

Cloud Infinite

Getting Started

Product Documentation



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Getting Started

Registering and Logging In

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Signing Up for a Tencent Cloud Account

When using Tencent Cloud CI for the first time, you need to sign up for a Tencent Cloud account.

If you already have a Tencent Cloud account, proceed to [Logging in to CI Console](#).

If you have no Tencent Cloud account yet, go to the [Tencent Cloud registration page](#) to create one. For detailed instructions, see [Signing Up for a Tencent Cloud Account](#).

Logging In to CI Console

After completing the registration, log in to [CI Console](#).

Bind Bucket

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CI provides the storage feature based on [Cloud Object Storage \(COS\)](#). A bucket is a carrier that stores images in COS. You can use the Tencent Cloud console, API, or SDK to create and manage buckets. A bucket can store multiple objects.

Directions

You can bind or create a bucket in the CI console and customize it after the creation.

1. Log in to the [CI console](#) and click **Bucket Management** in the left sidebar to go to the **Bucket Management** page.
2. Click **Bind Bucket**. The **Bind Bucket** dialog box appears.
3. Select **Bind an existing COS bucket** or **Create**.

If you select **Bind an existing COS bucket**, specify the bucket name.

If you select **Create**, enter a custom name for the bucket, select a region and access permission, and set whether to enable CDN acceleration. Then, click **OK** to create the bucket. For more information on the configuration items, see "Notes".

Bind Bucket ✕

File storage is powered by COS. A newly created bucket will be synchronized to COS.

Add Methods Bind an existing COS Bucket Create

Name
Only a combination of numbers, lowercase letters, and hyphens ("-") with a length no greater than 50 characters is supported.

Region

Access Permission Private Read/Write Public Read/Private Write Public Read/Write

CDN Acceleration Enable Close

Notes

Methods of adding a bucket

There are two methods to add a bucket:

Create a bucket. Since the storage feature of CI is based on COS, you can query the newly created bucket in the [COS console](#).

Select an existing COS bucket. If you choose to use this method, you are actually activating the image processing service for an existing bucket in COS.

Note:

You can bind up to 200 buckets across regions, but the numbers of directories and files in a bucket are unlimited.

Project

A bucket is created under a project and belongs to only one project. The project cannot be changed once it is selected.

Name

- a. The bucket name is a string with up to 50 characters and contains only digits, lowercase letters, and hyphens (-).
- b. The bucket name must be unique across all projects under the same APPID.

Region

CI supports multi-region storage. For more information on regions where this feature is available, see [Regions and Domain Names](#). When creating a bucket, you can select a region for the bucket. The region cannot be changed once selected. To improve the access speed, we recommend that you select a region close to your location.

Access permissions

The following three access permissions are granted for a bucket by default:

Private Read/Write: only the bucket creator and authorized accounts have permission to read and write objects in the bucket.

Public Read/Private Write: anyone, including anonymous visitors, can read objects in the bucket. However, only the bucket creator and authorized accounts can write objects in the bucket.

Public Read/Write: anyone, including anonymous visitors, can read and write objects in the bucket. We recommend that you do not select this access permission.

Note:

You can modify the access permission in the [COS console](#) later when needed.

CDN acceleration

CDN acceleration is disabled by default. You can enable or disable it as needed. When CDN acceleration is enabled, users can accelerate access by transferring files through Tencent CDN nodes.

Uploading and Processing File

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After successfully creating a bucket, you can upload files to it and process them in the following steps.

Directions

Uploading files

1. Log in to the [CI console](#).
2. Click **Bucket Management** on the left sidebar to enter the bucket list.
3. Click **Manage** in the **Operation** column on the right of the target bucket to enter the bucket management page.
4. Select **File Management** on the left sidebar and click **Upload Files**.
5. Click **Select Files** in the pop-up window and select the target file.
6. Click **OK**.

If the uploaded file is displayed in the file list, the upload is successful.

Note

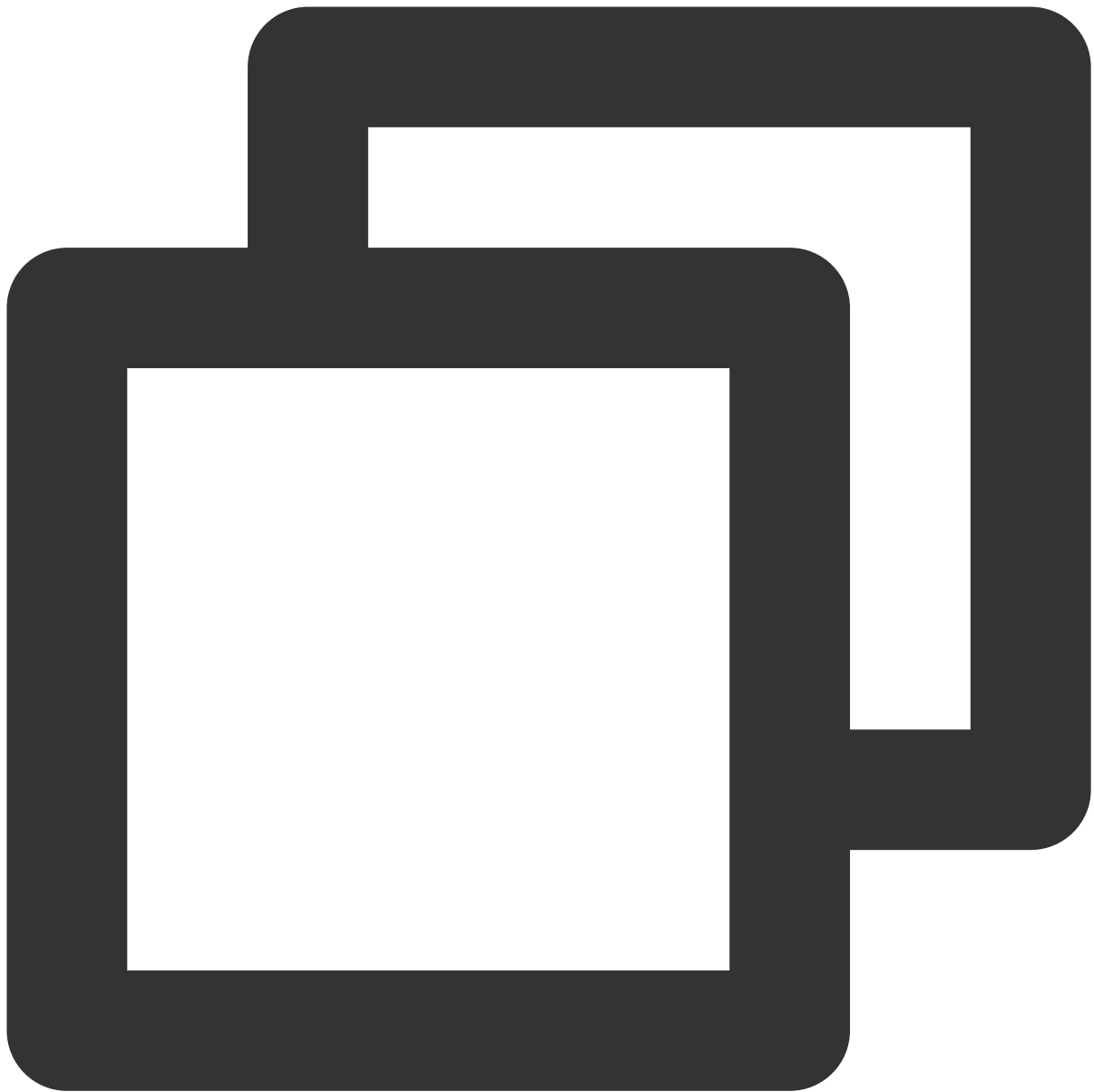
If you upload a file that has the same name as an existing file, the existing file will be overwritten.

Processing files

Note

The following is the image scaling procedure. For more file processing operations, see the [CI API documentation](#).

1. Log in to the [CI console](#).
2. Click **Bucket Management** on the left sidebar to enter the bucket list.
3. Click **Manage** in the **Operation** column on the right of the target bucket to enter the bucket management page.
4. In the file list, find the target file and click **Details** on the right.
5. In the pop-up window, copy the URL of the image.
6. Open your browser and add processing parameters in the following format in the address bar.



```
Image URL?processing API name/processing operation name/processing parameter
```

Note:

If the access permission on the image file is private-read, you need to add image processing parameters to the signed address.

Scaling API: imageMogr2

Scaling operation name: thumbnail

Processing parameter: !50p

The address with parameters added is `https://examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/sample.jpeg?imageMogr2/thumbnail/!50p` .

Paste this URL to your address bar. Then you will see the scaled image shown as below:



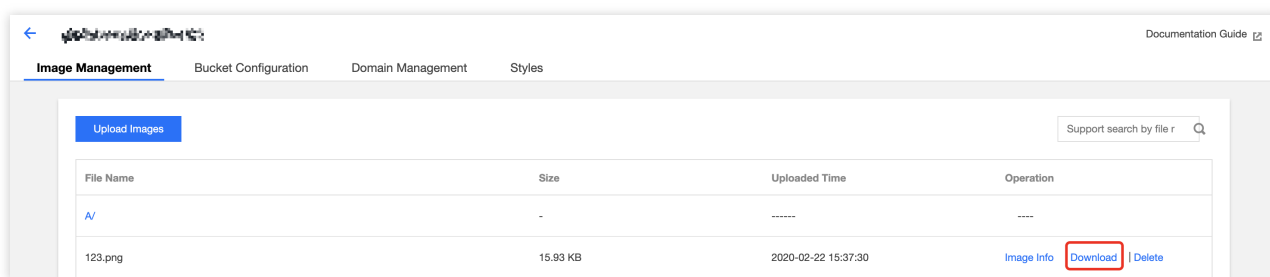
Downloading and Deleting Images

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Downloading Files

After files are uploaded to a bucket, you can download them as needed. To do this, perform the following steps:

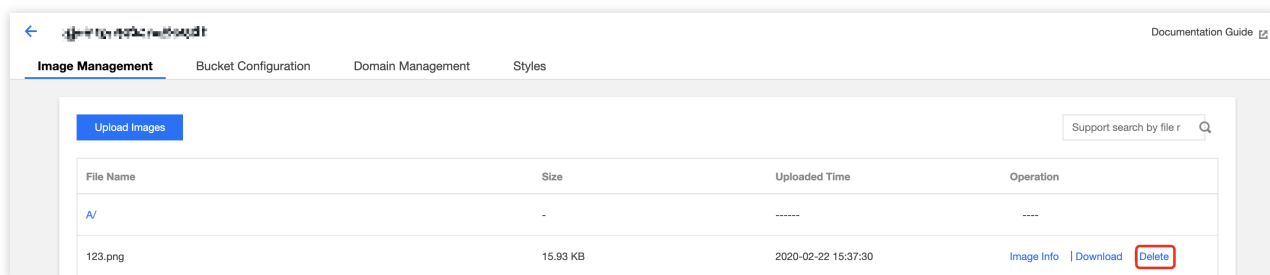
1. Log in to the [CI console](#).
2. Find the bucket where your desired file is located and click **Manage** in the **Operation** column to go to the bucket management page.
3. Select the **File Management** tab in the left sidebar, find the target file from the file list, and click **Download** to download the file.



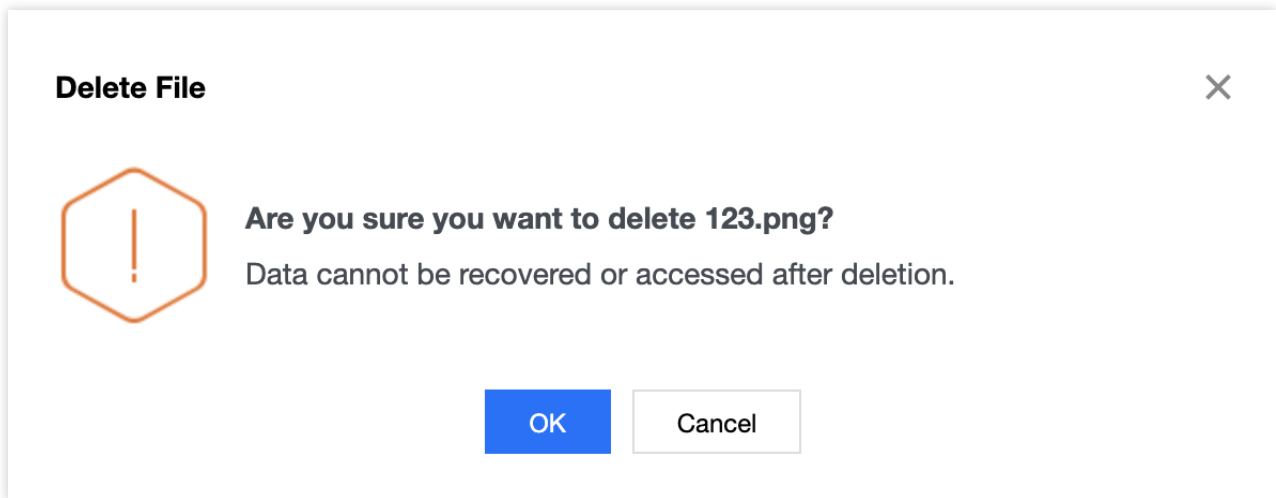
Deleting Files

To delete files from a bucket, complete the following steps:

1. Log in to the [CI console](#).
2. Find the bucket where your file is located and click **Manage** in the **Operation** column to go to the bucket management page.
3. Select **File Management** in the left sidebar, find the target file from the file list, and click **Delete** to delete the file.



4. Click **OK** to delete the file.



Unbinding Buckets

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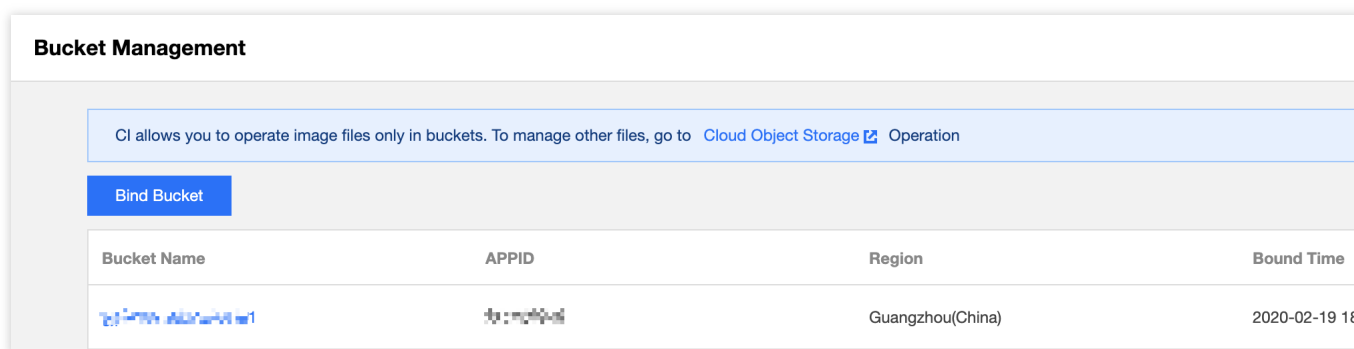
If you no longer need a bucket, you can unbind it. This document describes how to unbind buckets that are no longer needed.

Note:

At present, you cannot delete buckets in CI Console. For information on how to delete buckets, see [Deleting Buckets](#) for COS.

Directions

1. Log in to [CI Console](#), find the bucket that you want to unbind, click **Unbind** on the right, and the bucket unbinding dialog box appears.



Bucket Management

CI allows you to operate image files only in buckets. To manage other files, go to [Cloud Object Storage](#) Operation

[Bind Bucket](#)

Bucket Name	APPID	Region	Bound Time
bucket-name	appid	Guangzhou(China)	2020-02-19 18

Note:

After a bucket is unbound, it is removed from the bucket list in CI Console, but COS retains the bucket and all its files, which can be viewed in COS Console.

2. Click **OK** to unbind the bucket.

Using CI via COS

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Overview

CI depends on COS to process data. You can use the COS console/SDK to quickly use CI services such as content moderation and media processing. This document describes the precautions for using CI via COS and how to use it.

Note:

Using CI incurs data processing fees, and the storage and traffic fees incurred will be charged by COS. For detailed pricing, please see [Billing Overview](#).

Prerequisites

You have activated COS and created a bucket. If you haven't, go to the [COS console](#) to activate COS and create a bucket as instructed.

You have activated CI. If you haven't, go to the [CI console](#) to activate it as instructed.

Directions

1. [Create a bucket](#) via the COS console and [upload the files to process](#) to the bucket.
2. On the left sidebar of the COS console, click **Bucket List** and then click the name of the created bucket.
3. On the bucket management page, use the following full data processing capabilities of CI:

Content moderation

Data processing

Workflow

4. CI's data processing capabilities have also been integrated into COS SDKs. For the calling directions, please see [SDK Overview](#).