

# Alibaba Cloud Hybrid Backup

## Back up OSS

Issue: 20190911

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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. |  <b>Danger:</b><br>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.  |  <b>Warning:</b><br>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.                           |  <b>Notice:</b><br>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.                       |  <b>Note:</b><br>You can use Ctrl + A to select all files.  |
| >   | Multi-level menu cascade.  | Settings > Network > Set network type  |
| <b>Bold</b>   | It is used for buttons, menus, page names, and other UI elements.  | Click <b>OK</b> .  |
| 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 <i>Instance_ID</i></code>  |
| [ ] or [a b]  | It indicates that it is an optional value, and only one item can be selected.  | <code>ipconfig [-all -t]</code>  |

| Style                                 | Description  | Example                            |
|---------------------------------------|--|------------------------------------|
| <code>{}</code> or <code>{a b}</code> | 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 Back up OSS

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You can use Hybrid Backup Recovery (HBR) to back up Object Storage Service (OSS) objects and restore the objects when they are lost or damaged.

## Preparations

OSS stores objects in buckets. Before using HBR to back up and restore OSS objects, you must create a bucket whose storage class is Standard. For more information about how to create a bucket, see [Create a bucket](#).



### Notice:

Currently, HBR allows you to back up and restore OSS objects only in Standard buckets.

## Step 1: Create a backup plan

To create an OSS backup plan, perform the following operations:

1. Log on to the [HBR console](#).
2. In the left-side navigation pane, click OSS Backup.
3. On the Backup Plan tab, click Create Backup Plan in the upper-right corner.

4. In the Create Plan dialog box, set relevant parameters, as described in the following table, and then click OK.

The screenshot shows a 'Create Plan' dialog box with the following fields and values:

- Backup Vault Config:** 'Create New Vault' (disabled) and 'Select Existing Vault' (active).
- Backup Vault Name \*:** 'cy-sh' with a dropdown arrow.
- OSS Bucket \*:** 'Please select' with a dropdown arrow.
- OSS Prefix ?:** 'Please select or input prefix' with a dropdown arrow.
- Plan Name \*:** 'plan-20190909-105007' with a character count '20/64'.
- Start Time:** '2019-09-09 10:50:07' with a calendar icon.
- Plan Interval:** '1' with a dropdown set to 'Day'.
- Retention:** '2' with a dropdown set to 'Year'.

Buttons at the bottom: 'Cancel' and 'Ok'.

| Parameter         | Description  |
|-------------------|--|
| Backup Vault Name | Set the name of the backup vault. If you do not specify this parameter, a random name is specified.<br><br>You can also select an existing backup vault. |
| OSS Bucket        | Select an existing Standard bucket from the drop-down list.  |
| OSS Prefix        | Select an OSS prefix from the drop-down list, or specify an OSS prefix. If you do not specify this parameter, HBR backs up all objects in the bucket.    |
| Plan Name         | Set the name of the backup plan. If you do not specify this parameter, a random name is specified.   |
| Start Time        | Set the start time of the backup plan. The time is accurate to seconds.  |
| Plan Interval     | Set the frequency of incremental backups. Valid units: day and week.   |

| Parameter | Description  |
|-----------|--|
| Retention | Set the retention period of the backup. Valid units: day, week, month, and year. |

After the backup plan is created, HBR backs up OSS objects at the specified start time and at the specified intervals. On the Backup Plan tab, you can also perform the following operations:

- **Start a backup job:** Find the target backup plan and click **Execute Now** in the **Actions** column.
- **Pause a backup job:** Find the target backup plan and choose **> Disable Plan** in the **Actions** column. To resume a paused backup job, choose **> Enable Plan** in the **Actions** column.
- **Delete a backup job:** Find the target backup plan and choose **> Delete Plan** in the **Actions** column. After you delete a backup plan, HBR no longer runs the plan but retains data that is backed up by using the plan.

#### Step 2: Create a restoration job

You can restore the backup data of an OSS bucket to the original OSS bucket or another OSS bucket.

1. On the Restore Jobs tab, click **Create Restore Job** in the upper-right corner.

2. In the New Restore Task dialog box, select the source OSS bucket for Source OSS Bucket, set Backup Time Frame to Last 3 Months or All Snapshots, select a Backup Source, and then click Next.

New Restore Task

Select Snapshot | Config Restore Rules

Source OSS Bucket \* cy-ces

Backup Time Frame Last 3 Months All Snapshots

Please select at least one snapshot

|                       | Backup Source | Data Size | Completed              |
|-----------------------|---------------|-----------|------------------------|
| <input type="radio"/> | oss://cy-ces/ | 44.07 GB  | Sep 08, 2019, 15:38:31 |
| <input type="radio"/> | oss://cy-ces/ | 44.07 GB  | Sep 07, 2019, 15:38:31 |

< 1 >

Cancel Next

3. On the Config Restore Rules tab, select the destination OSS bucket for OSS Bucket, and select or enter an OSS prefix in the OSS Prefix field. The OSS prefix is optional.

The screenshot shows a 'New Restore Task' dialog box with the following configuration:

- Select Snapshot:** (Inactive)
- Config Restore Rules:** (Active)
- OSS Bucket:** cy-ces
- OSS Prefix:** Please select or input prefix
- Restore Rule:** Include All Files, **Include Files**, Exclude Files
- Input File List:** a/b/folder, a/b/file.txt (0/5000)
- Tip:** Each line of file list should start with prefix of backup source. e.g.:
  - Backup prefix is a/b/, to include (or exclude) folder and file.txt, please enter: a/b/folder, a/b/file.txt
  - Backup prefix is not assigned, to include (or exclude) folder and file.txt, please enter: folder, file.txt
- Buttons:** Back, Create

- If you set Restore Rule to Include All Files, HBR restores all objects in the destination OSS bucket.
- If you set Restore Rule to Include Files or Exclude Files, you need to enter object paths in the Input File List field. HBR restores objects in the destination OSS bucket based on this restoration rule.

In the Input File List field, enter an object path in each line. Ensure that each path starts with the OSS prefix that you specified in the relevant backup plan. The following example shows how to enter object paths:

- If the specified OSS prefix is a/b/ and you want to include or exclude folder and file.txt, enter object paths as follows:

```
a / b / folder
a / b / file . txt
```

- If no OSS prefix is specified and you want to include or exclude folder and file.txt, enter object paths as follows:

```
folder
```

```
file . txt
```

#### 4. Click Create.

After the restoration job is created, you can view the job progress in the Status column on the Restore Jobs tab.