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.	**Note:** 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 `cd /d C:/windows` command to enter the Windows system folder.
Italics	It is used for parameters and variables.	`bae log list --instanceid` *`Instance_ID`*
[] or [a|b]	It indicates that it is a optional value, and only one item can be selected.	`ipconfig` *`[-all|-t]`*
{} or {a|b}	It indicates that it is a required value, and only one item can be selected.	`swich` *`{stand | slave}`*

Contents

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.
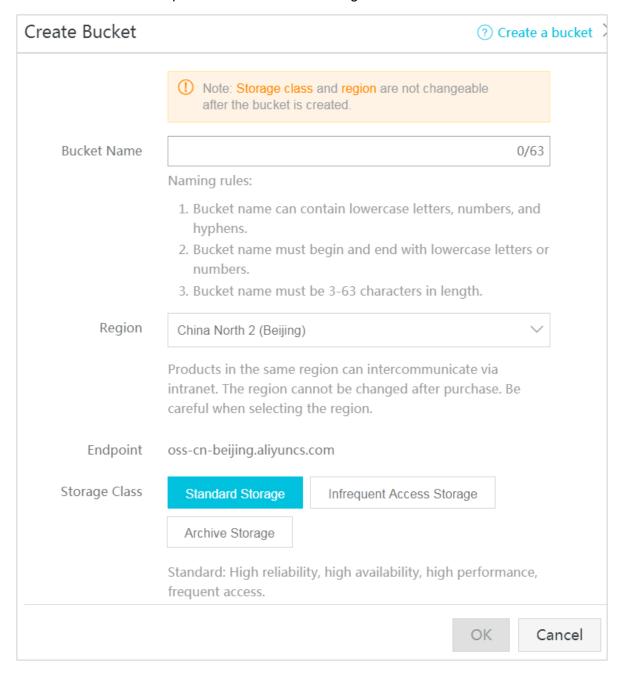

1. *Sign up for OSS*
2. *Create a bucket*
3. *Upload an object*
4. *Share an object*
5. *Delete an object*
6. *Delete a bucket*

- 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*.

3 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.

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.

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.

   - `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.

     > **Note:**
     > 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. Click **OK**.

4 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 the file to be uploaded to this area, or click **upload them directly** to select the file to be uploaded.

    The **Upload Task** dialog box is displayed, indicating the upload progress. You can also see the upload progress by clicking **Upload Task** at the bottom left.

> **Note:**
> If the uploaded file has the same name as an existing file in the bucket, the original file will be
> overwritten.

5 Download an object

After uploading an object to a bucket, you can download the object or share it with others.

Prerequisites

The object is uploaded to a bucket. For more information, see *Upload an object*.

Procedure

1. Log on to the *OSS console*.

2. In the bucket name list, click the name of the bucket that you created.

3. Click the **Files** tab.

4. Click the name of the file that you uploaded, or click **Configure** to open the **Preview** page. You can see the following options:

   • **Download**: used to download a file to your local PC.

   • **Open File URL**: used to open the file in a browser. Files that cannot be opened directly, such as Excel files, are downloaded directly when the URL is opened.

   • **Copy File URL**: used to give the URL to anyone who needs to open or download the file.

   • **Copy File Path**: used to search a file or place watermarks on an image file.

   > **Note:**
   >
   > You can also download files by the following methods:
   >
   > • Locate the target file, and then select **More** > **Download**.
   >
   > • Select one or more files, and then select **Batch operation** > **Download**.

5. If your bucket ACL is Private, you must set **Validity Period** when getting a file URL.

   > **Note:**
   >
   > The validity period of a signed URL is calculated based on NTP. You can give the URL to anyone who can then use it to access the file within the validity period. If the bucket ACL is set as Private, a signature will be added to the URL. For more information, see *Add a signature to a URL*.

6 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**.

7 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**.