

Cloud Object Storage

Getting Started

Product Documentation



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Getting Started

Register and Login

Last updated : 2019-08-06 11:15:09

Getting Started Flowchart

This page shows you how to use Tencent Cloud Console to quickly grasp COS basic features. See the flowchart below:



Tencent Cloud Account Sign-up

You need to sign up for a Tencent Cloud account to access Tencent Cloud services. To sign up, go to [Tencent Cloud sign-up page](#).

Sign In to the COS Console

After signing up for a Tencent Cloud account, sign in to the [COS Console](#).

Creating a Bucket

Last updated : 2019-09-12 17:45:37

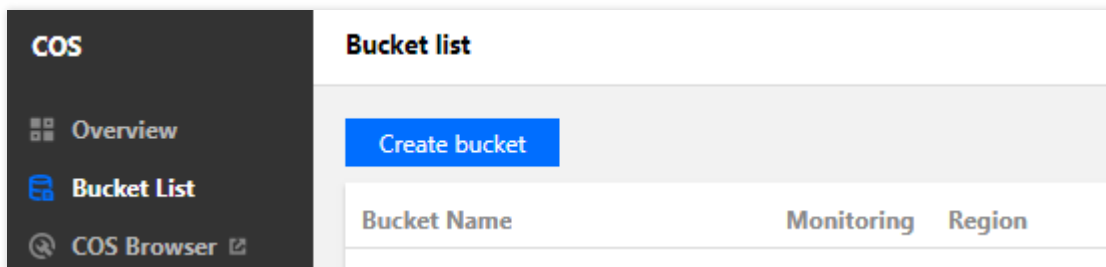
Overview

You can create buckets on the Bucket List page on the COS Console. For more information on buckets, see [Bucket Overview](#).

A maximum of 200 buckets can be created under a single account regardless of region.

Directions

1. Log in to the [COS Console](#).
2. On the left sidebar, click **Bucket List** to enter the bucket list, and then click **Create Bucket**.



3. In the **Create Bucket** dialog box, configure the information as follows:
 - **Name:** Enter a custom bucket name, which is non-modifiable once being configured. For information on naming, see [Naming Conventions](#).
 - **Region:** Select the COS region where your business is operated mostly or most of your users reside. It is non-modifiable once being configured. For more information on regions, see [Regions and Endpoints](#).
 - **Access Permission:** Three access permissions for buckets are available by default: "Private Read/Write", "Public Read/Private Write" and "Public Read/Write". The permission is modifiable after being configured. For more information, see [Bucket Access Permissions](#).
 - **Bucket Tag:** Bucket tags are used to identify and group buckets for an easier management. For more information, see [Setting Bucket Tags](#).

Create Bucket ✕

Name -1250000000 ⓘ ✓
Only support lowercase letters, numbers and "-". Up to 50 characters.

Region
Services within the same region can be accessed through private network

Access Permissions Private (read-write) Public read & Private write Public (read-write)
Identity verification is required before accessing objects.

Endpoint
Request endpoint

Bucket Tag +

4. Verify that all the information entered is correct, and then click **OK** to create a bucket. In the Bucket List page, you can see the bucket you just created.

Bucket Name	Monitoring	Region
examplebucket-1250000000	📊	Chengdu (China) (ap-chengdu)

Deleting Buckets

Last updated : 2019-03-22 18:10:24

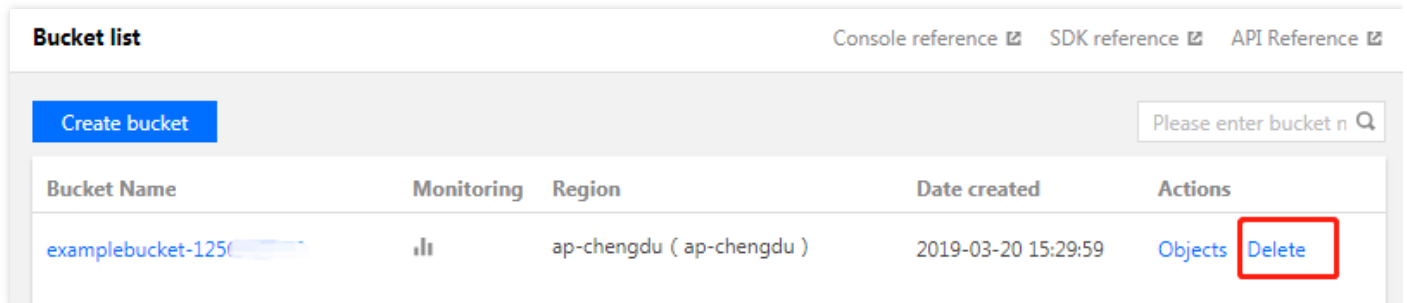
Overview

You can delete buckets on the Bucket List page on the COS console. For more information on buckets, see [Bucket Overview](#).

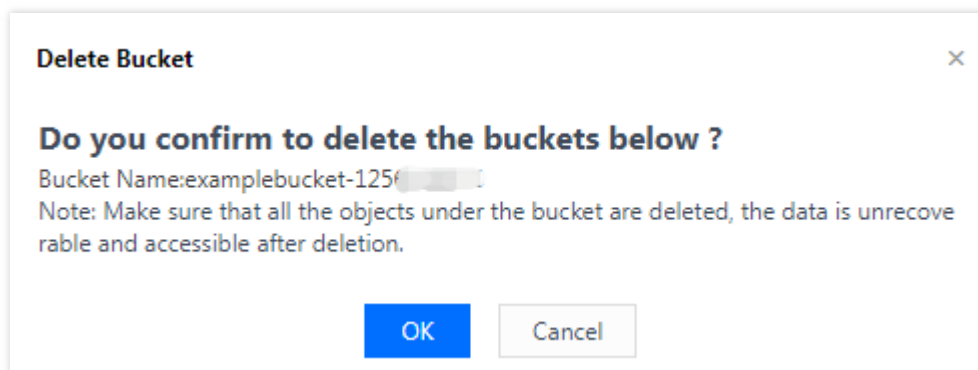
To delete a bucket, first make sure to delete all objects in the bucket and all fragments in **Incomplete Upload**.

Directions

1. Log in to the [COS console](#), click **Bucket List** to enter the bucket detail page and then click **Delete** on the right of the target bucket.



2. In the Delete Bucket confirmation popup box, click **OK** to delete the bucket.



Uploading Objects

Last updated : 2019-09-12 17:45:59

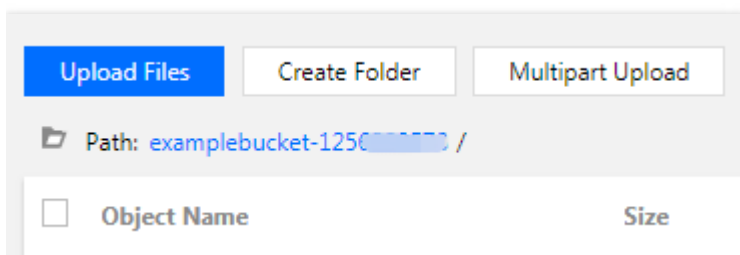
Overview

You can upload objects on the **Objects** page of buckets via COS Console. For more information on objects, see [Object Overview](#).

Directions

1. Entering the Objects

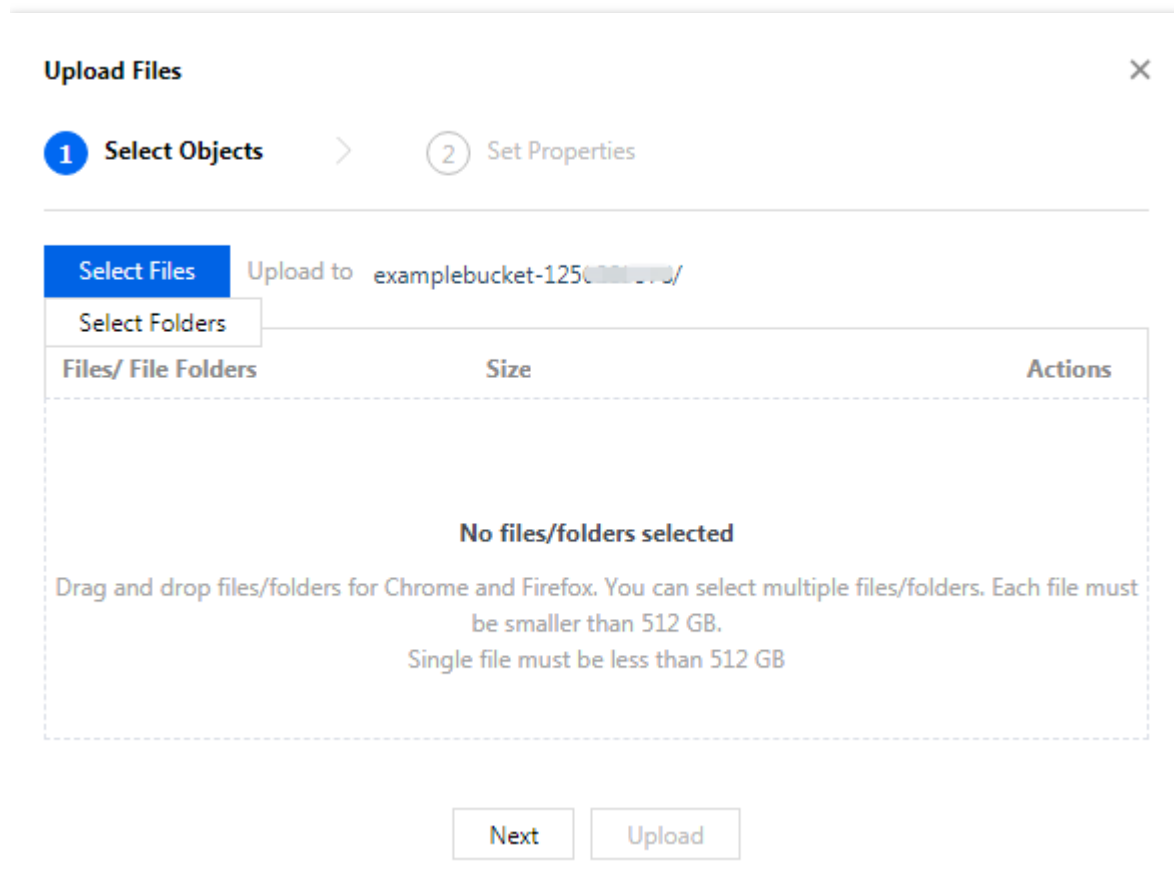
Log in to the [COS Console](#). Click **Bucket List**, and select the bucket to store objects to enter the bucket's **Objects** page. Click **Upload Files** and the **Upload Files** window pops up as shown below.



2. Selecting the Object(s) to Upload

On the **Upload Files** page, click **Select Files** or **Select Folders** to upload a single or multiple local files/folders. After selecting the objects to upload locally, click **Upload** to upload the objects, or click **Next**

to set the object attributes before upload (see Step 3).



3. Setting Object Attributes (Optional)

Set the storage class, access permissions, server-side encryption and metadata (optional) for the files to upload, and then click **Upload**. The configuration items are described as follows:

- **Storage Class**
You can set a storage class for each object based on the use case. The default storage class is COS Standard. For more information on storage classes, see [Storage Classes](#).
- **Access Permissions**
You can set access permissions for each object as needed. Default is "Inherit Permissions" (inherit permissions from bucket). For more information on access permissions, see [Basic Concepts of Access Control](#).
- **Server-side Encryption**
You can configure server-side encryption for the objects you want to upload. Tencent Cloud COS will apply data encryption protection to the uploaded objects, so as to automatically encrypt data before it is written, and automatically decrypt the data when you access it. Tencent Cloud COS supports AES-256 encryption of data using the master key. For more information, see [Server-side Encryption Overview](#).

- Metadata

The object metadata, or HTTP Header, is a string sent by the server over HTTP protocol before it sends HTML data to browser. By modifying the HTTP Header, you can change the response form of the page or communicate configuration information, such as modifying the caching time. Modifying an object's HTTP Header does not modify the object itself. For more information, see [Custom Object Headers](#). After an object is uploaded successfully, the system automatically refreshes the list to get the latest object information, as shown below.

Upload Files ✕

✓ Select Objects > 2 Set Properties

Properties Setting will be applied to all the objects to be uploaded, you can also upload directly and then modify the file in list page.

Storage Class

Standard Storage
It is suitable for business scenarios such as real-time access to a large number of hot files and frequent data interaction. Supported in all regions.

Standard_IA Storage
It is suitable for business scenarios with low access frequency (e.g., average access frequency is 1 to 2 times per month). Supported in all regions.

Archive Storage
It is suitable for business scenarios with very low access frequency (e.g., once every six months). Since real-time response is not supported, if you want to retrieve the archived data, please apply in advance.

Access Permissions Inherit Private (read-write) Public read & Private write

Server-Side Encryption None SSE-COS ⓘ

Metadata

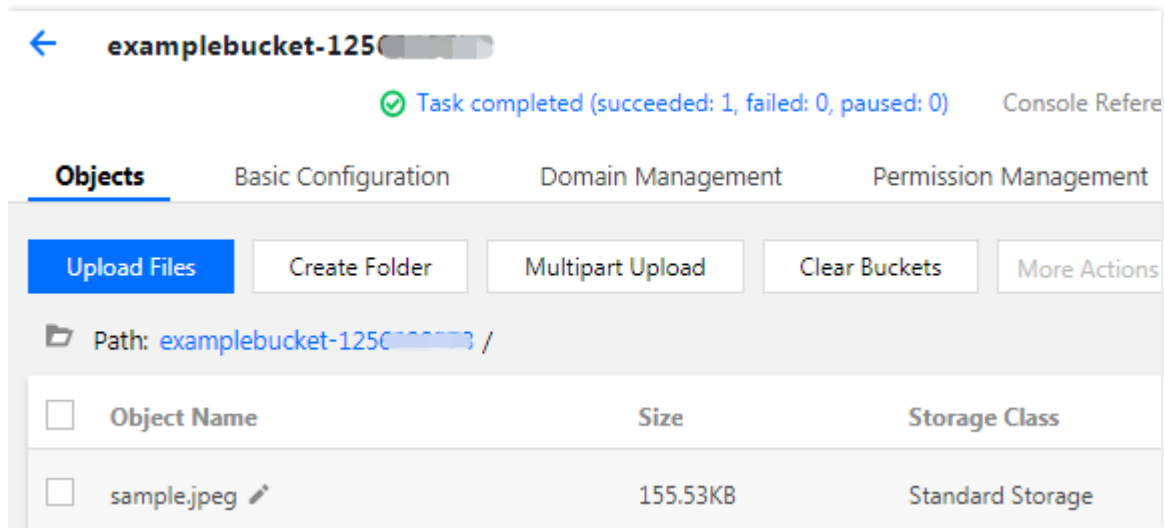
Parameter	Value	Actions
Select Project ▼	Value	Delete
Add Parameters		

Previous
Upload


Some browsers do not support uploading multiple files. It is recommended to use mainstream browsers such as IE10 or above, Firefox, or Chrome.

4. Verifying the Completion of Upload

After clicking **Upload**, you can check the upload progress in **Task completed** in the top right of the page. After the upload is completed, you can see the uploaded object in the **Objects** page of the bucket.



The screenshot displays the Tencent Cloud Cloud Object Storage console interface for a bucket named 'examplebucket-1250000000'. At the top, a green checkmark indicates 'Task completed (succeeded: 1, failed: 0, paused: 0)'. Below this, there are navigation tabs for 'Objects', 'Basic Configuration', 'Domain Management', and 'Permission Management'. The 'Objects' tab is active, showing a toolbar with buttons for 'Upload Files', 'Create Folder', 'Multipart Upload', 'Clear Buckets', and 'More Actions'. The current path is 'examplebucket-1250000000 /'. A table lists the objects in the bucket:

<input type="checkbox"/>	Object Name	Size	Storage Class
<input type="checkbox"/>	sample.jpeg 	155.53KB	Standard Storage

Downloading Objects

Last updated : 2019-03-22 18:10:54

Overview

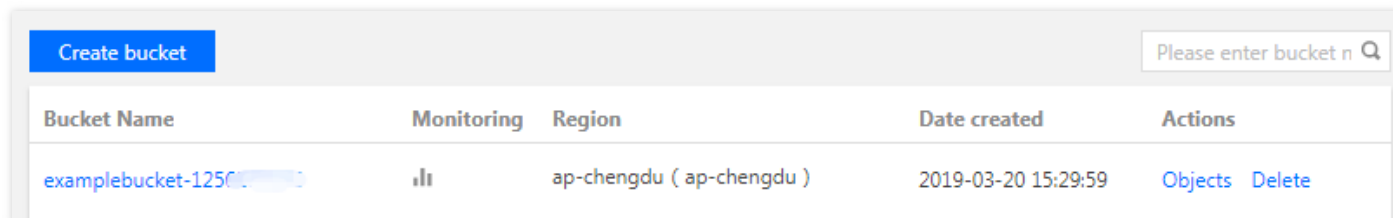
You can download or access objects already uploaded to a bucket via their access addresses.

Note:

At present, object storage only supports the downloading of single objects, and does not support the bulk downloading of objects.

Procedure

1. Log in to the [COS Console](#), click **Bucket List**, and then click the desired bucket name or the **File List** button on the right to go to the bucket's file list.



Bucket Name	Monitoring	Region	Date created	Actions
examplebucket-1250...		ap-chengdu (ap-chengdu)	2019-03-20 15:29:59	Objects Delete

2. Locate the object you want to download in the file list, and then click the **Download** button to download the object directly, or click the **Details** button on the right to go to the File Details page to

get the download link.

The screenshot shows the Tencent Cloud COS console interface. At the top, there's a navigation bar with 'examplebucket-125...' and 'Upload complete(2/2)'. Below that, there are tabs for 'Objects', 'Basic Configuration', 'Permissions', and 'Incomplete Upload'. The 'Objects' tab is active, showing a list of objects. The selected object is 'exampleobject.txt', which has a size of 500.00KB and is stored in 'Standard Storage'. The 'Actions' column for this object includes 'Download', 'Details', and 'Delete'.

Object name	Size	Storage class	Last modified	Actions
doc/	-	-	-	Permissions Delete
exampleobject.txt	500.00KB	Standard Storage	2019-03-21 12:05:...	Download Details Delete

- You can view the file link in the file details box. To download the file, click the download icon directly, or click the copy icon to copy the link and paste it to the browser's address bar.

The screenshot shows the 'Basic information' section for the selected object 'exampleobject.txt'. The 'Object link' is displayed as 'https://examplebucket-125...cos.ap-chengdu.myqcloud.com/exampleobject.txt'. Below the link, there are buttons for 'Copy link', 'Download Object', and 'Refresh'. A note indicates that the link contains signature parameters and is valid until 2019-03-21 13:03:28.

Basic information	
Object Name	exampleobject.txt
Size	500.00KB
Last Modified	2019-03-21 12:05:51
ETag	"c939165a4566ac3eba011f641e94c519"
Object link	https://examplebucket-125...cos.ap-chengdu.myqcloud.com/exampleobject.txt
Signed URI	Copy link Download Object Refresh

This link contains the signature parameters, and the signature is valid until 2019-03-21 13:03:28

Note:

- If the bucket of the object is assigned an attribute of "private-read-write", an automatically-generated signature will be appended to the copied address as a suffix. For more information on how to generate the signature, see [Request signature](#).

- A link with a signature is valid within 30 minutes after viewing the object details, or the validity period of the signature can be refreshed through the refresh validity button.

Deleting Objects

Last updated : 2019-03-22 18:11:02

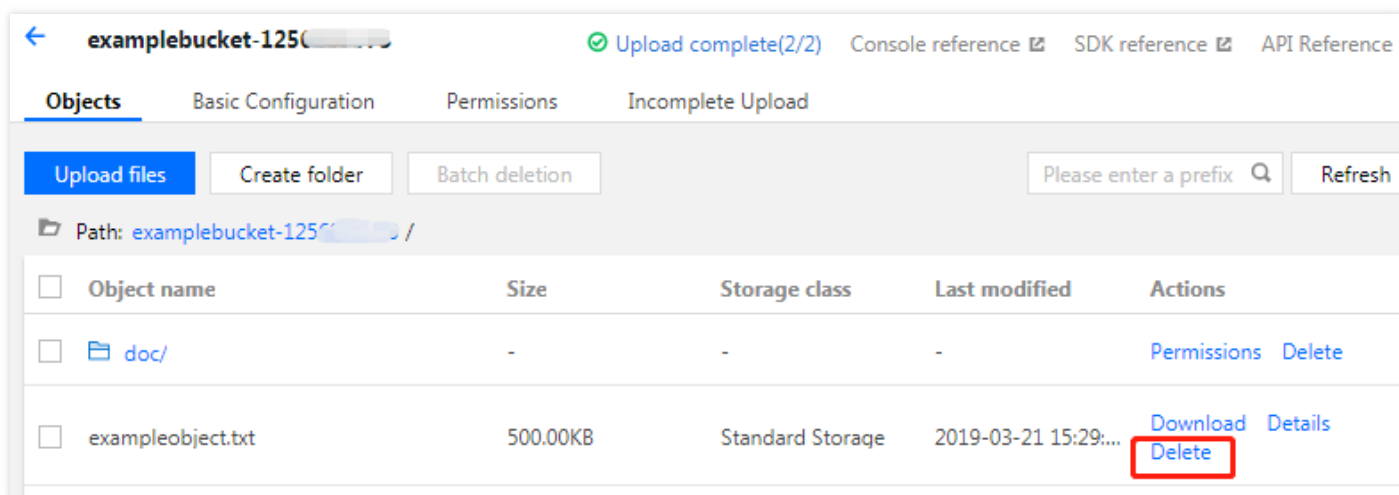
Overview

You can delete a single object or multiple objects uploaded to a bucket via the COS Console.

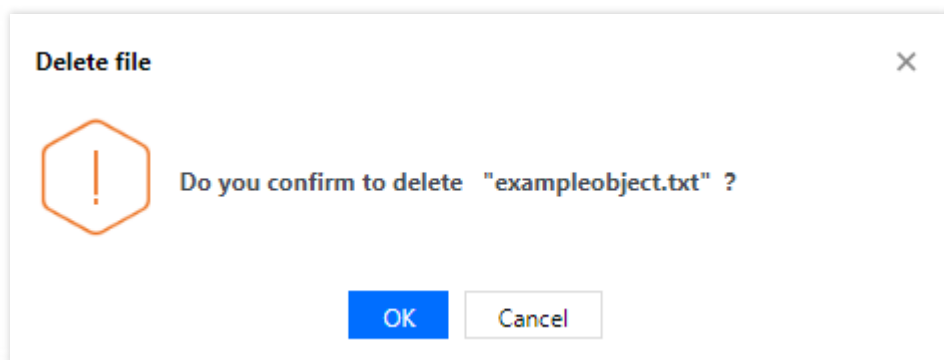
Deleting a Single Object

Procedure

1. Log in to the COS Console, enter the appropriate bucket, then select the object to be deleted, and click **Delete**. The **Delete File** dialog box pops up.



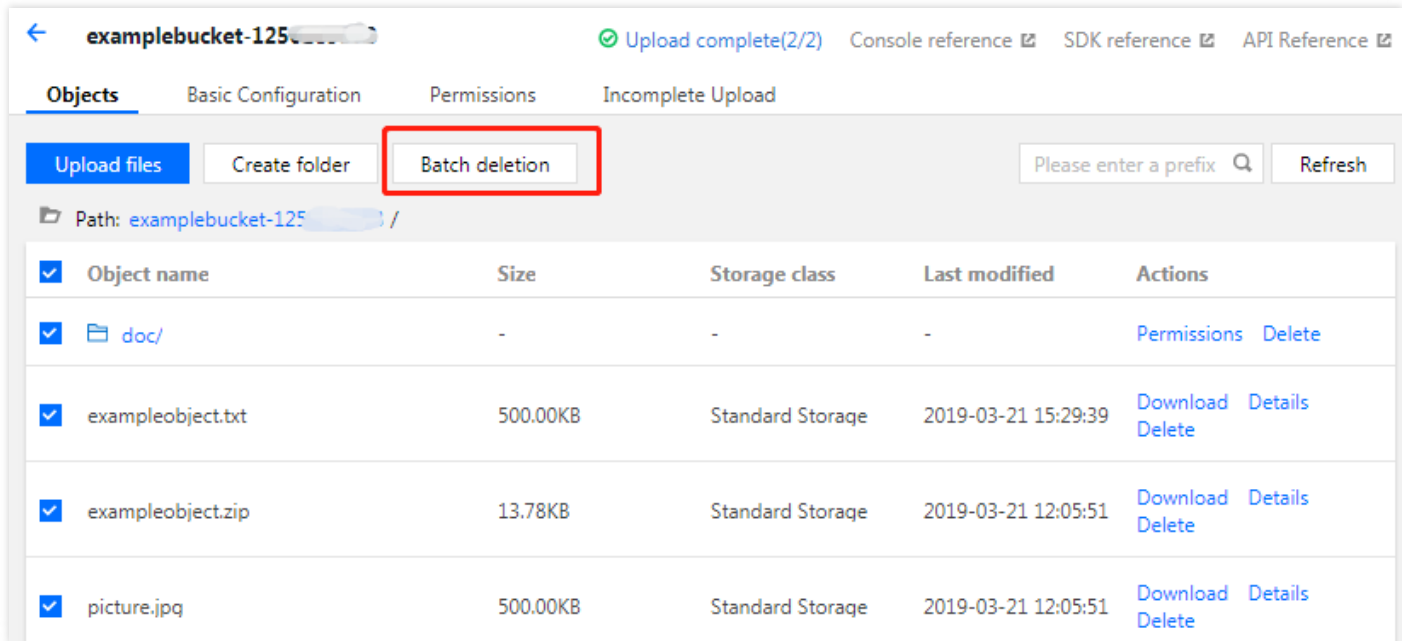
2. Click **OK** to delete the object.



Deleting Multiple Objects

Procedure

1. Select the objects to be deleted in the COS Console, and click **Delete in Batch**. The **Delete File** dialog box pops up.



2. Click **OK** to delete the objects in batch.

