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对象存储 OSS

快速入门

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格式	说明	样例
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	用于补充说明、最佳实践、窍门等，不是用户必须了解的内容。	说明： 您也可以通过按**Ctrl + A**选中全部文件。
>	多级菜单递进。	**设置 > 网络 > 设置网络类型**
粗体	表示按键、菜单、页面名称等UI元素。	单击 **确定**。
courier 字体	命令。	执行 `cd /d C:/windows` 命令，进入Windows系统文件夹。
斜体	表示参数、变量。	`bae log list --instanceid` *Instance_ID*
[]或者[a|b]	表示可选项，至多选择一个。	`ipconfig` *[-all|-t]*
{}或者{a|b}	表示必选项，至多选择一个。	`swich` *{stand | slave}*

目录

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 Sign up for OSS

Prerequisites

Before using OSS, you must *register an Alibaba Cloud account*.

Procedure

1. Go to the OSS product details page.

2. Click *Buy Now*.

3. Once OSS is activated, click **Management Console** to access the OSS console.

   You can also click **Console** at the upper right of the homepage, and then click **Object Storage Service** from the main console.

3（不上国际站）Purchasing OSS services

Context

After the OSS service is opened, the default billing method is paid by the volume. If you want to further reduce the OSS fee, it is recommended that you use the billing method of the year package (purchase resource package.

The resource bundle purchase process is as follows:

Procedure

1. After the OSS service is opened, the OSS Product details page Click discount package to enter the resource package sale page.

2. Select the type and specification of resource bundle that you want to purchase.

3. Select the resource bundle purchase process.

4. Select the start time (either effective immediately after payment is supported or at a specified time).

5. Select the resource bundle area.

   The unit price of different regions may vary, such as overseas areas and the mainland China area at present.

6. The system displays the price of the resource bundle configuration that you selected. Click buy now.
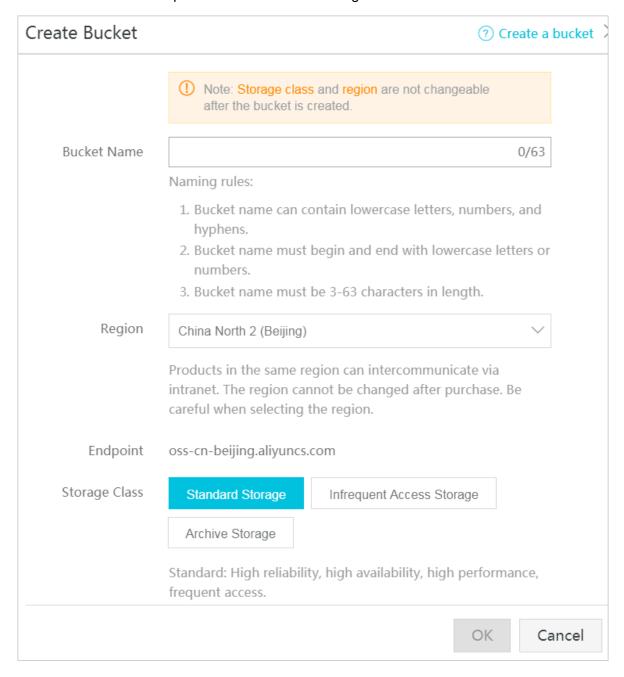
4 Create a bucket

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

操作步骤

1. Log on to the *OSS console*.

2. Click **Create Bucket** to open the **Create Bucket** dialog box.

Create Bucket   ⑦ Create a bucket ⟩

⚠ Note: Storage class and region are not changeable after the bucket is created.

Bucket Name   [0/63]

Naming rules:

1. Bucket name can contain lowercase letters, numbers, and hyphens.
2. Bucket name must begin and end with lowercase letters or numbers.
3. Bucket name must be 3-63 characters in length.

Region   [China North 2 (Beijing)   ∨]

Products in the same region can intercommunicate via intranet. The region cannot be changed after purchase. Be careful when selecting the region.

Endpoint   oss-cn-beijing.aliyuncs.com

Storage Class   [**Standard Storage**] [Infrequent Access Storage]

[Archive Storage]

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

[OK] [Cancel]

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.

  > 说明：
  >
  > 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**.

5 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.

6 分享檔案

您可以通過獲取已上傳檔案的地址進行檔案的分享和下載。

前提条件

檔案已上傳到儲存空間中。詳情請參見上傳檔案。

操作步骤

1. 登入 OSS 管理主控台。

2. 在左側儲存空間列表中，單擊您已建立的儲存空間名稱，開啟該儲存空間概覽頁面。

3. 單擊檔案管理頁簽。

4. 單擊目標檔案的檔案名，開啟該檔案的預覽頁面，可以看到以下選項：

   - **開啟檔案URL**：用於直接在瀏覽器中開啟檔案。

   - **複製檔案URL**：用於下載檔案。

   - **複製檔案路徑**：用於搜索檔案或者給圖片類的檔案加浮水印等功能。

5. 單擊複製檔案**URL**獲取檔案連結給訪問者進行瀏覽和下載。對於不支援直接瀏覽的檔案，如excel檔案，開啟URL則直接下載。

   如您的bucket的讀寫權限為私有，則在您獲取檔案訪問URL時需設定連結有效時間。

   > 📋 **说明**：
   >
   > URL簽名的連結有效時間是基於NTP計算的。您可以將此連結給與任何訪問者，訪問者可以在有效時間內，通過此連結訪問該檔案。儲存空間為私有許可權時獲得的地址是通過在URL中包含簽名生成的。

7 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**.

8 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**.