

Alibaba Cloud Object Storage Service

Quick Start

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Generic conventions

Table -1: Style conventions

| Style | Description | Example |
|---|--|--|
|  | This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results. |  Danger: Resetting will result in the loss of user configuration data. |
|  | This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results. |  Warning: Restarting will cause business interruption. About 10 minutes are required to restore business. |
|  | This indicates warning information, supplementary instructions, and other content that the user must understand. |  Notice: Take the necessary precautions to save exported data containing sensitive information. |
|  | This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user. |  Note: You can use Ctrl + A to select all files. |
| > | Multi-level menu cascade. | Settings > Network > Set network type |
| Bold | It is used for buttons, menus, page names, and other UI elements. | Click OK . |
| Courier font | It is used for commands. | Run the <code>cd /d C:/windows</code> command to enter the Windows system folder. |
| <i>Italics</i> | It is used for parameters and variables. | <code>bae log list --instanceid Instance_ID</code> |
| [] or [a b] | It indicates that it is a optional value, and only one item can be selected. | <code>ipconfig [-all -t]</code> |
| { } or {a b} | It indicates that it is a required value, and only one item can be selected. | <code>swich {stand / slave}</code> |

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1 Get started with Object Storage Service

Alibaba Cloud Object Storage Service (OSS) is a network-based data storage service. Using OSS, you can store and retrieve a variety of unstructured data files over the network at any time, including text files, images, audios, and videos.

OSS uploads data as objects to a bucket. You can do the following:

- Create one or multiple buckets. Add one or multiple objects to each bucket.
- Share or download an object by getting its URL assigned by OSS.
- Set access permissions of a bucket or object by modifying its attributes.
- Perform basic and advanced tasks in the OSS console.
- Perform basic and advanced tasks by using the development toolkit or calling the RESTful API in an application program.

Before you use OSS, we recommend that you get familiar with [OSS service limits](#). This guide describes how to complete the basic tasks shown in the following figure in the OSS console.



1. [Sign up for OSS](#)
2. [Create a bucket](#)
3. [Upload an object](#)
4. [Share an object](#)
5. [Delete an object](#)
6. [Delete a bucket](#)

- For more information about the functions and pricing, see the [Alibaba Cloud OSS product](#).
- For more advanced operations, see the [Alibaba Cloud OSS Developer Guide](#).

2 Create a bucket

After activating Alibaba Cloud OSS, you create a bucket in the OSS console to store objects.

Procedure

1. Log on to the [OSS console](#).
2. Click **Create Bucket** to open the **Create Bucket** dialog box.

Create Bucket

Note: Storage Class and Region cannot be changed after the bucket is created.

Bucket Name 0/63

Region

Products in the same region can communicate with each other over an internal network. The region cannot be changed after purchase. Exercise caution.

You do not have any available storage or traffic packages in this region. We recommend that you purchase a package.

Endpoint oss-cn-hangzhou.aliyuncs.com

Storage Class

Standard: high reliability, high availability, high performance, frequent access

[How to Choose a Suitable Storage Class](#)

Access Control List (ACL)

Private: Anyone who wants to read or write to the files will be authenticated.

Zone-redundant Storage

OSS can back up your data to three zones within the same region to provide data center disaster recovery. For more information, see [Details](#).

Log Service

Log service free provide recent 7 days of OSS log storage, user can the Bucket of access log the overview [More](#)

3. In the **Bucket Name** text box, enter a bucket name.
 - The bucket name must comply with the naming conventions.
 - The bucket name must be unique among all existing buckets in Alibaba Cloud OSS.
 - The bucket name cannot be changed after being created.
 - For more information about the naming conventions for buckets, see [Basic concepts](#).
4. In the **Region** drop-down box, select the data center of the bucket.

The region of a bucket cannot be changed after the bucket is created. To access OSS through the ECS intranet, select the same region as that of your ECS.

5. In the **storage Class** drop-down box, select a storage class for the bucket.

**Note:**

The storage class of a bucket cannot be changed after the bucket is created.

- **Standard Storage:** provides highly reliable, highly available, and high-performance object storage services that support frequent data access.
- **Infrequent Access Storage:** suitable for data that is stored for a long term and infrequently accessed. Its unit price is lower than that of the Standard storage class.
- **Archive Storage:** suitable for storing archival data that requires long-term persistence (more than half a year). The data is infrequently accessed during the storage period and it may take about one minute to restore the data to a readable state. This storage class is suitable for storing archive data, medical images, scientific materials, and video footage for a long time period.

6. In the **ACL** drop-down box, select an access permission option for the bucket.

- **Private:** Only the owner of the bucket and the authorized users can perform read, write, and delete operations on the objects in the bucket. Other users cannot access objects in the bucket.
- **Public Read:** Only the owner of the bucket and the authorized users can perform write and delete operations on the objects in the bucket. Anyone (including anonymous access) can read the objects in the bucket.
- **Public Read/Write:** Anyone (including anonymous access) can read, write, and delete the objects in the bucket.

**Notice:**

The fees incurred by the bucket operations are borne by the bucket owner. Therefore, use **Public Read** and **Public Read/Write** permissions with caution.

7. In the **Zone-redundant storage** drop-down box, select **Enable** or **Disable**.

- **Enable:** When the **Zone-redundant storage** is enabled, OSS stores users' data in three Availability Zones (AZ) of the same region.

**Note:**

You cannot disable the **Zone-redundant storage** once it is enabled.

- **Disable:** The **Zone-redundant Storage** is disabled by default.

8. In the **Log analysis** drop-down box, select **Enable** or **Disable**.

- **Enable:** When the **Log analysis** is enabled, users can query and analyze the access logs to the bucket.
- **Disable:** The **Log analysis** is disabled by default.

9. Click **OK**.

3 Upload an object

After a bucket is created, you can upload any type of object (file) to it.

Prerequisites

A bucket is created. For more information, see [Create a bucket](#).

Context

You can upload an object in any of the following ways:

- Use the OSS console to upload an object smaller than 5 GB. See the following steps.
- Use SDKs or APIs to upload an object larger than 5 GB. For more information, see [Multipart upload](#).
- Use the graphical management tool ossbrowser to upload an object. For more information, see [ossbrowser](#).

Procedure

1. Log on to the [OSS console](#).
2. In the bucket name list, click the name of the bucket that you want to upload a file to.
3. Click the **Files** tab.
4. Click **Upload**.
5. In the **Directory Address** box, set the directory where the file is uploaded.
 - **Current Directory**: If you select this option, the file will be uploaded to the current directory.
 - **Specify Directory**: If you select this option, you must specify a directory, and OSS will automatically create the corresponding folder and upload the file to the folder.

**Note:**

For more information about folders, see [Create a folder](#).

6. In the **File ACL** area, select the read/write permission of the file to be uploaded. By default, a file inherits the read/write permission of the bucket where it belongs.
7. In the **Upload** area, drag one or more files to be uploaded to this area, or click **upload them directly** to select one or more files to be uploaded.

**Note:**

- If the uploaded file has the same name as an existing file in the bucket, the original file will be overwritten.
- When uploading one or more files, do not refresh or close the page. Otherwise, the upload task is interrupted and the upload list is cleared.

4 Download an object

After uploading an object to a bucket, you can obtain the URL of the object to download it or share it with other users.

Prerequisites

The object has been uploaded to the bucket. For more information, see [Upload an object](#).

Procedure

1. Log on to the [OSS console](#).
2. In the left-side bucket list, click the name of the bucket that you created.
3. In the overview page of the bucket, click the **Files** tab.
4. Click the name of the object that you want to download or share, or click **Preview** on the right of the object. In the Preview page, you can see the following options:
 - **Download**: Download the object to your local storage device.
 - **Open File URL**: View the object in a browser. The objects that cannot be viewed in a browser (such as Excel files) are downloaded when you select this option.
 - **Copy File URL**: Copy the URL of the object to share it with other users, so that they can use the URL to view or download the object.
 - **Copy File Path**: Copy the path of the object. You can use the path when searching for the object or adding watermarks to the object (if it is a picture).



Note:

Depending on how many objects you require, you can also download objects by using the following methods:

- Download multiple objects: On the **Files** tab page, select multiple objects, and then choose **Batch operation > Download**.
- Download a single object: On the **Files** tab page, select an object, and then choose **More > Download**.

5. If your bucket ACL is Private, you must set the **Validity Period** on the Preview page when you want to obtain the URL of an object. The default value of the validity period is 3,600 seconds, and the maximum value is 64,800 seconds.



Note:

The validity period of a signed URL is calculated based on NTP. You can share the signed URL of an object to other users so that they can use the URL to access the object within the validity period. If your bucket ACL is Private, a signature is added to the URL of the objects stored in the bucket. For more information, see [#unique_19](#).

5 Delete an object

If you no longer need to store an object in OSS, delete it to avoid further charges.

Context

You can delete a single object or multiple objects in the OSS console. You can delete up to 1,000 objects at a time in the console. If you want to delete only the selected objects or delete more than 1,000 objects, see [Delete objects](#) in the *OSS Developer Guide*.



Warning:

The deleted object cannot be recovered. Perform this operation with caution.

Procedure

1. Log on to the [OSS console](#).
2. In the bucket name list, select the name of the bucket that you want to delete an object from.
3. Click **Files**.
4. Select one or multiple objects, and then click **Delete** to open the **Delete File** dialog box.
5. Click **OK**.

6 Delete a bucket

If you do not need a bucket, delete it to avoid further charges.

Prerequisites

Before you delete a bucket, ensure that all objects in it are deleted, including parts generated by the incomplete multipart upload. Otherwise, you are unable to delete the bucket.



Warning:

A deleted bucket cannot be recovered. Therefore, delete buckets with caution.

Procedure

1. Log on to the [OSS console](#).
2. In the bucket name list, click the name of the bucket that you want to delete, and then click **Delete Bucket**.
3. In the dialog box that appears, click **OK**.