

Alibaba Cloud

Hybrid Backup Back up OSS

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Document conventions









Style	Description	Example
 Danger	A danger notice 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.
 Warning	A warning notice 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 restart an instance.
 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: If the weight is set to 0, the server no longer receives new requests.
 Note	A note indicates supplemental instructions, best practices, tips, and other content.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings> Network> Set network type .
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK .
Courier font	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1. Back up and restore OSS objects

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.

Prerequisites

An OSS bucket is created. The storage class of the OSS bucket is Standard or Infrequent Access (IA). For more information, see [Create buckets](#).

Background information


Before you use HBR to protect OSS objects, note the following information:

- HBR cannot back up or restore objects in Archive buckets. HBR cannot back up or restore symbolic links or object access control lists (ACLs).
- The expense for accessing objects in IA buckets is higher than that for accessing objects in Standard buckets.
- You are charged for OSS API operations that HBR calls during the backup of OSS objects. For more information, see [Overview](#).

Step 1: Create a backup plan

To create a backup plan for an OSS bucket, perform the following steps:

1. Log on to the [HBR console](#).
2. In the left-side navigation pane, choose **Backup > OSS Backup**.
3. In the **OSS Bucket** column, select the bucket.
4. In the upper-right corner of the **Backup Plans** tab, click **Create Backup Plan**.
5. In the **Create Backup Plan** pane, set the parameters and click **OK**.

 **Note** You can enjoy the free trial of each backup plan for two months, starting from the day when the backup plan is created. For example, if you create a backup plan on February 14, 2020, the backup plan is free of charge until April 14, 2020.

Create Backup Plan ✕

✔ You can enjoy a free backup plan with a planned expiration date: Apr 26, 2020, 14:00:00

Plan Name * 20/64

Start Time 📅

Continue Plan (Paid) No Yes

⤴ Hide Advanced Options

If you need to edit advanced options, please [Switch to Paid Usage NOW](#)

Plan Interval Day(s) ▾

Backup Retention Policy Specify Retention Time Forever

Retention Week(s) ▾

Vault Config Create New Vault Select Existing Vault

Vault Name * 21/64

Backup Bucket Prefix (?) ▾

Backing up the OSS will incur an OSS request fee, which is charged by the OSS. [View Details](#)

Cancel
Ok

i. The following table describes the basic settings of the backup plan.

Parameter	Description
Plan Name	The name of the backup plan. By default, a random name is used.
Start Time	The start time of the backup plan. The time is accurate to seconds.
Pay After Trial Ends	Specifies whether to pay for the backup plan after its free trial ends.

- ii. The following table describes the advanced settings of the backup plan. If you want to specify the advanced settings, click **Show Advanced Settings** and click **Switch to Paid Plan**.

Parameter	Description
Backup Interval	The interval at which data backup is performed. Unit: days or weeks.
Retention Policy	The retention policy of the backup data. You can select Limited or Permanent . If you select Limited , you must set the Retention Period parameter.
Retention Period	The retention period of the backup data. Unit: days, weeks, months, or years.
Backup Vault	The backup vault where you want to store the backup data. You can select or create only a backup vault in the current region. <ul style="list-style-type: none"> ■ If you select Create Vault, specify the Vault Name field. By default, a random name is used. ■ If you select Select Vault, select a backup vault from the Vault Name drop-down list.
Source Path	The path to the folder that you want to back up. By default, the entire OSS bucket is backed up.

After the backup plan is created, HBR runs backup jobs based on the backup plan. You can perform the following operations on the **Backup Plans** tab:

- To start a backup job, find the backup plan and click **Run Immediately** in the **Actions** column.
- To pause a running backup job, find the backup plan and choose **More > Suspend Plan** in the **Actions** column. To resume a paused backup job, find the backup plan and choose **More > Resume Plan** in the **Actions** column.
- To delete the backup plan, find the plan and choose **More > Delete Plan** in the **Actions** column. After you delete the backup plan, HBR no longer runs backup jobs for the plan but the backup data is retained.

Step 2: Create a restore job

To restore backup data to the source OSS bucket or a different OSS bucket, perform the following steps:

1. In the upper-right corner of the **Restore Jobs** tab, click **Create Restore Job**.
2. In the **Create Restore Job** pane, select the backup vault and the source OSS bucket. Select a backup that you want to restore. You can click **Recent 3 Months** or **All** to view the corresponding backups. Then, click **Next**.

Create Restore Job
✕

Select Snapshot

Select Restore Files

Config Restore Destination

Backup Vault ? *

Bucket to be restored ? *

Snapshot to Restore

Check Last 3 Months

Check All Snapshots

	Backup Source	Data Size	Completed
<input checked="" type="radio"/>	oss://lj01/0709/	0 B	Feb 18, 2020, 16:55:37

<
1
>

Cancel

Next

3. In the **Select Backup Files** step, configure a restore policy and click **Next**.

The following restore policies are supported:

- **Include All Files:** HBR restores all objects that are backed up from the source OSS bucket.
- **Include Specified Files or Exclude Specified Files:** In the text box, enter the paths to the folders and files that you want to restore. HBR restores files that are backed up from the source OSS bucket based on the restore policy.

In the text box, enter one path in each line and start each path with the source folder.

- If the source path is C:\Windows\ABC and you want to restore folder and folder\file.txt in the ABC folder, enter the following paths:

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

- If no source path is specified, enter the following paths:

folder
file.txt

4. In the **Configure Destination** step, select a bucket from the **Destination OSS Bucket** drop-down list and enter the path to the destination folder in the **Destination Path** field. If you do not specify the destination path, the backup data is restored to the root folder of the destination OSS bucket.

Create Restore Job ✕

Select Snapshot Select Restore Files **Config Restore Destination**

Restore to OSS Bucket * shunze-free-trial-test-001 ▼

Restore to Bucket Prefix ? Please select or input prefix ▼

Back Create

5. Click **Create**.After the restore job is created, you can view the progress of the job in the **Status** column on the **Restore Jobs** tab.