

**Workspace**

# **Best Practices**

**Issue**            01  
**Date**             2023-04-03



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# Security Declaration

## Vulnerability

Huawei's regulations on product vulnerability management are subject to the *Vul. Response Process*. For details about this process, visit the following web page:

<https://www.huawei.com/en/psirt/vul-response-process>

For vulnerability information, enterprise customers can visit the following web page:

<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

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# 1 Restoring Desktop Data Using CBR

## Scenarios

When an event such as virus intrusion, mis-deletion, or software or hardware fault occurs, you can use the Cloud Backup and Recovery (CBR) service to restore the desktop data to any backup point. During backup and restoration, CBR protects your workloads by securing your data and ensuring data consistency.

## Prerequisites

- You have purchased a desktop.
- The administrator account has the permission on CBR.

### NOTE


- By default, a Huawei Cloud account has the operation permissions on all Huawei Cloud services. If you use such an account, you do not need to confirm it.
- To use CBR, the IAM account created under the Huawei Cloud account must be added to the **admin** user group or a user group with CBR operation permissions. You can go to the IAM page to check whether the user belongs to the **admin** user group. If not, [grant the IAM account the permission for using CBR](#).

## Procedure

### Purchasing desktop backup vault capacity


**Step 1** Log in to the console as an administrator.

1. On the [Huawei Cloud official website](#), click **Console** in the upper right corner.
2. Enter the username and password as prompted, and click **Log In**.

**Step 2** Click  in the upper left corner of the console and select a region and a project.

### NOTE

Select the region and project where the desktop to be backed up is located.

**Step 3** In the navigation pane, click . In the service list, choose **Storage > Cloud Backup and Recovery**.

The **Dashboard** page is displayed.

**Step 4** In the navigation pane, click **Desktop Backups**.

The desktop backup list page is displayed.

**Step 5** In the upper right corner, click **Buy Desktop Backup Vault**.

The page for purchasing desktop backup vault capacity is displayed.

**Step 6** Configure the parameters, as shown in **Table 1-1**.

**Table 1-1** Parameters for purchasing desktop backup vault capacity

Parameter	Description	Example Value
Billing Mode	<ul style="list-style-type: none"> <li>Yearly/monthly is a prepaid billing mode. You are billed based on the subscription duration you specify. This mode provides lower prices and is ideal when the resource use duration is predictable.</li> <li>Pay-per-use is a postpaid billing mode. You are billed based on your resource usage and can increase or delete resources at any time. Fees are deducted from your account balance.</li> </ul>	Pay-per-use
Associate Desktop	<ul style="list-style-type: none"> <li><b>Configure:</b> Select a desktop that is not bound to a vault and is in the <b>Running</b> or <b>Using</b> status.</li> <li><b>Skip:</b> Bind the vault to the desktop by referring <b>Step 9</b> to <b>Step 11</b> after creating a vault.</li> </ul>	Configure DOC03
Vault Capacity	The value ranges from 10 GB to 10485760 GB. The vault capacity cannot be less than the total capacity of the desktop to back up. You can plan the vault capacity by referring to <b>How Large of a Vault Do I Need?</b> . As the vault's used space grows, you can expand the vault capacity when it is insufficient.	-

Parameter	Description	Example Value
Auto Backup	<ul style="list-style-type: none"> <li>If you select <b>Configure</b>, a backup policy will be applied to this vault and all filesets associated with this vault will be automatically backed up according to the policy. You can select an existing backup policy or create one. For details about how to create a backup policy, see <a href="#">Creating a Backup Policy</a>.</li> <li>If you select <b>Skip</b>, filesets associated with this vault will not be automatically backed up until you apply a backup policy to the vault. After creating a vault, manually back up desktop data by referring to <a href="#">Step 12</a> to <a href="#">Step 14</a>.</li> </ul>	Configure Backup Policy defaultPolicy
Tags	(Optional) Add tags to the vault. A tag consists of a key-value pair. Tags are used to identify, classify, and search for vaults. Vault tags are used to filter and manage vaults only. A vault can have a maximum of 10 tags.	-
Vault Name	User-defined vault name. A name must contain 1 to 64 characters including digits, letters, underscores (_), and hyphens (-), for example, <b>workspace-vbc_612c</b> .	workspace-vbc_612c
Required Duration	When the billing mode is <b>Yearly/Monthly</b> , select the subscription duration. The validity period ranges from 1 month to 5 years. Determine whether to enable auto renewal. If you select <b>Auto Renewal</b> : <ul style="list-style-type: none"> <li>Your subscription will be renewed each month for monthly billing.</li> <li>Your subscription will be renewed each year for yearly billing.</li> </ul>	-

**Step 7** Click **Buy Now**.

The confirmation page is displayed.

- **Yearly/Monthly:** Confirm the vault configuration information, click **Submit**, and complete the payment as prompted.
- **Pay-per-use:** Confirm the vault configuration information and click **Submit**.

- Step 8** Return to the **Desktop Backups** page. You can see the created vault in the vault list.
- If a cloud desktop has been selected during vault creation, manually create a backup by referring to [Step 12](#) to [Step 14](#) or wait until the automatic backup is complete, and then restore the cloud desktop data by referring to [Step 15](#) to [Step 17](#).
  - If a cloud desktop has not been selected during vault creation, associate the cloud desktop by referring to [Step 9](#) to [Step 11](#), manually create a backup by referring to [Step 12](#) to [Step 14](#) or wait until the automatic backup is complete, and then restore the cloud desktop data by referring to [Step 15](#) to [Step 17](#).

### Associating a cloud desktop

This operation is required only when a cloud desktop was not selected during vault purchase in [Step 6](#) or when you need to add a cloud desktop to the vault.

- Step 9** On the **Desktop Backups** page, locate the desired vault and click **Associated Desktops**.
- Step 10** In the resource list, select the cloud desktops you want to back up. After desktops are selected, they are displayed in the list of selected desktops, as shown in [Figure 1-1](#).

**Figure 1-1** Associating a desktop



### NOTE

Select a desktop that is not bound to a vault and is in the **Running** or **Using** status.

- Step 11** Click **OK**.
- You can view the number of desktops that have been associated in the **Associated Desktops** column in the vault list.

### Creating a backup

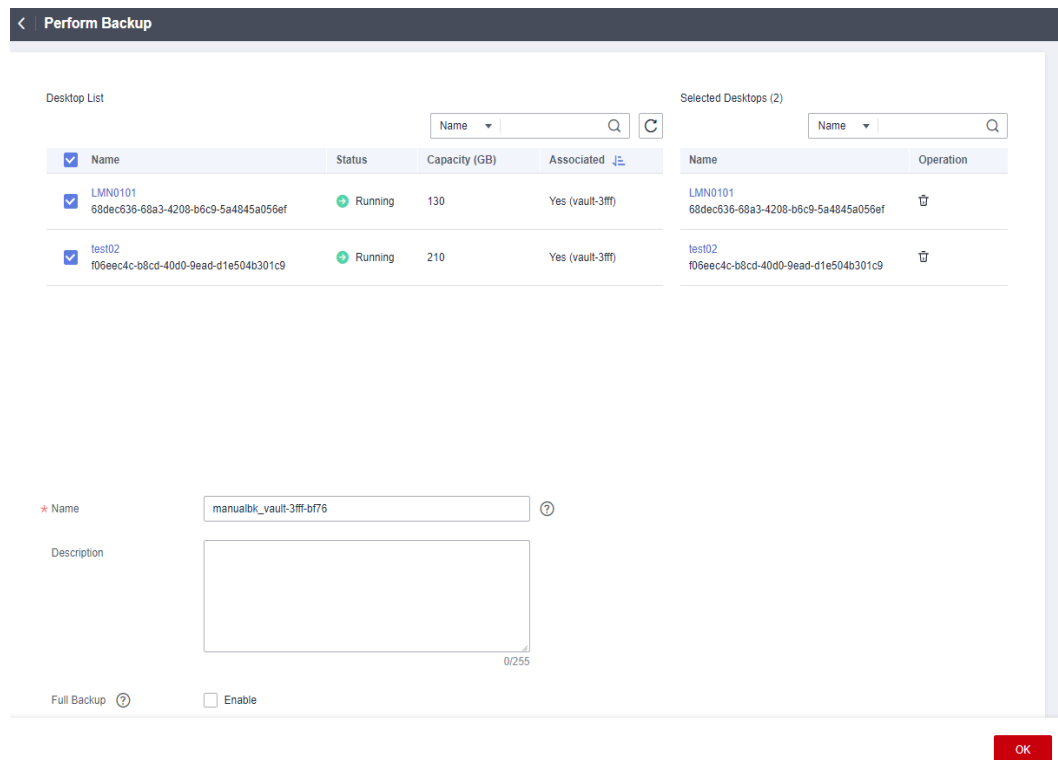
This operation is required only when automatic backup was not set during vault purchase in [Step 6](#) or when you need to manually create backup data beyond the automatic backup period.

- Step 12** On the **Desktop Backups** page, locate the desired vault and choose **More > Perform Backup**.

- Step 13** Select the cloud desktop for which you want to create a backup, set the backup name and description, and determine whether to enable full backup, as shown in [Figure 1-2](#).



**Figure 1-2** Configuring backup parameters



**Step 14** Click **OK**.

On the **Backups** tab page, if the status of the backup is **Available**, the backup task is successful.

### Restoring a cloud desktop

After the desktop backup data is generated, you can restore the data as required.

**Step 15** On the **Desktop Backups** page, switch to the **Backups** tab page.

**Step 16** Find the backup of the vault and cloud desktop, and click **Restore Data** in the row of the backup in the **Available** status, as shown in [Figure 1-3](#).

**Figure 1-3** Restoring data



### NOTICE

- The historical data at the backup point in time will overwrite the current desktop data. The restoration cannot be undone.
- Desktops are shut down when restoring ECSs. Perform a restoration job during off-peak hours.

If you deselect **Start the desktop immediately after restoration**, manually start the desktop after the restoration is complete.

**Step 17** Click **OK**.

You can check whether the data has been restored on the **Backups** tab page of desktop backup. When the status of the desktop becomes **Available**, the restoration is successful.

----**End**

# A Change History

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Release Date	Description
2022-12-26	This issue is the first official release.