

VOD on EdgeOne

Console Guide

Product Documentation



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Console Guide

Application Management

Last updated : 2024-01-30 16:32:31

What is an application?

An application is a method of resource allocation in VOD on EO. Resources and functional configurations are completely isolated between different applications, including media files, domain names, data statistics, configurations, etc. All capabilities of VOD on EO are provided based on the "application" service.

Applicable scenarios for the application:

Scenarios	Note
Isolation of Multiple Departments/Businesses	A certain enterprise develops its products based on Tencent Cloud. Department A needs to use VOD on EO to develop a short video app, while Department B uses it to develop a film and television website. These two on-demand services need to be isolated from each other. However, for financial management reasons, the enterprise cannot open separate Tencent Cloud accounts for Departments A and B. In this case, the application feature of VOD on EO can be used to allocate an application to each of Departments A and B.
Access Control	In the above scenarios of isolating multiple departments/businesses, developers may have further access control requirements. For instance, each department should only be able to access the sub-applications associated with its own business and not have access to other sub-applications. In this case, the account manager can assign a sub-user to Departments A and B respectively, and grant them the corresponding access rights to the applications of VOD on EO.
Distinguishing Between Formal and Testing Environments	If developers wish to test certain features of VOD on EO, but are concerned about affecting online operations (such as modifying event notification methods), they can open an application for the production environment and an application for the test environment respectively. New features can first be validated in the testing environment, and once confirmed to be error-free, the online environment can be updated.

Capabilities of the Application:

Resource Isolation: Resources of VOD on EO are mutually isolated between different applications.

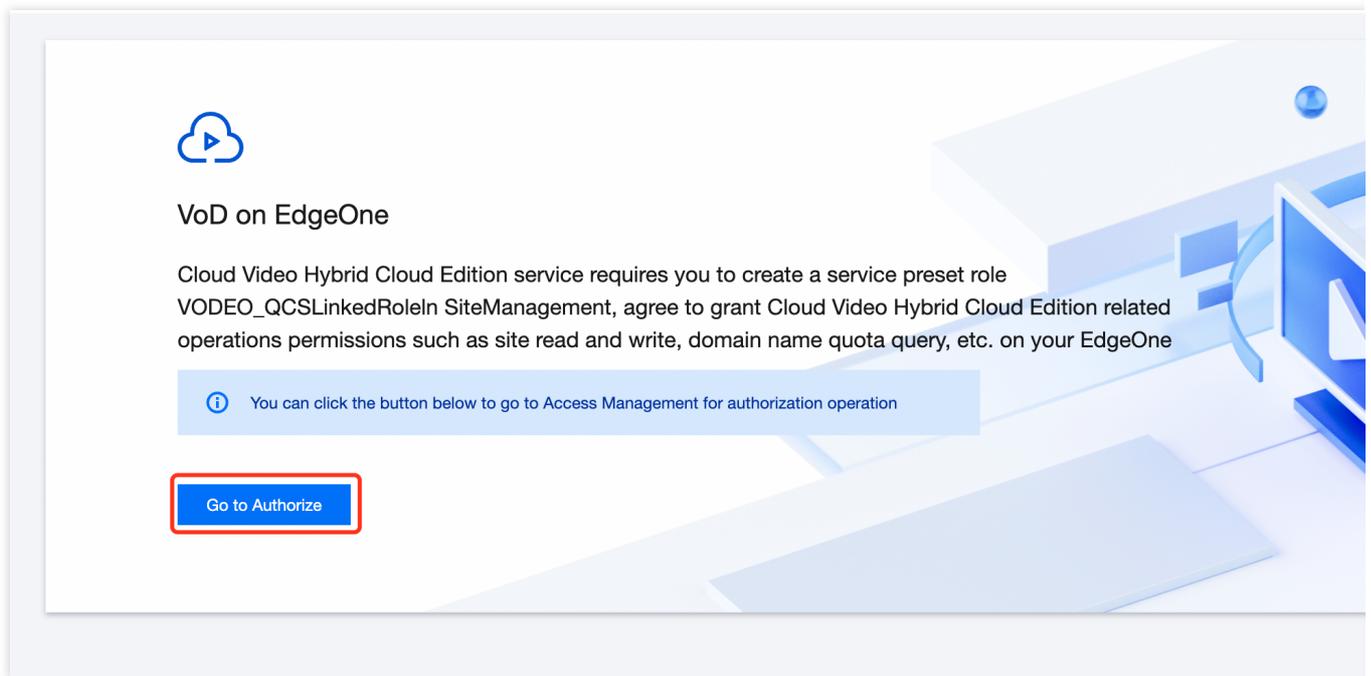
Data Statistics: Individual data statistics, including bandwidth/traffic and playback data, are generated for each application.

Limitations of the Application:

It does not support setting individual billing logic for applications (such as setting billing methods, generating separate bills, purchasing dedicated resource packages, etc.). All applications under one VOD on EO account belong to the same account. The usage of all applications (including but not limited to storage, traffic, transcoding duration, and other VOD on EO billing items) will be calculated collectively and charged uniformly.

Creating an application

1. Navigate to the VOD on EO [Console](#), then click **Go to Authorize**.



2. On the application creation page, fill in the application name (within 40 characters).
3. Enter the Access key ID and Secret access key created in Step One, along with the bucket information retrieved in Step Two. Select the corresponding region for the bucket, then click **Create** to complete the application creation.

Create Application

1 Application Basic Information

Application Name *
Application name cannot exceed 40 characters

2 Bind storage bucket

Storage service provider * Tencent Cloud COS Amazon Simple Storage Service

After creating the application, you can continue to add buckets

Account Information *

AccessKey *
 SecretKey *

[Storage Managed Authorization Information](#)

Select storage bucket *

Region * us-east-1(Northern Virginia)

Bucket Name *

3 Default site check ⓘ

Default site is in available status, can directly create application

Modifying an application

1. Navigate to Console > [Application Management](#), then click the modify button next to the application name.

Tencent Cloud Overview Products ▾ CDN Tencent Cloud EdgeOne +

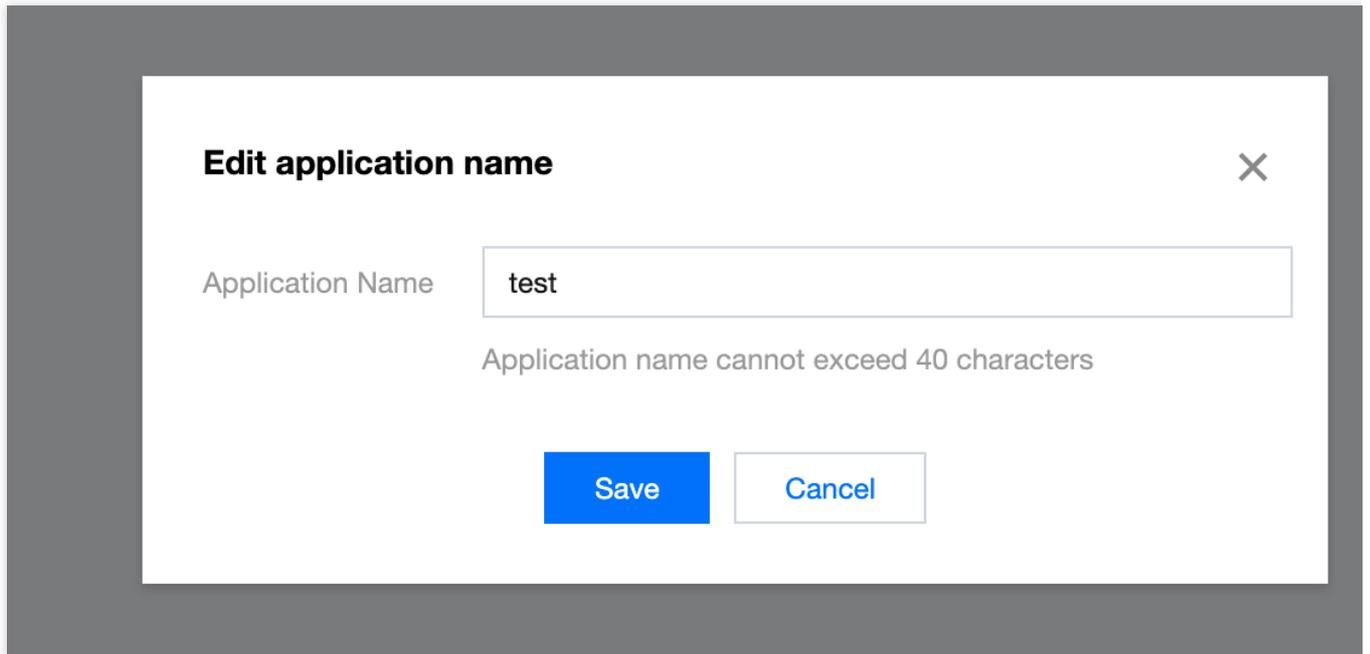
VOD on EdgeOne

- Service Overview
- Application Management**
- Data Statistics

Application Name	Application ID	State ▾
test <input type="button" value="✎"/>	17621864255	<input checked="" type="checkbox"/> Enat

Total items: 1

2. In the name modification pop-up window, input the new application name (within 40 characters), then click **Save** to complete the application modification.



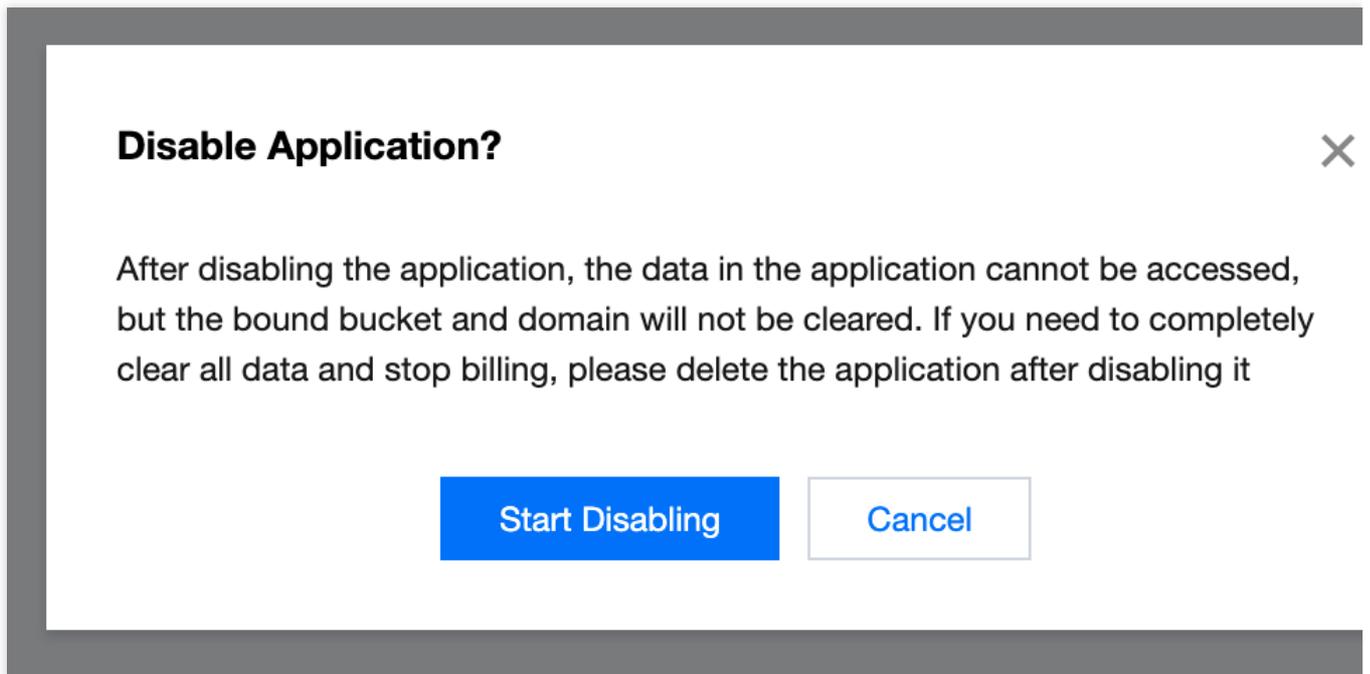
Disabling an application

For applications in use, it is possible to disable them. However, disabling an application does not result in data being cleared.

1. Navigate to Console > [Application Management](#), then click **Disable**.

Application Name	Application ID	State	Create Time	Operation
test	17621864255	Enabled	2023-12-06 14:31:31	Enter Application Disable

2. In the confirmation pop-up window, click **Start Disabling** to disable the application.



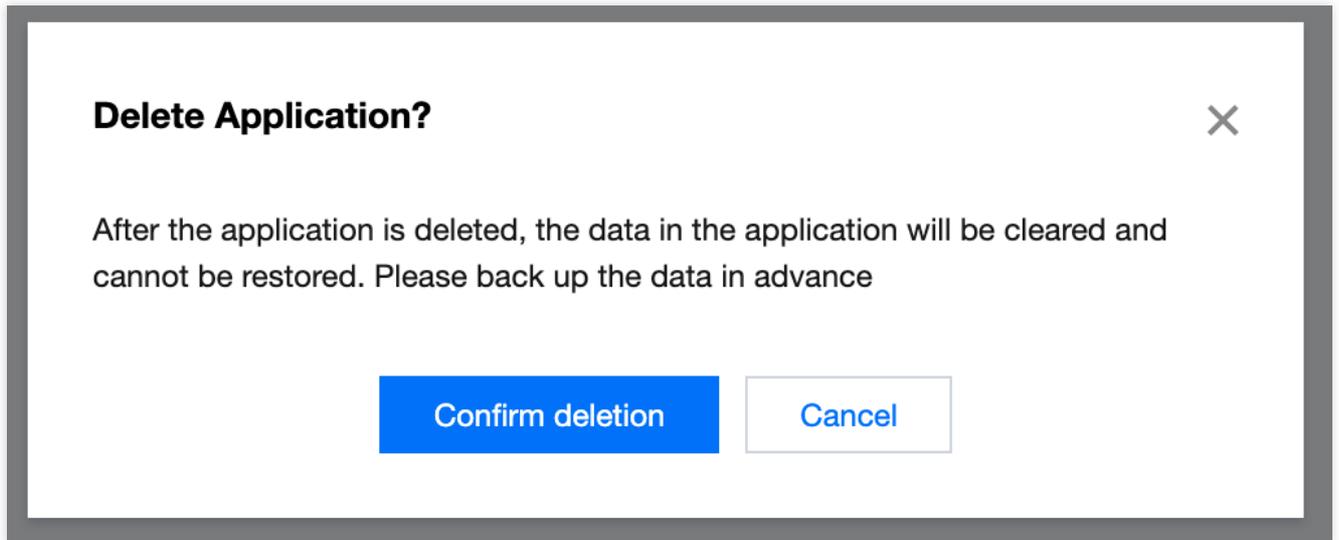
Deleting an application

When an application is disabled, it can be deleted. After deletion, the associated bucket will be unbound, and any added domain names will be removed. This action is irreversible.

1. Navigate to Console > [Application Management](#), then click **Delete**.

Application Name	Application ID	State	Create Time	Operation
test	17621864255	Disabled	2023-12-06 14:31:31	Enter Application Enable Delete

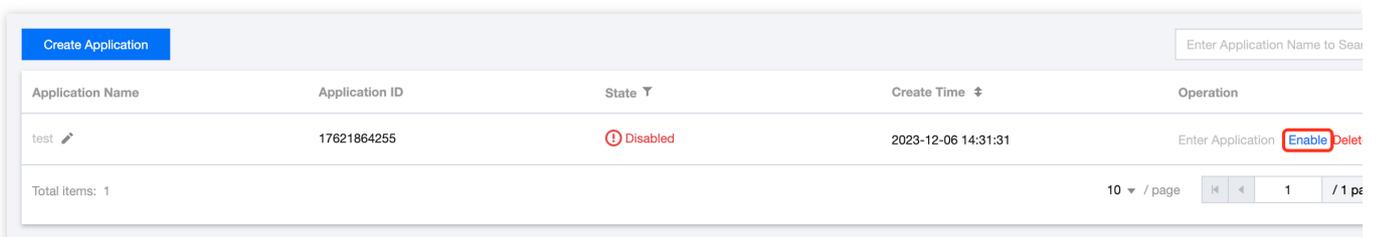
2. In the confirmation pop-up window, click **Confirm deletion** to permanently delete the application.



Enabling an application

When an application is disabled, it can be reactivated.

1. Navigate to Console > [Application Management](#), then click **Enable** button to reactivate an application that is disabled.



Application Name	Application ID	State	Create Time	Operation
test <small>✎</small>	17621864255	⏸ Disabled	2023-12-06 14:31:31	Enter Application Enable Delete

Total items: 1 10 / page 1 / 1 page

Upload Acceleration

Last updated : 2024-01-30 16:32:44

Feature Overview

The upload acceleration feature, based on Tencent Cloud's globally deployed acceleration network, intelligently selects the optimal link to enhance the upload speed. Concurrently, it supports the use of the QUIC protocol for data transmission, improving the stability of data transfer in weak network conditions.

Upload acceleration provides a superior quality upload service through the following measures:

Measure	Note
Receiving data from the nearest edge node	It utilizes globally deployed edge nodes to receive upload requests from terminals in close proximity.
Intelligent acceleration network	Leveraging Tencent Cloud's acceleration network, it intelligently selects the optimal link to transmit data to the storage center.
Supports QUIC protocol transmission	The QUIC protocol, with features such as multiplexing and connection migration, offers higher data transmission efficiency and greater stability in weak network environments.

Scenarios

Scenario	Note
Long-distance data upload	Some end-users experience poor upload quality due to their considerable distance from the video-on-demand storage center, such as scenarios involving cross-regional or transoceanic uploads. By using client-side upload acceleration, requests from users are received via Tencent Cloud's nearest edge nodes, and data transmission is carried out through the accelerated network, significantly enhancing upload quality.
Data upload in weak network conditions	Mobile users often experience unstable network connections and high packet loss rates due to frequent network switching or being in areas with weak base station signals. Upload acceleration supports the use of the QUIC protocol, making data transmission more stable in weak network environments.
General data upload	Non-accelerated channels use HTTP1.1 for data transmission, which can easily reach performance bottlenecks when uploading large amounts of data. Upload acceleration can use the QUIC protocol for data upload, supporting features such as multiplexing and 0-RTT, thus enhancing transmission efficiency.

Instructions

VOD on EO has automatically enabled the upload acceleration service for you. Please use the upload SDK directly for file upload acceleration. For more details, please refer to [Upload Acceleration](#).

Adding A Domain Name for Acceleratio

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This document introduces the process of adding your business domain into VOD on EO.

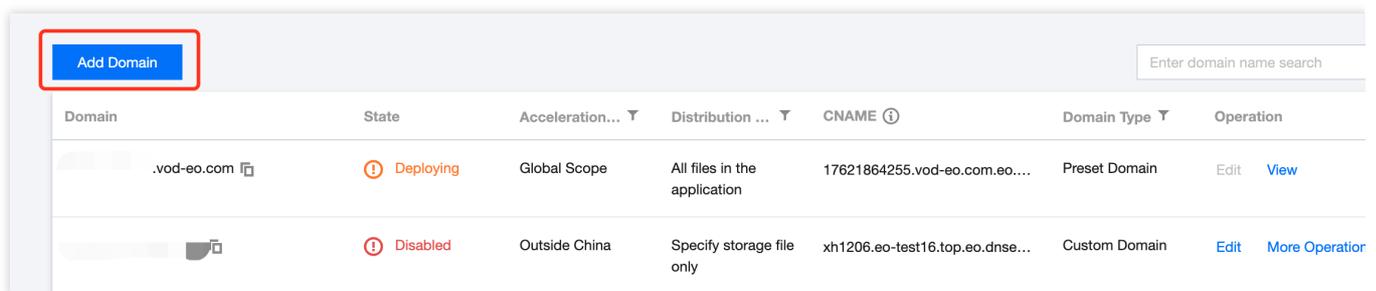
Prerequisites

You have successfully applied for the VOD on EO service. For details, please refer to [Purchase Methods](#).

You have already accessed your site, such as `example.com`. If you wish to accelerate in the Chinese mainland availability zone or global availability zone, please file your domain name first. For more information, please refer to the [Filing Guide](#).

Steps

1. Log in the [VOD on EO](#) console, and click **Application Management** in the left navigation bar to access the application list page.
2. Locate the application that requires configuration, and click the application name to enter the application management page.
3. Select **Domain Name Management** from the left navigation bar, then click **Add Domain**.



4. Adding a domain requires an available EdgeOne site. If you have not yet added an EdgeOne site, click **Add a new site** to be redirected to the EdgeOne console to add a site. For guidance on how to add a site, please refer to [Quick Start](#).

Add Domain [Close]

1 Domain Basic Configuration > **2 Go to EdgeOne to complete domain name addition**

EO Site * [Add a new site](#)

Domain *

Distribution Scope * All files in the application Specify Storage Files

5. After selecting the EO site, continue by entering the domain address that needs to be added.

6. Choose the distribution scope for this domain. You can either apply it to all files within the application, or only to files in a specified bucket. If you choose to apply it only to files in a specified bucket, you will need to further select the specific bucket.

Add Domain [Close]

1 Domain Basic Configuration > **2 Go to EdgeOne to complete domain name addition**

EO Site * [Add a new site](#)

Domain *

Distribution Scope * All files in the application Specify Storage Files

Distribution storage bucket *

7. Click **Next step** to proceed to EdgeOne for further configuration. Simultaneously, the domain in VOD on EO will be synchronized and creation will be completed.

Storage Management

Last updated : 2024-01-30 16:33:14

Feature Overview

VOD on EO supports the addition of third-party storage authorization to applications. Once the third-party storage authorization is added, you can utilize services such as upload acceleration, media processing, and accelerated distribution provided by VOD on EO.

Scenarios

If your business utilizes multiple cloud storage providers, but you desire a unified service for upload acceleration, media processing, or accelerated distribution across these providers, it is recommended to authorize third-party buckets to VOD on EO for consolidated management.

Prerequisites

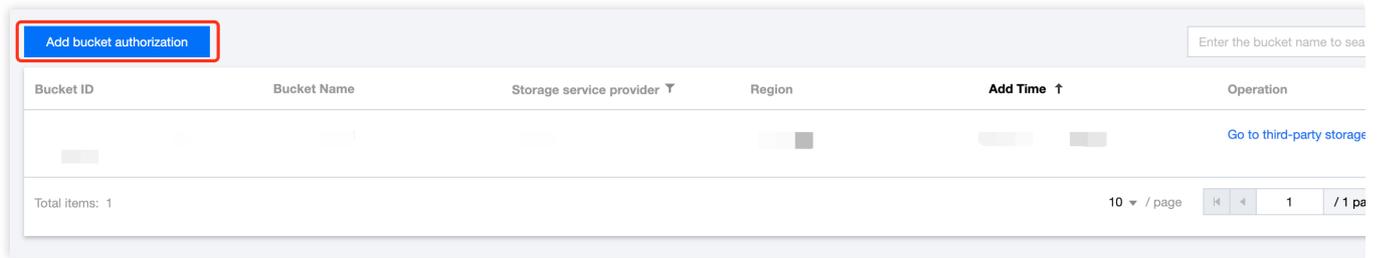
The VOD on EO service has been activated. [Activate Now](#).

A VOD on EO application has been created. Proceed to create the application.

You have activated AWS's [S3](#) storage service and prepared a usable AWS S3 bucket.

Steps

1. Log in the [VOD on EO Console](#), and click **Application Management** in the left navigation bar to access the application list page.
2. Locate the application that requires the addition of a bucket, and click the application name to enter the application management page.
3. Select **Storage Management** from the left navigation bar, then click **Add bucket authorization**.



The screenshot displays the 'Add bucket authorization' interface in the Tencent Cloud console. A blue button labeled 'Add bucket authorization' is highlighted with a red rectangular box. Below the button is a table with the following columns: 'Bucket ID', 'Bucket Name', 'Storage service provider' (with a dropdown arrow), 'Region', 'Add Time' (with an upward arrow), and 'Operation'. The table is currently empty. To the right of the table, there is a search input field with the placeholder text 'Enter the bucket name to sea'. At the bottom left of the table area, it says 'Total items: 1'. At the bottom right, there is a pagination control showing '10 / page' and a page number '1 / 1 pa'.

4. Select the storage service provider you wish to add, supporting both Tencent Cloud COS and AWS S3 storage.
5. After entering the bucket information, click **Add** to complete the addition of the bucket.

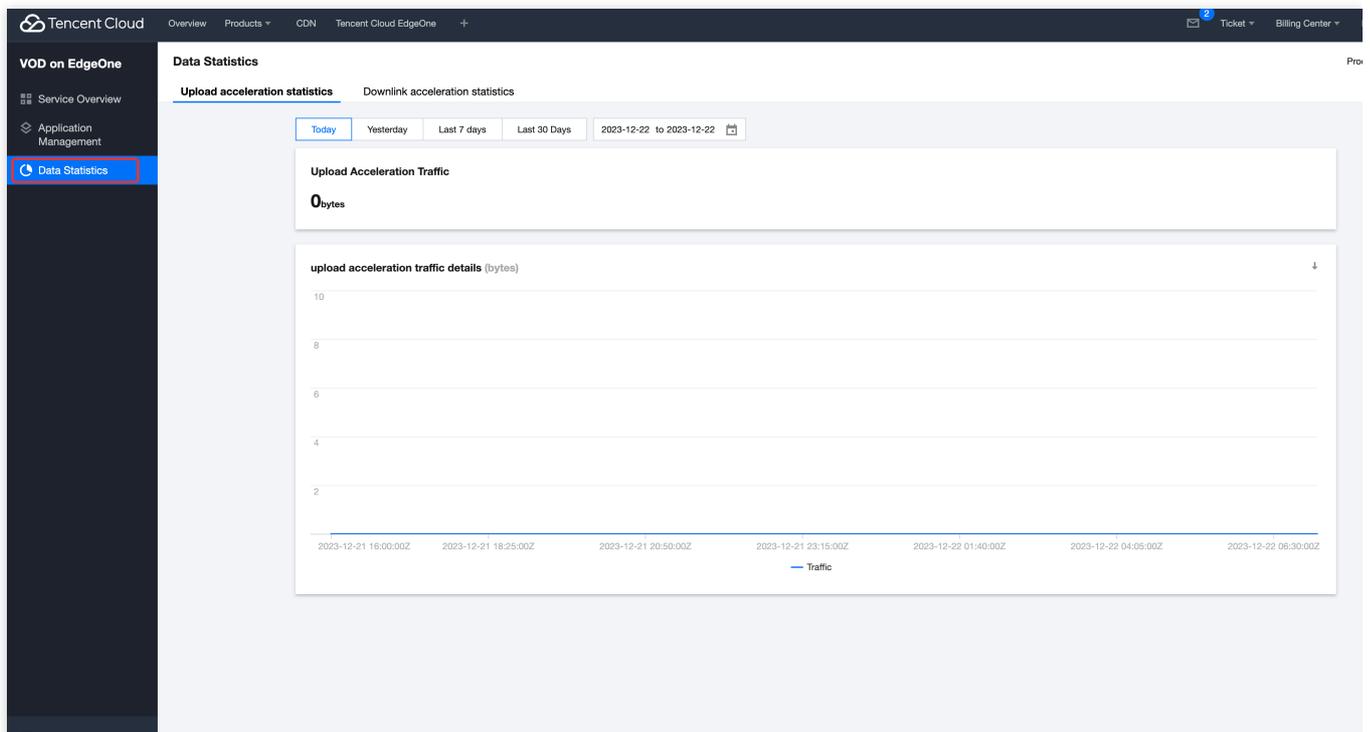
Data Analysis

Last updated : 2024-01-30 16:33:27

This guide will guide you on how to view the upload acceleration and downstream traffic statistics of VOD on EO.

Steps

1. Log in the [VOD on EO](#) console, and click **Data Statistics** in the left navigation bar to access the data statistics page.
2. Data Statistics provides both media upload acceleration statistics and media accelerated distribution statistics. The **Upload acceleration statistics** tab is displayed by default.



Upload Acceleration Statistics

The time dimensions for upload acceleration statistics include today, yesterday, the past 7 days, the past 30 days, and any custom period within the past 6 months.

The data overview metric is Total Upload Acceleration Traffic (B).

Graphically display the details of upload acceleration statistics.

There is approximately a one-hour delay in the upload acceleration statistical data.

Downstream Traffic Statistics

The time dimensions for bandwidth/traffic statistics include today, yesterday, the past 7 days, the past 30 days, and any custom period within the past 6 months. In addition to time dimensions, bandwidth/traffic statistical data can also be filtered and calculated based on dimensions such as domain, region, and ISP.

The data overview metrics include Peak Bandwidth (bps), Total Traffic (B), and Total QUIC Requests (times) for the corresponding filter conditions and periods.

Graphically display the details of bandwidth usage and traffic usage.

There is approximately a 10-minute delay in the bandwidth/traffic statistical data.