available duration of the retrieved copy of the media asset will be shorter than the expected period. To ensure that the copy has a sufficient available duration, we recommend you add one more day to the validity period when retrieving a media asset from DEEP\_ARCHIVE.

# File Management Uploading Files

Last updated : 2025-02-13 15:57:16

This article will guide you to upload files to the Professional Version application through the console.

#### Preparations

VOD has been activated, and the Professional Version application has been created. For creating a Professional Version application, please refer to Quick Start.

#### Notes:

The console can upload files up to 512 GB.

#### **Operation Steps**

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

2. Find the application that needs to upload files and click its name to enter the application storage page.

3. On the application storage page, select the bucket where you want to upload files and click the bucket name to enter the file list page.

4. On the bucket's file list page, click **Upload File**.

Storage Usage Statistics	← default Bucket ID:9	Document Guide View Historica		
	default 🖉			
	Upload File Create Folder	Batch Delete		Enter prefix to :
	Name	Size	Update time	Operation

5. In the pop-up window, select one or more local files to start the upload.

6. You can view the upload progress of files and the list of successfully uploaded files in the **View Historical Tasks** at the top-right corner of the file list.

🔓 Storage	← default Bucket ID:	G Task in progress(Remaining 3 items/Total 3		
Usage Statistics			Historical Tasks	Clear Completed T
	default D Upload File Create Folder Name	Ratch Delete		Pause Cancel 9seconds)
		Size	U	Pause Cancel ?6seconds)
	Total items: 1		20	Pause Cancel

# **Downloading Files**

Last updated : 2025-02-13 15:57:28

This article will guide you on how to download files from the Professional Version through the console.

### Preparations

The VOD service has been activated, and a Professional Version application has been created. For instructions on creating a Professional Version application, please refer to Quick Start.

Files have been uploaded. For file upload, please refer to Uploading Files.

The default acceleration domain name has been configured. For configuring the default acceleration domain name, please refer to Quick Start.

#### **Operation Steps**

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

2. Find the application with the file you need to download, click the application name to enter the application storage page.

3. On the application storage page, select the bucket containing the file you need to download, click the bucket name to enter its file list page.

4. On the bucket's file list page, find the file you need to download and click **Download** in the actions.

A B			Document Guide View Historic
■m =; ₽			
Upload File Create Folder Batch Delete			Enter prefix to search
Name	Size	Update time	Operation
	-	-	View Folder
	172.20MB	2024-08-28 16:01:29	Download Pelete Copy URL
	451.51MB	2024-08-28 16:01:30	Download Delete Copy URL
	50.30MB	2024-08-28 16:01:31	Download Delete Copy URL
	168.00MB	2024-08-28 16:01:39	Download Delete Copy URL
	203.20MB	2024-08-28 16:01:51	Download Delete Copy URL

# **Deleting Files**

Last updated : 2025-02-13 15:57:37

This article will guide you on how to delete files in the Professional Version through the console.

### Preparations

The VOD service has been activated, and a Professional Version application has been created. For instructions on creating a Professional Version application, please refer to Quick Start. Files have been uploaded. For file upload, please refer to Uploading Files.

### **Operation Steps**

#### **Deleting a Single File**

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

2. Locate the application for which you want to delete a file, and click its name to enter the application storage page.

3. On the application storage page, select the bucket containing the file you want to delete, and click its name to enter the bucket file list page.

4. On the bucket file list page, find the file you want to delete and click **Delete** under Actions.



5. In the Confirmation Popup, click **Confirm** to delete the file.

#### Notes:

The file will be permanently deleted from Tencent Cloud, cannot be restored, and cannot be accessed through CDN nodes.

#### **Batch Deleting Files**

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

2. Locate the application for which you want to delete a file, and click its name to enter the application storage page.

3. On the application storage page, select the bucket containing the file you want to delete, and click its name to enter the bucket file list page.

4. On the bucket file list page, check the files you want to delete, and click **Batch Delete** at the top of the file list.

G Storage	← default Bucket ID:	Document Guide View Histori		
🕚 Usage Statistics	default 🖗			
	Upload File Create Folder Bat	ch Delete		Enter prefix to s
	Name	Size	Update time	Operation
	Total items: 3			10 ∨ / page 📕 🖣 🕨

5. In the Confirmation Popup, click **Confirm** to delete the files in batch.

#### Notes:

The file will be permanently deleted from Tencent Cloud, cannot be restored, and cannot be accessed through CDN nodes.

# **Searching Files**

Last updated : 2025-02-13 15:57:54

This article will guide you on how to search for files in the Professional Version through the console.

### Preparations

The VOD service has been activated, and a Professional Version application has been created. For instructions on creating a Professional Version application, please refer to Quick Start. Files have been uploaded. For file upload, please refer to Uploading Files.

#### **Operation Steps**

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

2. Find the application where you need to search for files, click the application name to enter the application storage page.

3. On the application storage page, select the bucket where you need to search for files, click the bucket name to enter its file list page.

4. In the search box at the upper right of the bucket's file list page, enter the file prefix and press Enter to query the file list with the same prefix.

← default Bucket ID:			Document Guide	View Historic
default 🖉				
Upload File Create Folder Ba	atch Delete		book	8
Name	Size	Update time	Operation	
book	14.51KB	2025-02-12 20:21:50	Download Delet	te Copy URL
Total items: 1			<b>10 🗸</b> / page	
	<ul> <li>← default Bucket ID:</li> <li>default          <ul> <li>□</li> <li>□<td><ul> <li>← default Bucket ID:</li> <li>default</li></ul></td><td><ul> <li>← default Bucket ID:</li> <li>default</li></ul></td><td>← default Bucket ID:     default D     default D     Upload File     Create Folder     Batch Delete     book     Update time     Operation     book     14.51KB   2025-02-12 20:21:50   Download Delete     Total items: 1     10 v / page</td></li></ul></li></ul>	<ul> <li>← default Bucket ID:</li> <li>default</li></ul>	<ul> <li>← default Bucket ID:</li> <li>default</li></ul>	← default Bucket ID:     default D     default D     Upload File     Create Folder     Batch Delete     book     Update time     Operation     book     14.51KB   2025-02-12 20:21:50   Download Delete     Total items: 1     10 v / page

5. To cancel the search, you can clear the content in the search box and press Enter again to display all files.

# **Sharing Files**

Last updated : 2025-02-13 15:58:02

This article will guide you on how to share files in the Professional Version through the console.

### Preparations

The VOD service has been activated, and a Professional Version application has been created. For instructions on creating a Professional Version application, please refer to Quick Start.

Files have been uploaded. For file upload, please refer to Uploading Files.

The default acceleration domain name has been configured. For configuring the default acceleration domain name, please refer to Quick Start.

#### **Operation Steps**

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

2. Find the application where the file to share is located, click the application name to enter the application storage page.

3. On the application storage page, select the bucket where the file to share is located, click the bucket name to enter the file list page.

4. On the file list page of the bucket, find the file to share, click **Copy URL** in the actions to copy and share the file with other users.

← default			Document Guide View Historical
default @			
Upload File Create Folder Batch Delete			Enter prefix to search
Name	Size	Update time	Operation
E test1	-	-	View Folder
Jum**. Щ	172.20MB	2024-08-28 16:01:29	Download Delete Copy URL
	451.51MB	2024-08-28 16:01:30	Download Delete Copy URL
	50.30MB	2024-08-28 16:01:31	Download Delete Copy URL
	168.00MB	2024-08-28 16:01:39	Download Delete Copy URL
	203.20MB	2024-08-28 16:01:51	Download Delete Copy URL
	155.12MB	2024-08-28 16:02:02	Download Delete Copy URL

# **Creating Folder**

Last updated : 2025-02-13 15:58:12

This article will guide you on how to create a folder through the console to classify files in the Professional Version.

### Preparations

The VOD service has been activated, and a Professional Version application has been created. For instructions on creating a Professional Version application, please refer to Quick Start.

### **Operation Steps**

Log in to the VOD console, click Application Management on the left sidebar to enter the application list page.
 Locate the application for which a folder is to be created, and click the application name to go to the application storage page.

3. On the application storage page, select the bucket for which you want to create a folder, and click the bucket name to enter the file list page.

4. On the bucket's file list page, click Create Folder.

Storage Usage Statistics	← default Bucket ID:			Document Guide View Historici
	default 🖗			
	Upload File Create Folder	Batch Delete		Enter prefix to :
	Name	Size	Update time	Operation
	bo			

5. In the pop-up, enter the folder name and click Confirm to complete the folder creation.

Folder naming rules are as follows:

A combination of numbers, Chinese and English, and visible characters can be used, with a maximum length of 100 characters.

The folder name cannot be blank.

#### Note:

Folders cannot be renamed. Only one folder with the same name can exist in the same path.

# Key Management

Last updated : 2025-02-13 15:58:21

This article will guide you on how to create a Professional Version application key to access files in the bucket via the private network.

### Applicable Scenario

If your service is deployed on Tencent Cloud Virtual Machine (CVM), you can access files via the key and private network domain name. If the access is within the same region, private network access can be achieved, and both uploading and downloading files will generate private network traffic without incurring traffic fees.

#### **Operation Steps**

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

2. Go to the application that needs key management, click the application name to enter the management page.

3. Select **Storage** from the left sidebar, and click **Key Management**.

Storage	Storage					Document Guide View Historical
	Create Storage	Key Management				
	Storage Name	Bucket ID	Intranet Access Domain N	Region	Creation Time	Operation
						View File
						View File

4. On the Key Management page, click **Create Key**, confirm and save the key information to complete the key creation.

🔓 Storage	← Key Management		Document G	uide View Historica
🕚 Usage Statistics				
	Key Purpose Tencent Cloud VOD provides applic domain name. If accessing within th	ation-level permanent keys. If your service is deployed on Tencent Clo e same region, intranet access can be achieved, and both file upload	oud Virtual Machine (CVM), you can access files using the key and and download will generate intranet traffic without incurring traffi	ntranet access : fees.
	Create Key			
	AccessKeyld	Creation Time	Status	
		No data yet		

#### Note:

Up to 2 keys can be created for VOD Pro Edition applications.

To reduce the risk of key leakage, the AccessKey information is provided only at the time of creation and cannot be queried later. Please save the key information promptly.

# **Event Notification**

Last updated : 2025-06-24 10:38:46

This article will guide you on how to enable VOD pro event notifications so that you can receive timely notifications after file - related processing is completed.

### Applicable Scenario

You can set the event notification URL according to your actual needs. After the file - related processing is completed, the system will send an HTTP request to this URL, and the request body will contain the result status of the task.

#### **Operation Steps**

1. Log in to the VOD Console, click on the left - hand navigation bar to enter **Application Management** and access the application list page.

2. Locate the application you need to configure, and click on the application name to enter the application management page.

3. On the left - hand navigation bar, select **Event Notification**, then click **Go to set up event notification** to enter the "Set Event Notification" page.

4. Configure the following parameters on the settings page according to your actual needs:

Event Notification Method: Currently, only HTTP callback is supported.

Callback URL: Set the backend address of the App that will receive the callback according to your actual needs. Notification Events: Currently, only file upload completion event notification is supported.
# Migration Tools Full Migration Tool Migrating From AWS S3 (International)

Last updated : 2025-02-13 15:58:31

This article will guide you on how to migrate files from AWS S3 to VOD Professional Edition using the VOD migration tool.

## Preparations

1. If you already have a Professional Edition application, refer to Quick Start to create a Professional Edition application.

2. If you already have an available AWS S3 bucket, refer to Getting started with Amazon S3 to create an AWS S3 bucket.

# Directions

### Step 1: Create an AWS IAM Account and Grant Permissions

#### Note:

The following content is for reference only. Specific operations are subject to the actual display and services provided by AWS S3.

1. Log in to the AWS Console, go to the Identity and Access Management (IAM) interface, click **Users** to enter the user management page.

		I			
ldentity and Access < Management (IAM)		ara Info			
Q. Search IAM	Security recommendations 1				
	⊘ Root user ha	s MFA			
	Having multi-f	actor authentication (M	FA) for the root user impro	ves security for this account.	
Dashboard					
Access management	Deactivate o	r delete access keys lelete the access keys fo	f <b>or root user</b>	e access keys attached	Manage access
User groups	to an IAM user	to improve security.			
Users					
Roles					
Policies	IAM resource	es			
dentity providers	Resources in this	AWS Account			
Account settings	User groups	Users	Roles	Policies	Identity
					providers

2. After entering the user management page, click **Create user**.

aws I III Q Search		[Option+S]			D 4 0	🔞 Global ▼ o
E IAM > Users						0
Identity and Access Management (IAM)	Users (5) Info An IAM user is an identity with I	ong-term credentials that is us	ed to interact with AWS in an acco	unt.	©	Delete Create
		A Dath				Concolo last sign
Dashboard		■   Patn	V   Group: V   Last act		A V   Password age	console last sign
Access management		/	0 🕑 12 da	ys ago –	-	-
User groups		/	0 -	-	-	-
Users		/	0 -		▲ 558 days	-
Roles					_ ,	
Policies		/	0 -	-	-	-
Identity providers		/	0 🕑 Yeste	rday -	-	-
Account settings						
Root access management New						
Access reports						

3. Enter the user's name and click **Next**.

aws	III (a	, Search	[Option+S]	(	λ.	¢	0	¢	Global 🔻	d
Ξ	IAM > User	rs > Create user								0
Step 1 Specify user details			Specify user details							
	O Set	permissions	User details							
	Ste	<sup>p 3</sup> view and create	User name							
	<ul> <li>Review and create</li> </ul>	test1         The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ (hyphen)         Provide user access to the AWS Management Console - optional         If you're providing console access to a person, it's a best practice [?] to manage their access in IAM Identity Center.         If you are creating programmatic access through access keys or service-specific credentials for you can generate them after you create this IAM user. Learn more [?]	r AWS CodeCo	omm	it or An	nazon Ke	eyspace	S,		
							Ca	ncel	Next	

4. On the permissions settings page, click the **Attach policies directly** option, enter "S3" in the search bar, select the AmazonS3FullAccess permission from the search results, click **Next** and complete the user creation.

, 🛛 🛄 🔍 Search	[Option+S]					
IAM > Users > Create user						
Step 1 Specify user details Step 2 Set permissions Step 3 Review and create	Set permissions Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more  Permissions options					
	<ul> <li>Add user to group Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.</li> <li>Copy permissions copy all group memberships, attached managed policies, and inline policies from an existing user.</li> <li>Attach policies directly Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.</li> </ul>					
	Permissions policies (1/1317) Choose one or more policies to attach to your new user.					
	Permissions policies (1/1317)       Create policy [2]         Choose one or more policies to attach to your new user.       Filter by Type         Image: Comparison of the policy of					
	Permissions policies (1/1317)       Create policy [?]         Choose one or more policies to attach to your new user.       Filter by Type         Image: Comparison of the policy name [?]       All types       16 matches       1 > 10         Image: Policy name [?]       Image: Type       Image: Comparison of the policy is the policy					
	Permissions policies (1/1317)       Create policy [2]         Choose one or more policies to attach to your new user.       Filter by Type         S3       X         All types       16 matches       1 > 10         Policy name [2]       A   Type       V   Attached entities       V         AmazonDMSRedshiftS3Role       AWS managed       0       0					
	Permissions policies (1/1317)          ()         ()         ()					

### Step 2: Create an AWS IAM User Access Key

Notes:



The following content is for reference only. Specific operations are subject to the actual display and services provided by AWS S3.

1. After the AWS IAM user is created, click the username.

aws I 🏭 🔍 Search		[Option+S]			D 4 0	🕄 Global ▼ d
IAM > Users						<b>i</b>
Identity and Access < Management (IAM)	Users (5) Info An IAM user is an identity with I	ong-term credentials that is us	ed to interact with AWS in an account.		0	Delete Create u
Q Search IAM	Q Search					< 1 >
Dashboard	User name	▲   Path	▼   Group! ▼   Last activity	▼   MFA .	▼ Password age	▼ Console last sign-
Access management		/	0 🕑 12 days ago	-	-	-
User groups			0 -	-	-	-
Users		/	0 -	-	🛆 558 days	-
Roles	test1	/	0 -	-	-	-
Identity providers Account settings		/	0 Ø Yesterday	-	-	-
Root access management New						
▼ Access reports						
Access Analyzer						
External access						
Unused access						
Analyzer settings						
Credential renort						

2. Select Security credentials > Access keys, then click Create access key.

Identity and Access < Management (IAM)	test1 Info			Delet
Q Search IAM	Summary			
	ARN	Console access Disabled		Access key 1 Create access key
Dashboard	Created	Last console sign-in		
Access management	August 18, 2023, 16:52 (UTC+08:00)			
Jser groups				
Jsers	Permissions Groups Tags Security of	redentials Last Accessed		
Roles				
Policies				
dentity providers	Console sign-in			Enable console access
Account settings	Console sign-in link		Console password	
Root access management New	https://606822892230.signin.aws.amazon.com/console	e	Not enabled	
Access reports				
Access Analyzer	Multi-factor authentication (MFA) (0)			Remove Resync Assign MFA device
External access	Lise MEA to increase the security of your AWS environment	Signing in with MEA requires an authentication	code from an MEA device. Each user	can have a maximum of 8 MEA devices assigned Leave more [2]
Unused access	ose First to increase the security of your swis environmente			
Analyzer settings	Туре	Identifier	Certifications	Created on
Credential report		No MFA devices. Assign an MFA device to	improve the security of your AWS er	nvironment
Organization activity				
Service control policies		Assig	n MFA device	
Resource control policies New				
	Access keys (0)			Create access key
Related consoles	Use access keys to send programmatic calls to AWS from th	e AWS CLI, AWS Tools for PowerShell, AWS SDM	s, or direct AWS API calls. You can ha	ve a maximum of two access keys (active or inactive) at a time. Learn more
AM Identity Center 🖪	No arcess keys. As a best n	ractice, avoid using long-term credentials like a	cress keys Instead use tools which n	rovide short term credentials Learn more [7]
WS Organizations	NO BEESS KEYS. AS & DESE P	sealed, avoid using tong-term creatificats like a	cccos xcys, mateau, use toots which p	

3. Select **Other**, click **Next** to create. Be sure to save the Access key ID and Secret access key.

aws I III (Q. Search	[Option+S]
IAM > Users > test1 > Create access key          Step 1         Access key best practices & alternatives         Step 2 - optional         Set description tag         Step 3         Retrieve access keys	Access key best practices & alternatives Info Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives.
	Local code     You plan to use this access key to enable application code in a local development environment     to access your AWS account.      Application running on an AWS compute service     You plan to use this access key to enable application code running on an AWS compute service     like Amazon EC2, Amazon EC5, or AWS Lambda to access your AWS account.
	Third-party service     You plan to use this access key to enable access for a third-party application or service that     monitors or manages your AWS resources.
	Application running outside AWS     You plan to use this access key to authenticate workloads running in your data center or other     infrastructure outside of AWS that needs to access your AWS resources.
	Other Your use case is not listed here.

## Step 3. Create a Migration Task



1. Log in to the VOD console, click **Migration tool** on the left sidebar to enter the migration task list, and click **Create new task** to set the migration parameters.

Migration tool						User G
Create new task	Filter V Sort: Star	t Time 🗸 Ascending 🗸	·	Please er	iter the task ID	Q
ID/Name	Status	Address	Number of failed files	Migration duration	Operation	
Total items: 0			No data yet	10 ∨ / page 🛛 🗸	1 / 1 page	► H

2. Set the migration task name. The task name length should be between 1 to 60 characters, and the allowed characters are Chinese, English, numbers (0-9), underscore(\_), and hyphens (-).

Prompt	
1. It is rec	ommended that the size of individual files in the migration source does not exceed 50GB
2 Miarati	on cread is determined by factors such as the total number of files total file size, natwork conditions, and the conice stability of the migration source. For detailed
calculat	tion methods, see how to estimate migration time.
calculat	tion methods, see how to estimate migration time.

3. Estimate the task size. Please accurately fill in the task size so that we can better prepare the necessary resources. This field is not mandatory.



Task scale estin	nation				
Prompt					
<ol> <li>Please fill in resources ne conditions s</li> <li>If this sectio estimation r</li> </ol>	the data volume and total m eeded for the migration servi et by the user. n is left blank or filled inaccu nay affect the migration spee	mber of files included in this migratio ce. The actual data volume migrated w rately, the migration task will still be ex d.	n task as accurately as possible. The in ill still be based on the amount detect xecuted. However, in cases of large dat	formation provided here is only used for ed by the migration service according to a volumes and file quantities, inaccuraci	r assessing the o the migration ies in resource
Data volumo	0	GP v			
Data volume	V	05 *			
Number of files	0				

#### 4. Set the file source for the migration.

Migration source infor	rmation		
Service provider *	Alibaba Cloud OSS	Qiniu Cloud KODO	AWS S3 (International)
AccessKey *	Please enter AccessKey		
SecretKey *	Please enter SecretKey		
	Please fill in AccessKey and	SecretKey to ensure acces	ss to the source data bucket
Migration bucket name *	O Retrieve and select avai	ilable source buckets	Enter source bucket name
	Please select the bucket	to migrate	~ <i>G</i>
	Please press the refresh bu	tton on the right to get the	e list of selectable source data buckets
Header migration method	O Retain all source heade	rs ODiscard all source	e headers O Set header replacement rule
	Headers that do not compl	y with VOD tag naming ru	les will not be retained, please refer toVOD custom Header
Filename filtering rules	O No filtering (full amour	t) Only migrate files	s that match the prefix Only migrate files that match the regular expression
Time range	Only migrate files t	hat are newly added or cha	anged within the specified time range
	From start time midnight to	o end time midnight	
Execution speed	Enable migration s	peed limit	

Service provider: The migration source service provider here should be AWS S3.

AccessKey and SecretKey: Enter the AccessKeyID and AccessKeySecret of the AWS IAM user account previously created for migration in the text box.

**Migration bucket name**: After entering the key, click the "Migration bucket name" dropdown on the right side of **Refresh** to get the source Cloud Object Storage bucket list. You can also choose to manually enter the source bucket

🕗 Tencent Cloud

name.

**Header Migration Method**: If the file in the source bucket has headers and tags set and they need to be retained after migration, please choose to retain or set the replacement rule.

**Filename Filtering rules**: Choose to migrate all the files of the specified bucket, or only migrate files with a specified prefix.

Time range: Enable time period to only migrate files that are added or changed within a specified time period.

**Execution speed, Speed Limiting Method:** All public cloud object storage services have speed limits. To ensure business stability, check with the source vendor and set the maximum available migration bandwidth in Mbps before migrating.

5. Select the target location to migrate to.

Migration target information	n		
Service provider *	Tencent Cloud VOD - Professional Edition		
Migration target application *	Please select the application to migrate to	~ C	
	Please press the refresh button on the right to re-	eve the mig	gration target application list
Migration target storage bucket *	Please select the bucket to migrate to	× C	
	Please press the refresh button on the right to re-	eve the mig	gration target bucket list
Save path	• Save to root directory Save to specified	lirectory	
Files with the same name	<ul> <li>Overwrite (files in the source bucket replace f</li> <li>Skip (retain the same-named files already in t the same-named file in the target bucket, the</li> </ul>	s with the s target buc overwrite)	same name in the target bucket) cket. However, if the last modified time of the file in the source bucket is later than that of

Service provider: Default is Tencent Cloud VOD - Professional Version.

**Migrate target application**: Select the target application you want to migrate to. If you have just created an application, you can click the **refresh** button on the right side of the application selection box to get the latest Professional Version application list.

Migrate target storage bucket: Select the specific bucket under the target application.

Save path: Specify the directory in the target bucket for migration.

Save to Root Directory: Save the files from the source bucket to the root directory of the target bucket following their original relative paths.

Save to the specified directory: Save the files from the source bucket to the specified directory while maintaining their original relative paths. For example, if the files in the source bucket are /testa.txt and /dir/testb.txt , and "migration" is entered in the text box, the paths of these files in the target bucket after migration will be:

/migration/testa.txt and /migration/dir/testb.txt .

Files with the same name: Specify the handling method for files with the same name.

Note:



If you choose to **overwrite** the same name file, it will directly overwrite the file with the same name during migration. If the same name file is selected to **Skip**, it will be judged based on the last modification time, LastModified, that is: If the LastModified of the file in the source location is later than or equal to the LastModified of the file in the destination location, then overwrite.

If the LastModified of the file in the source address is earlier than the LastModified of the file in the destination address, then skip is executed.

Perform secondary migration if the object (file) content is changed during migration.

6. Click **Create and start** to launch the migration task. The estimated migration time can be found in the document Estimating the File Migration Time.

✓ I am aware of the po	ssible migration	time and the related costs that may be incurred
Create and start	Cancel	

### Step 4. Viewing the Migration Status and Progress

In the main interface of the File Migration Tool, you can view the status and progress of all file migration tasks: For the "Task Completion" status, green indicates the task is completed with all files successfully migrated, while yellow indicates the migration task is completed but some files failed to migrate.

Clicking the "Retry Failed Tasks" link will retry the migration of the failed files within the task; files that have already been successfully migrated will not be retransmitted.

Clicking the "Export" link allows you to export a list of files that failed to migrate during the process.

# Migrating From Alibaba Cloud OSS

Last updated : 2025-02-13 15:58:41

This article will guide you on how to migrate files from Alibaba Cloud OSS to Video on Demand (VOD) Professional Version using the VOD migration tool.

# Preparations

1. If you already have a Professional Edition application, refer to Quick Start to create a Professional Edition application.

2. If you already have an available Alibaba Cloud OSS bucket.

# **Operation Steps**

### Step 1: Create an Alibaba Cloud RAM User and Grant Permissions

#### Notes:

The following content is for reference only. Please refer to the actual display and services provided by Alibaba Cloud for specific operations.

1. Log in to the Alibaba Cloud console, go to the RAM Access Control page, enter **Identities** > **Users** page, and click **Create User**.

E C-) Alibaba	Cloud	⇔ w	/orkbench			QS	earch		Expenses	ICP	Enterprise	Support	Tickets	>_	<u>4</u> 8 ()
RAM		RAM / U	Jsers												
Overview		Use	rs												
Settings Identities	^	1 A F	RAM user is e RAM user	an entity you create can access the requ	in RAM to represent a ired Alibaba Cloud res	an individual or a progran sources. View Documen	n that re tation	quires to access Alibaba View Quick Start	Cloud. After y	/ou crea	ate a RAM use	r and grant	the releva	ant perm	issions to tl
Users Groups		Create	e User	Filter by logon user	name, display name,	user ID, or AccessKey IC	Q	Synchronization Type	∨ Tag	9	~			Ē	Recycle B
Roles			User Log	gon Name/Display Na	me	Note		Synchronizati Type	Tag		Last Login Da	ite 1⊧	A	ctions	
Permissions Grants	^							No data available.							
Policies			Add to Gro	up Add Permissio	ns   Add Tags   Del	ete Tags   Delete User					Items per Pa	age 10	~	< PI	revious
Integrations	~ <		100 010		ine   Aut lage   Der										(
SSO OAuth Preview															
CloudSSO 🔀															
Access Analyzing Beta	^														
Findings															

- 2. Enter the user's name, select Console Access and Using permanent AccessKey to access, and click OK.
- 3. Save the generated account, password, AccessKeyID, and AccessKeySecret.
- 4. After the user is created, return to the user list page and click **Add Permission**.

😑 🕞 Alibaba Cloud	d 🗇 Workbench	Q Search	Expenses ICP	Enterprise Support	Tickets 🔄 🛕
RAM	RAM / Users				
Overview	Users				
Settings Identities ^	A RAM user is an entity you create in RAM to represent an individual or the RAM user can access the required Alibaba Cloud resources. View I	a program that requires to access Alibab locumentation   View Quick Start	oa Cloud. After you cre	eate a RAM user and grant f	the relevant permissions to th
Users	Create User Filter by logon username, display name, user ID, or Acce	ssKey IE Q Synchronization Typ	oe ∨ Tag	~	🖹 Recycle Bi
Roles	User Logon Name/Display Name Synchi Type	onizati Tag Last Lo	gin Date 11	Created 1	Actions
Permissions ^ Grants	Manua	⊳ -		Feb 13, 2025, 10:26:11	Add to Group Add Permissions
Policies Troubleshoot Integrations	Add to Group   Add Permissions   Add Tags   Delete Tags   Del	ite User		Items per Page 10	Previous
SSO OAuth Preview					
CloudSSO 🕻 Access Analyzing 🛛 🔭					
Analyzers Findings					

5. On the Grant Permission page, enter "OSS" in the policy search box, select **AliyunOSSFullAccess** from the search results, and click **Grant Permission**.

^	A RAM user is an entity you create in RAM to represent an individe the RAM user can access the required Alibaba Cloud resources.	Resource Scope     Account      ResourceGroup      Principal Selected Principal
~	User Logon Name/Display Name	vser11@5698538740092192.onaliyun.com ▼ Policy
		Filter by policy name and desi     Q     All Types     C     Selected Policy       Policy Name     Policy Type     Description     System Policy (1)       All yunOSSFullAccess
~ <	Add to Group   Add Permissions   Add Tags   Delete Tags	AdministratorAccess High Risk System Policy Provides full access to Alibab  AliyunOSSFullAccess System Policy Provides full access to Object  AliyunOSSReadOnlyAccess System Policy Provides read-only access to
Rata A		AliyunECSFullAccess     System Policy     Provides full access to Elastic       AliyunECSReadOnlyAccess     System Policy     Provides read-only access to
		AliyunRDSFullAccess     System Policy     Provides full access to Apsar       AliyunRDSReadOnlyAccess     System Policy     Provides read-only access to
		AliyunSLBFullAccess     System Policy     Provides full access to Server     AliyunSLBReadOnlyAccess     System Policy     Provides read-only access to     AliyunBAMFullAccess High Risk     System Policy     Provides full access to Resource

### Step 2: Create a Migration Task

1. Log in to the VOD console, click **Migration tool** on the left sidebar to enter the migration task list, and click **Create new task** to set the migration parameters.

ŀ	Migration tool						User G
	Create new task	Filter V Sort: Start Tin	ne 🗸 Ascending	×	Please en	ter the task ID	Q
	ID/Name	Status	Address	Number of failed files	Migration duration	Operation	
	Total items: 0			No data yet	10 v / page 14 4	1 / 1 page	► H

2. Set the migration task name. The task name length should be between 1 to 60 characters, and the allowed characters are Chinese, English, numbers (0-9), underscore(\_), and hyphens (-)



Prompt	
. It is red	ommended that the size of individual files in the migration source does not exceed 50GB
2. Migrat calcula	on speed is determined by factors such as the total number of files, total file size, network conditions, and the service stability of the migration source. For detailed tion methods, see how to estimate migration time.
k settin	35

3. Estimate the task size. Please accurately fill in the task size so that we can better prepare the necessary resources. This field is not mandatory.

Task scale estin	Task scale estimation					
Prompt	Prompt					
<ol> <li>Please fill in resources ne conditions se</li> </ol>	<ol> <li>Please fill in the data volume and total number of files included in this migration task as accurately as possible. The information provided here is only used for assessing the resources needed for the migration service. The actual data volume migrated will still be based on the amount detected by the migration service according to the migration conditions set by the user.</li> </ol>					
2. If this section estimation m	n is left blank or filled inaccurately, the nay affect the migration speed.	migration task will still be executed. However, in cases of large data volumes and file quantities, inaccuracies in resource				
Data valuera	0					
Data volume	0					
Number of files	0					

4. Set the file source for the migration.

Migration source infor	mation		
Service provider *	Alibaba Cloud OSS	Qiniu Cloud KODO	AWS S3 (International)
AccessKey *	Please enter AccessKey		
SecretKey *	Please enter SecretKey		
	Please fill in AccessKey and	SecretKey to ensure acces	is to the source data bucket
Migration bucket name *	O Retrieve and select ava	ilable source buckets	Enter source bucket name
	Please select the bucket	to migrate	✓ C
	Please press the refresh bu	tton on the right to get the	e list of selectable source data buckets
Header migration method	• Retain all source heade Headers that do not comp	rs Oiscard all source by with VOD tag naming ru	headers Oset header replacement rule les will not be retained, please refer toVOD custom Header
Filename filtering rules	O No filtering (full amour	nt) Only migrate files	that match the prefix Only migrate files that match the regular expression
Time range	Only migrate files t	hat are newly added or cha	anged within the specified time range
	From start time midnight t	o end time midnight	
Execution speed	Enable migration s	peed limit	

Service provider: The migration source service provider here should be Alibaba Cloud OSS.

AccessKey and SecretKey: Enter the AccessKeyID and AccessKeySecret of the previously created Alibaba Cloud RAM user account for migration in the text box.

**Migration Bucket Name**: After entering the key, click the **Refresh** button on the right side of the "Migration Bucket Name" dropdown to get a list of source COS buckets. You may also choose to manually enter the source bucket name.

**Header Migration Method**: If the file in the source bucket has headers and tags set and they need to be retained after migration, please choose to retain or set the replacement rule.

**Filename Filtering Rules**: Choose to migrate all the files of the specified bucket, or only migrate files with a specified prefix.

Time range: Enable time period to only migrate files that are added or changed within a specified time period.

**Execution speed, Speed Limiting Method:** All public cloud object storage services have speed limits. To ensure business stability, check with the source vendor and set the maximum available migration bandwidth in Mbps before migrating.

5. Select the target location to migrate to.

Migration target information				
Service provider *	Tencent Cloud VOD - Professional Edition			
Migration target application <b>*</b>	Please select the application to migrate to 🗸 🗸			
	Please press the refresh button on the right to retrieve the migration target application list			
Migration target storage bucket *	Please select the bucket to migrate to 🗸 🗸			
	Please press the refresh button on the right to retrieve the migration target bucket list			
Save path	O Save to root directory Save to specified directory			
Files with the same name	Overwrite (files in the source bucket replace files with the same name in the target bucket)			
	Skip (retain the same-named files already in the target bucket. However, if the last modified time of the file in the source bucket is later than that of the same-named file in the target bucket, then overwrite)			

Service provider: Default is Tencent Cloud VOD - Professional Version.

**Migrate target application**: Select the target application you want to migrate to. If you have just created an application, you can click the **refresh** button on the right side of the application selection box to get the latest Professional Version application list.

Migrate target storage bucket: Select the specific bucket under the target application.

Save path: Specify the directory in the target bucket for migration.

Save to Root Directory: Save the files from the source bucket to the root directory of the target bucket following their original relative paths.

Save to the specified directory: Save the files from the source bucket to the specified directory while maintaining their original relative paths. For example, if the files in the source bucket are /testa.txt and /dir/testb.txt , and "migration" is entered in the text box, the paths of these files in the target bucket after migration will be:

/migration/testa.txt and /migration/dir/testb.txt .

Files with the same name: Specify the handling method for files with the same name.

#### Note:

If you choose to **overwrite** the same name file, it will directly overwrite the file with the same name during migration. If the same name file is selected to **Skip**, it will be judged based on the last modification time, LastModified, that is: If the LastModified of the file in the source location is later than or equal to the LastModified of the file in the destination location, then overwrite.

If the LastModified of the file in the source address is earlier than the LastModified of the file in the destination address, then skip is executed.

Perform secondary migration if the object (file) content is changed during migration.

6. Click **Create and start** to launch the migration task. The estimated migration time can be found in the document Estimating the File Migration Time.

I am aware of the possible migration time and the related costs that may be incurred
 Create and start
 Cancel

### **Step 3: Viewing the Migration Status and Progress**

In the main interface of the File Migration Tool, you can view the status and progress of all file migration tasks:

For the "Task Completion" status, green indicates the task is completed with all files successfully migrated, while yellow indicates the migration task is completed but some files failed to migrate.

Clicking the "Retry Failed Tasks" link will retry the migration of the failed files within the task; files that have already been successfully migrated will not be retransmitted.

Clicking the "Export" link allows you to export a list of files that failed to migrate during the process.

# Migrating From Qiniu KODO

Last updated : 2025-02-13 15:58:50

This article will guide you on how to migrate files from Qiniu KODO to the VOD Professional Edition using the VOD migration tool.

# Preparations

1. If you already have a Professional Edition application, refer to Quick Start to create a Professional Edition application.

2. If you already have an available Qiniu KODO bucket.

3. If you need to use a CDN acceleration domain name to download files, ensure that the Qiniu KODO bucket to be migrated has a configured CDN acceleration domain name. For how to configure a CDN acceleration domain name. If you need to use an S3 domain name to download files, there is no need to configure a CDN acceleration domain name.

## Directions

### Step 1. Get the Qiniu Key

#### Notes:

The following content is for reference only. Specific operations are subject to the actual display and services provided by Qiniu.

1. Log in to the Qiniu Cloud Console, go to the API Key Management page, and click Hide on the right side of SK.

2024-12-05	AK		-
	SK	••••••	$\bigotimes$

2. After authentication, save the AK and SK information of Qiniu Cloud.

### Step 2: Create a Migration Task

1. Log in to the VOD console, click **Migration tool** on the left sidebar to enter the migration task list, and click **Create new task** to set the migration parameters.

N	Migration tool						User G
	Create new task	Filter  Sort: Start Time	✓ Ascending	*	Please er	ter the task ID	Q
	ID/Name	Status	Address	Number of failed files	Migration duration	Operation	
				No data yet			
	Total items: 0				10 🗸 / page 🛛 🛤 🖣	1 / 1 page	► H

2. Set the migration task name. The task name length should be between 1 to 60 characters, and the allowed characters are Chinese, English, numbers (0-9), underscore(\_), and hyphens (-)

Prompt	
1. It is re	commended that the size of individual files in the migration source does not exceed 50GB
2. Migrat calcula	ion speed is determined by factors such as the total number of files, total file size, network conditions, and the service stability of the migration source. For detailed ition methods, see how to estimate migration time.
Task settin	igs
Task name *	Please enter the task name
	Character length is 1 to 60 characters allowed characters are Chinese English 0-9

3. Estimate the task size. Please accurately fill in the task size so that we can better prepare the necessary resources. This field is not mandatory.

Task scale estimation							
Prompt	Prompt						
<ol> <li>Please fill in resources n conditions</li> <li>If this section estimation n</li> </ol>	<ol> <li>Please fill in the data volume and total number of files included in this migration task as accurately as possible. The information provided here is only used for assessing the resources needed for the migration service. The actual data volume migrated will still be based on the amount detected by the migration service according to the migration conditions set by the user.</li> <li>If this section is left blank or filled inaccurately, the migration task will still be executed. However, in cases of large data volumes and file quantities, inaccuracies in resource estimation may affect the migration speed.</li> </ol>						
Data volumo		CP vi					
Data volume	0						
Number of files	0						

4. Set the file source for the migration.



Mignation course info	mation			
wigration source infor	mation			
Service provider *	Alibaba Cloud OSS	Qiniu Cloud KODO	AWS S3 (International)	
AccessKey *	Please enter AccessKey			
SecretKey *	Please enter SecretKey			
	Please fill in AccessKey and	SecretKey to ensure acces	s to the source data bucke	t
Migration bucket name *	O Retrieve and select avai	lable source buckets	Enter source bucket name	e
	Please select the bucket t	o migrate	× C	
	Please press the refresh but	ton on the right to get th	e list of selectable source d	ata buckets
Access mode *	CDN accelerated doma	in access S3 compa	tible interface access	
Select bound domain *	Please select a domain na	ime	~	
Header migration method	O Retain all source header	s Oiscard all source	headers Oset header	replacement rule
	Headers that do not comply	/ with VOD tag naming ru	les will not be retained, ple	ase refer toVOD custom Header
Filename filtering rules	O No filtering (full amoun	t) Only migrate files	that match the prefix	Only migrate files that match the regular expression
Time range	Only migrate files th	at are newly added or cha	anged within the specified	time range
	From start time midnight to	end time midnight		
Execution speed	Enable migration sp	eed limit		

Service provider: The migration source service provider here should be Qiniu Cloud KODO.

AccessKey and SecretKey: Enter the Qiniu Cloud AK and SK saved in step one in the text box.

**Migration bucket name**: After entering the key, click the "Migration bucket name" dropdown on the right side of **Refresh** to get the source Cloud Object Storage bucket list. You can also choose to manually enter the source bucket name.

#### Access Mode:

Access via CDN acceleration domain name: After confirming the migration bucket, select this option to get the list of CDN acceleration domain names bound to the corresponding bucket in the Qiniu console. Choose a domain name from the drop-down list, and the task running will access the files to be migrated through the CDN acceleration domain name.

S3-compatible API access: Obtain the Spatial Domain of the S3-compatible access API through the Qiniu console, then enter it into the input box. The task running will directly access the files to be migrated via the Spatial Domain.

**Header Migration Method**: If the file in the source bucket has headers and tags set and they need to be retained after migration, please choose to retain or set the replacement rule.

**Filename Filtering Rules**: Choose to migrate all the files of the specified bucket, or only migrate files with a specified prefix.

**Time range**: Enable time period to only migrate files that are added or changed within a specified time period.

**Execution speed, Speed Limiting Method:** All public cloud object storage services have speed limits. To ensure business stability, check with the source vendor and set the maximum available migration bandwidth in Mbps before migrating.

5. Select the target location to migrate to.

Migration target informatio	n
Service provider *	Tencent Cloud VOD - Professional Edition
Migration target application *	Please select the application to migrate to 🗸 🗸
	Please press the refresh button on the right to retrieve the migration target application list
Migration target storage bucket *	Please select the bucket to migrate to 🗸 🗸
	Please press the refresh button on the right to retrieve the migration target bucket list
Save path	• Save to root directory • Save to specified directory
Files with the same name	Overwrite (files in the source bucket replace files with the same name in the target bucket)
	Skip (retain the same-named files already in the target bucket. However, if the last modified time of the file in the source bucket is later than that of the same-named file in the target bucket, then overwrite)

Service provider: Default is Tencent Cloud VOD - Professional Version.

**Migrate target application**: Select the target application you want to migrate to. If you have just created an application, you can click the **refresh** button on the right side of the application selection box to get the latest Professional Version application list.

Migrate target storage bucket: Select the specific bucket under the target application.

Save path: Specify the directory in the target bucket for migration.

Save to Root Directory: Save the files from the source bucket to the root directory of the target bucket following their original relative paths.

Save to the specified directory: Save the files from the source bucket to the specified directory while maintaining their original relative paths. For example, if the files in the source bucket are /testa.txt and /dir/testb.txt , and "migration" is entered in the text box, the paths of these files in the target bucket after migration will be:

/migration/testa.txt and /migration/dir/testb.txt .

Files with the same name: Specify the handling method for files with the same name.

#### Note:

If you choose to **overwrite** the same name file, it will directly overwrite the file with the same name during migration. If the same name file is selected to **Skip**, it will be judged based on the last modification time, LastModified, that is: If the LastModified of the file in the source location is later than or equal to the LastModified of the file in the destination location, then overwrite.

If the LastModified of the file in the source address is earlier than the LastModified of the file in the destination address, then skip is executed.

Perform secondary migration if the object (file) content is changed during migration.

6. Click **Create and start** to launch the migration task. The estimated migration time can be found in the document Estimating the File Migration Time.

✓ I am aware of the possible migration time and the related costs that may be incurred			
Create and start	Cancel		

### Step 3: Viewing the Migration Status and Progress

In the main interface of the File Migration Tool, you can view the status and progress of all file migration tasks: For the "Task Completion" status, green indicates the task is completed with all files successfully migrated, while yellow indicates the migration task is completed but some files failed to migrate.

Clicking the "Retry Failed Tasks" link will retry the migration of the failed files within the task; files that have already been successfully migrated will not be retransmitted.

Clicking the "Export" link allows you to export a list of files that failed to migrate during the process.

# **Incremental Migration Tool**

Last updated : 2025-03-18 14:10:42

This article guides you on how to configure an incremental migration strategy. Once configured, when a requested file is not found in the VOD service, the system will pull the file from the specified migration source, return it to the requester, and simultaneously store it in the VOD storage. This strategy is suitable for scenarios like migrating hot files progressively. You can customize the settings based on your needs.

# Preparations

- 1. A Professional Edition application must be available. For creating one, refer to the Quick Start.
- 2. A valid migration source must be configured.

# **Operation Steps**

1. Log in to the VOD Console. Navigate to **Migration Tool** in the left sidebar. Select **Incremental Migration Tool** and click **Create Policy** to configure migration parameters.

VOD	Incremental migratio	n tool		
Service Overview	Create policy			
Application Management				
Usage Statistics	Policy name	Policy ID	Migration source type	Migration source add
Resource		**	HTTP	-
Management	Total items: 1			
<ul> <li>License</li> <li>Management</li> </ul>				
Real-time Log Analysis				
📑 Migration Tool				
Full Migration Tool				
Incremental     Migration Tool				

2. Set the Migration Task Name. Name requirements:

Length: 1 to 100 characters.

Allowed characters: Chinese, English letters, digits (0-9), and hyphens (-).

Policy settings	
Policy name	
	Name: ≤100 characters (Chinese/English letters, numbers, hyphens)

3. Configure the Migration source information.

Migration source information	
Migration source name *	HTTP source (i)
Migration source address *	Enter valid IP/Domain address
HTTP Header transmission rules (i)	HTTP Header Passthrough specified HTTP Headers HTTP Header Disable all HTTP Header passthrough
	Please enter Delete
	Add Header You can add 9 more
HTTP Header Add HTTP Header (i)	content-type Enter parameter name (e.g. : Enter parameter value Delete
	Add a Row You can add 9 more

Migration source name: Currently supports HTTP sources only (object storage sources will be supported later). Migration source address:

Enter the domain name or IP address (port numbers are allowed, e.g., example.com:8080).

Do NOT include prefixes like http:// or https://.

HTTP Header Forwarding Rules:

Forward specific HTTP Headers: Specify up to 10 headers to forward.

Block all HTTP Headers: Disable forwarding entirely.

Add custom HTTP Headers: Define Key-Value pairs (up to 10) to inject into requests sent to the source.

4. Configure the Migration Target

Migration target information		
Migration target application *	Select application to migrate	~ C
	Please press the refresh button on the rig	ght to retrieve th
Migration target storage bucket • (i)	Select bucket to migrate	~ C
	Please press the refresh button on the rig	ght to retrieve th

Target Application:

Select a Professional Edition application.

Click the Refresh button next to the dropdown to update the list if a newly created app is missing.

Target Storage Bucket: Choose a bucket under the selected application.



#### Note:

Each bucket supports only 1 active incremental migration policy.5. Click **Confirm** to finalize the setup.

# **Related Documentation**

If you need to schedule cleanup of incrementally migrated files, you can refer to the storage strategy to configure a scheduled cleanup policy.

If you need to migrate all files in one go, you can refer to the full migration tool to configure the full migration policy.

# Development Guide Media Storage Basic Concepts

Last updated : 2025-02-13 15:59:00

This article will introduce some basic concepts of Video on Demand (VOD) Pro, including bucket and objects.

## Bucket

A bucket is a storage container used in Video on Demand (VOD) Pro applications. A single application can create buckets in multiple regions. It is a carrier of objects with no capacity limit.

### **Bucket Naming Conventions**

Bucket names support user customization. The naming conventions are as follows: Bucket names can consist only of lowercase letters (a-z), numbers (0-9), and hyphens (-). Bucket names cannot start and end with hyphens (-). Bucket names must be between 1 (min) and 40 (max) characters long.

### The Region To Which the Bucket Belongs

The region to which the bucket belongs refers to the geographical location where the bucket data is actually stored. The VOD Pro Edition application can create buckets in multiple regions. You can choose to create a bucket in the region closest to your business to achieve low latency, low cost, and compliance.

#### Note:

Each VOD Pro application supports creating only one bucket per region, and the bucket region cannot be changed once selected. If you need to create multiple buckets in the same region within a single application, please contact us.

### Private Network Access Domain Name Of the Bucket

VOD Pro application provides a private network access domain name for each bucket. Through this domain name, you can access objects in the bucket via the private network. If accessed within the same region, private network access is enabled, and both upload and download generate private network traffic, incurring no traffic fee. Please refer to Usages.

## Object

Objects are the basic units of VOD Pro and can be data in any format (video, image, text, etc.). Buckets are the carriers of objects, and objects are stored in buckets.

### **Object Key**

The object key is the unique identifier of an object in a bucket, which can be understood as a file path, such as 2025/01/01/hello.txt.

### Naming Specification Of Object Key

You can use any UTF-8 characters. However, to ensure optimal compatibility with other applications, it is recommended to use English letters (a-z, A-Z), numbers (0-9), and their combinations.

The encoded length can be up to 850 bytes.

The name cannot start with a forward slash / or backslash \\.

The following strings are not allowed: %0a, %0d.

ASCII control characters such as upward arrow ( $\uparrow$ ), downward arrow ( $\downarrow$ ), rightward arrow ( $\rightarrow$ ), and leftward arrow

(←) are not supported, corresponding to CAN (24), EM (25), SUB (26), and ESC (27) respectively.

Refrain from using special symbols such as \* and % in the filename.

# Supported Storage Operations

Last updated : 2025-02-13 15:59:10

# Overview

The VOD Pro application supports managing media content in Cloud Object Storage mode. After creating a bucket in the Pro application, customers can manage the media content in the bucket in an AWS S3 compatible manner. This article introduces the storage operations supported by the Professional Version application and the access methods available for these operations. Using AWS S3 storage operations as a reference, it lists the S3 operations that have been implemented or covered by product features in a table, and details the support situation for specific features in these operations.

# **Object-Level Operations**

Supported object-level operations are listed in the table below:

Action Name	S3 API	Features	Access Method
HEAD Object	HeadObject	Request Headers: Support for If-Match dedicated header: If-Match If-Modified-Since If-None-Match If-Unmodified-Since	Not yet supported but planned: Tencent Cloud Console Not supported: TencentCloud API 3.0 Supported: bucket private domain (S3 compatibility)
Retrieve object list	ListObjects	URL Parameters: Supported as follows: delimiter encoding-type marker max-keys prefix	Supported: Tencent Cloud Console, bucket private domain(S3 compatibility) Not supported: TencentCloud API 3.0
	ListObjectsV2	<b>URL Parameters:</b> Supported as follows: list-type continuation-token	



		delimiter encoding-type fetch-owner max-keys prefix start-after	
Downloading an Object	GetObject	No	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0
Upload a single object	PutObject	Request Headers: Supported as follows: Cache-Control Content-Disposition Content-Encoding Content-Length Content-MD5 Content-Type Expires x-amz-storage-class: STANDARD STANDARD_IA	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0
Deleting a Single Object	DeleteObject	No	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0
DELETE Multiple Objects	DeleteObjects	No	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0
Get fragment upload event list	ListMultipartUploads	URL Parameters: Supported as follows: delimiter encoding-type key-marker max-uploads prefix upload-id-marker	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0

Create Chunked Upload	CreateMultipartUpload	Request Headers: Supported as follows: Cache-Control Content-Disposition Content-Encoding Content-Type Expires x-amz-storage-class: STANDARD STANDARD_IA	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0
Complete Chunked Upload	CompleteMultipartUpload	URL Parameters: Supported: uploadId Request Body: Supported as follows: ETag PartNumber	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0
Abort Chunked Upload	AbortMultipartUpload	<b>URL Parameters:</b> Supported: uploadId	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility), application upload domain (S3 compatibility) Not supported: TencentCloud API 3.0
Upload Shards	UploadPart	Request Headers: Supported as follows: Content-Length Content-MD5 URL Parameters: Supported as follows: partNumber uploadId	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility), application upload domain (S3 compatibility) Not supported: TencentCloud API 3.0
Get the shard list of the specified upload event	ListParts	<b>URL Parameters:</b> Supported as follows: max-parts part-number-marker uploadId	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility), application upload domain (S3 compatibility) Not supported: TencentCloud API 3.0
Copy a single object	CopyObject	Request Headers: Supported as follows: Cache-Control	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility)



		Content-Disposition Content-Encoding Content-Type Expires x-amz-copy-source x-amz-metadata-directive x-amz-storage-class STANDARD STANDARD_IA ARCHIVE DEEP_ARCHIVE Support for If-Match dedicated header: x-amz-copy-source-if-match x-amz-copy-source-if-modified- since x-amz-copy-source-if-none- match x-amz-copy-source-if-unmedified-since	Not supported: TencentCloud API 3.0, application upload domain name (S3 compatibility)
Copy Shards	UploadPartCopy	Request Headers: Supported as follows: x-amz-copy-source x-amz-copy-source-range Support for If-Match dedicated header: x-amz-copy-source-if-match x-amz-copy-source-if-modified- since x-amz-copy-source-if-none- match x-amz-copy-source-if- unmodified-since URL Parameters: Supported as follows: partNumber uploadId	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0, application upload domain name (S3 compatibility)
Restore archived or deep archived objects	RestoreObject	<b>Request Body:</b> Supported as follows: Days GlacierJobParameters.Tier	Supported: Tencent Cloud Console, bucket private domain (S3 compatibility) Not supported: TencentCloud API 3.0, application upload domain name (S3 compatibility)

# **Bucket-Level Operations**

### Note:

VOD Pro provides bucket operations at the application level, covering common S3 bucket operations, but does not offer S3 compatible APIs.

Supported bucket-level operations are as follows:

Action Name	S3 API	Features	Access Method
Creating a Bucket	CreateBucket	Supported: Specify Storage Region	Supported: Tencent Cloud Console Not yet supported but planned: TencentCloud API 3.0 Not supported: bucket private domain (S3 compatibility), application upload domain name (S3 compatibility)
Get bucket list	ListBuckets	No	Supported: Tencent Cloud Console Not yet supported but planned: TencentCloud API 3.0 Not supported: bucket private domain (S3 compatible), application upload domain (S3 compatible)
Create a bucket lifecycle	PutBucketLifecycleConfiguration	Supported: expiration cooldown, expiration deletion	Supported: Tencent Cloud Console Not yet supported but planned: TencentCloud API 3.0 Not supported: bucket private domain (S3 compatible), application upload domain (S3 compatible)



Query a bucket lifecycle	GetBucketLifecycleConfiguration	No	Supported: Tencent Cloud Console Not yet supported but planned: TencentCloud API 3.0 Not supported: bucket private domain (S3 compatible), application upload domain (S3 compatible)
Delete a bucket lifecycle	DeleteBucketLifecycle	No	Supported: Tencent Cloud Console Not yet supported but planned: TencentCloud API 3.0 Not supported: bucket private domain (S3 compatible), application upload domain (S3 compatible)

# Storage Access Method

Last updated : 2025-03-20 16:46:26

This article mainly introduces the storage access methods supported by the Professional Version and how to use these access methods.

#### Note:

For console access methods, refer to the Console Guide. For Tencent Cloud API 3.0 access methods, refer to the Server APIs. These two methods will not be repeated in this article.

# Access Methods

Туре	Access Method	Access Endpoint Domain Names	Function
Preset domain name	Public domain of the bucket	[BucketId].vodpro. [storage region].eovod.com	Used for CRUD operations (Create, Read, Update, Delete) on media files over the public network.
	Private domain of the bucket	[BucketId].vodsrc- internal.[storage region].eovod.com	Used for CRUD operations on media files within the same region of Tencent Cloud's private network, supports downloading without incurring traffic fees.
Custom Domain Name	EdgeOne acceleration distribution domain name	Custom	Used for media file distribution and playback.

The storage access methods supported by the Professional Version application are as follows:

## Usage

### Public Domain of the bucket

Each bucket in a Professional Edition application comes with a pre-configured public network domain. Use this domain to perform CRUD operations on media files in the bucket. For a full list of supported operations, refer to the Supported Storage Operations documentation.

#### Note:

• The public domain takes 30-120 minutes to become active after bucket creation.



• Downloading files or browsing content via the public network domain is not supported. Use the EdgeOne accelerated domain instead.

#### Preparations

1. Create an Application and Bucket

Create a Professional Edition application and bucket in the VOD Console. For steps, see the Quick Start and Creating a Bucket documentation.

2. Obtain Access Credentials

Retrieve the AccessKey pair from the application's Key Management section. Refer to the Key Management guide for details.

#### Accessing Buckets with S3 SDK

Below are examples of initializing an S3 client and retrieving object metadata in common programming languages.

Assumptions:

Region: ap-guangzhou.

Bucket ID: bucketid1.

Code Samples:

GO

Java

C++

```
Python
```

```
import (
        "context"
        "errors"
        "fmt."
        "net/url"
        "os"
        "github.com/aws/aws-sdk-go-v2/aws"
        "github.com/aws/aws-sdk-go-v2/credentials"
        "github.com/aws/aws-sdk-go-v2/service/s3"
        smep "github.com/aws/smithy-go/endpoints"
        "github.com/aws/smithy-go/logging"
)
type customEndpointResolverV2 struct {
}
// ResolveEndpoint custom endpoint resolution
func (r *customEndpointResolverV2) ResolveEndpoint(ctx context.Context,
        params s3.EndpointParameters) (smep.Endpoint, error) {
```

```
if params.Bucket == nil || params.Region == nil {
                return smep.Endpoint{}, errors.New("invalid endpoint param")
        }
        return smep.Endpoint{
                URI: url.URL{
                        Scheme: "https",
                        Host: fmt.Sprintf("%s.vodpro.%s.eovod.com", *params.Bucke
                },
        }, nil
}
func main() {
        // Initialize client
        s3cli := s3.New(s3.Options{
                Credentials: credentials.NewStaticCredentialsProvider(
                        "AccessKeyId", // Replace with your AccessKeyID
                        "SecretAccessKey", // Replace with your SecretAccessKey
                        ""),
                EndpointResolverV2: new(customEndpointResolverV2),
                                                                          // Custom
                UsePathStyle:
                                                                          // Disabl
                                    false,
                                    logging.NewStandardLogger(os.Stdout), // Log ou
                Logger:
                ClientLogMode:
                                    aws.LogRequest | aws.LogResponse,
                                                                          // Log re
                                    "ap-guangzhou",
                                                                          // Storag
                Region:
        })
        // Get media file metadata
        _, _ = s3cli.HeadObject(context.TODO(), &s3.HeadObjectInput{
                Bucket: aws.String("bucketid1"), // Bucket ID in VOD Pro applicati
                Key: aws.String("a/b/c.jpeg"), // Media file path in bucket
        })
}
import software.amazon.awssdk.auth.credentials.AwsBasicCredentials;
import software.amazon.awssdk.auth.credentials.StaticCredentialsProvider;
import software.amazon.awssdk.services.s3.S3Client;
import software.amazon.awssdk.services.s3.model.HeadObjectRequest;
import software.amazon.awssdk.services.s3.model.HeadObjectResponse;
import java.net.URI;
public class Main {
    // Custom endpoint resolver
    public static void main(String[] args) {
        // Initialize S3 client
        S3Client s3Client = S3Client.builder()
                .credentialsProvider(StaticCredentialsProvider.create(AwsBasicCrede
                        "AccessKeyId", // Replace with your AccessKey
```
```
"SecretAccessKey" // Replace with your SecretAccessKey
                )))
                .endpointOverride(URI.create("https://vodpro.ap-guangzhou.eovod.com
                .region(Region.of("ap-guangzhou"))
                .build();
        // Get media file metadata
        try {
            HeadObjectRequest headObjectRequest = HeadObjectRequest.builder()
                    .bucket("bucketid1")
                                           // Bucket ID in VOD Pro application
                                            // Media file path in the bucket
                    .key("a/b/c.jpeg")
                    .build();
            HeadObjectResponse headObjectResponse = s3Client.headObject(headObjectR
            System.out.println("Content Length: " + headObjectResponse.contentLengt
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
            s3Client.close();
        }
    }
}
#include <aws/core/Aws.h>
#include <aws/core/auth/AWSCredentials.h>
#include <aws/s3/S3Client.h>
#include <aws/s3/model/HeadObjectRequest.h>
#include <iostream>
#include <string>
int main() {
    // Initialize AWS SDK
    const Aws::SDKOptions options;
    InitAPI(options);
    // Custom domain configuration
    Aws::Client::ClientConfiguration clientConfig;
    clientConfig.scheme = Aws::Http::Scheme::HTTPS;
    clientConfig.endpointOverride = "vodpro.ap-guangzhou.eovod.com";
    // Create S3 client
    const Aws::S3::S3Client s3Client(
        Aws::Auth::AWSCredentials(
            "AccessKeyId", // Replace with your AccessKeyId from IAM
            "SecretAccessKey" // Replace with your SecretAccessKey from IAM
        ),
        nullptr, clientConfig);
    // Create HeadObject request
    Aws::S3::Model::HeadObjectRequest request;
```

```
request.SetBucket("bucketid1"); // Bucket ID in VOD Pro application
    request.SetKey("a/b/c.jpeg"); // Media file path in bucket
    // Send request
    auto outcome = s3Client.HeadObject(request);
    if (outcome.IsSuccess()) {
        std::cout << "Head object succeeded!" << std::endl;</pre>
        const auto &object = outcome.GetResult();
        std::cout << "Content Length: " << object.GetContentLength() << std::endl;</pre>
    } else {
        const auto error = outcome.GetError();
        std::cout << "Error: " << error.GetMessage() << std::endl;</pre>
    // Cleanup AWS SDK
    Aws::ShutdownAPI(options);
    return 0;
}
import boto3
from botocore.config import Config
from botocore.exceptions import ClientError
# Create S3 client
s3_client = boto3.client(
    's3',
    aws_access_key_id='AccessKeyId',
                                                            # AccessKey ID from your
    aws_secret_access_key='SecretAccessKey',
                                                            # SecretAccessKey from y
    endpoint_url='https://vodpro.ap-quangzhou.eovod.com', # Custom endpoint URL
    config=Config(s3={'addressing_style': 'virtual'}),
                                                            # Use virtual hosted-sty
)
try:
    # Retrieve media file metadata
    response = s3_client.head_object(
        Bucket="bucketid1", # Bucket ID in your VOD Pro application
        Key="a/b/c.jpeg" # Media file path within the bucket
    )
    print(response)
except ClientError as e:
    print(f"Error: {e}")
```

## Private Domain Of the Bucket

The Professional Edition application pre-assigns a private domain for each bucket. Customers can use this domain to perform CRUD operations on media files within the bucket from servers in the same region of Tencent Cloud's private

network. File downloads are supported without incurring traffic fees. For the list of supported operations, see Supported Storage Operations.

#### Note:

The bucket's private domain has a certain effective time, usually taking effect 30 minutes after the bucket is created. The private domain must be accessed from Tencent Cloud servers in the same region as the bucket, otherwise a 404 response code will be returned. You can try using commands like <code>nslookups</code> on the server for domain resolution. If you get IPs in the form of <code>10.\*.\*.\*</code>, <code>100.\*.\*.\*</code>, or <code>169.254.\*.\*</code>, private network access is generally possible.

#### Preparations

1. Create an application and a bucket.

Create a Pro application and a bucket in the VOD console. For detailed steps, refer to the Quick Start and Creating a Bucket documentation.

2. Get key pair.

Obtain the key pair AccessKeyId and SecretAccessKey from the key management of the Pro application. For detailed steps, refer to the Key Management documentation.

3. Preparing a server.

Prepare a Tencent Cloud server in the same region as the bucket, such as CVM, Lighthouse, TKE, etc.

### Accessing a bucket using the s3 sdk

The following introduces how to adapt in common programming languages to access the bucket of the Professional Version application through the private network.

Supposing the storage region is ap-guangzhou and the bucket ID is bucketid1, the code implementation for initializing the S3 client and obtaining object metadata in common languages is as follows:

GO

Java

C++

Python

```
import (
    "context"
    "errors"
    "fmt"
    "net/url"
    "os"
    "github.com/aws/aws-sdk-go-v2/aws"
    "github.com/aws/aws-sdk-go-v2/credentials"
    "github.com/aws/aws-sdk-go-v2/service/s3"
    smep "github.com/aws/smithy-go/endpoints"
    "github.com/aws/smithy-go/logging"
```

```
type customEndpointResolverV2 struct {
}
// ResolveEndpoint custom access point
func (r *customEndpointResolverV2) ResolveEndpoint(ctx context.Context,
        params s3.EndpointParameters) (smep.Endpoint, error) {
        if params.Bucket == nil || params.Region == nil {
                return smep.Endpoint{}, errors.New("invalid endpoint param")
        }
        return smep.Endpoint{
                URI: url.URL{
                        Scheme: "https",
                        Host: fmt.Sprintf("%s.vodsrc-internal.%s.eovod.com", *par
                },
        }, nil
}
func main() {
        // Initialize the client.
        s3cli := s3.New(s3.Options{
                Credentials: credentials.NewStaticCredentialsProvider(
                        "AccessKeyId",
                                         // Fill in the AccessKeyId from the key
                        "SecretAccessKey", // Fill in the SecretAccessKey from the
                        ""),
                EndpointResolverV2: new(customEndpointResolverV2),
                                                                           // Custom
                UsePathStyle:
                                    false,
                                                                           // reques
                                    logging.NewStandardLogger(os.Stdout), // Log to
                Logger:
                                    aws.LogRequest | aws.LogResponse,
                ClientLogMode:
                                                                          // Print
                Region:
                                    "ap-guangzhou",
                                                                           // Storag
        })
        // Get media file metadata
        _, _ = s3cli.HeadObject(context.TODO(), &s3.HeadObjectInput{
                Bucket: aws.String("bucketid1"), // Set the bucket to the storage
                     aws.String("a/b/c.jpeg"), // Path of the media file in the
                Kev:
        })
}
import software.amazon.awssdk.auth.credentials.AwsBasicCredentials;
import software.amazon.awssdk.auth.credentials.StaticCredentialsProvider;
import software.amazon.awssdk.services.s3.S3Client;
import software.amazon.awssdk.services.s3.model.HeadObjectRequest;
import software.amazon.awssdk.services.s3.model.HeadObjectResponse;
import java.net.URI;
```

```
public class Main {
    // Custom endpoint resolver
   public static void main(String[] args) {
        // Initialize the S3 client
        S3Client s3Client = S3Client.builder()
                .credentialsProvider(StaticCredentialsProvider.create(AwsBasicCrede
                        "AccessKeyId", // Fill in the AccessKeyId from the key p
                        "SecretAccessKey" // Fill in the SecretAccessKey from the k
                )))
                .endpointOverride(URI.create("https://vodsrc-internal.ap-guangzhou.
                .build();
        // Get media file metadata
        trv {
            HeadObjectRequest headObjectRequest = HeadObjectRequest.builder()
                    .bucket("bucketid1")
                                           // Set the bucket to the storage bucket
                    .key("a/b/c.jpeg")
                                            // Path of the media file in the bucket
                    .build();
            HeadObjectResponse headObjectResponse = s3Client.headObject(headObjectR
            System.out.println("Content Length: " + headObjectResponse.contentLengt
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
            s3Client.close();
        }
   }
}
#include <aws/core/Aws.h>
#include <aws/core/auth/AWSCredentials.h>
#include <aws/s3/S3Client.h>
#include <aws/s3/model/HeadObjectRequest.h>
#include <iostream>
#include <string>
int main() {
    // Initialize the AWS SDK
   const Aws::SDKOptions options;
   InitAPI(options);
    // custom access domain
   Aws::Client::ClientConfiguration clientConfig;
   clientConfig.scheme = Aws::Http::Scheme::HTTPS;
   clientConfig.endpointOverride = "vodsrc-internal.ap-guangzhou.eovod.com";
    // Create an S3 client
    const Aws::S3::S3Client s3Client(
```

```
Aws::Auth::AWSCredentials(
            "AccessKeyId", // Fill in the AccessKeyId from the key pair
            "SecretAccessKey" // Fill in the SecretAccessKey from the key pair
        ),
        nullptr, clientConfig);
    // Create HeadObject request
    Aws::S3::Model::HeadObjectRequest request;
    request.SetBucket("bucketid1"); // Set the bucket to the storage bucket ID in t
    request.SetKey("a/b/c.jpeg"); // Path of the media file in the bucket
    // Send the request.
    auto outcome = s3Client.HeadObject(request);
    if (outcome.IsSuccess()) {
        std::cout << "Head object succeeded!" << std::endl;</pre>
        const auto &object = outcome.GetResult();
        std::cout << "Content Length: " << object.GetContentLength() << std::endl;</pre>
    } else {
        const auto error = outcome.GetError();
        std::cout << "Error: " << error.GetMessage() << std::endl;</pre>
    // Clean up the AWS SDK
   Aws::ShutdownAPI(options);
    return 0;
}
import boto3
from botocore.config import Config
from botocore.exceptions import ClientError
# Create an S3 client
s3 client = boto3.client(
   's3',
   aws_access_key_id='AccessKeyId',
                                                                     # Fill in the Ac
                                                                     # Fill in the Se
   aws_secret_access_key='SecretAccessKey',
    endpoint_url='https://vodsrc-internal.ap-guangzhou.eovod.com', # Custom access
)
try:
    # Get media file metadata
    response = s3_client.head_object(
        Bucket="bucketid1", # Set the bucket to the storage bucket ID in the VOD pr
        Key="a/b/c.jpeg" // Path of the media file in the bucket
    )
   print(response)
except ClientError as e:
   print(f"Error: {e}")
```



# EdgeOne Acceleration Domain Name

Professional applications support using Tencent Cloud EdgeOne to accelerate the distribution of media content. Customers can configure the origin server of the domain name in EdgeOne as the VOD professional application, enabling the use of a custom domain name to quickly download or play media files through EdgeOne's powerful Secure Content Delivery Network.

For instructions on adding an acceleration domain name for Professional Version applications in EdgeOne, refer to the EdgeOne documentation VOD Origin Server Guide and Adding A Domain Name for Acceleration.