Cloud Server Backup Service

Quick Start

Issue 02

Date 2019-02-23

Contents

1 Scenarios

CSBS supports one-off backup and periodic backup. A one-off backup job is manually created by users and takes effect for only one time. Periodic backup jobs are automatically driven by a user-defined backup policy.

Table 1-1 describes the two backup options.

Table 1-1 One-off backup and periodic backup

Item	One-Off Backup	Periodic Backup
Backup policy	None	Required
Number of backup operations	Only one, manual	Periodic operations driven by the backup policy
Backup name	User-defined backup name, which defaults to **manualbk_**_xxxx_	System-assigned backup name, which defaults to **autobk_**_xxxx_
Backup method	Full backup at the first time and incremental backup subsequently, by default	Full backup at the first time and incremental backup subsequently, by default
Application scenario	Executed before patching or upgrading the OS or upgrading an application on an ECS. A one-off backup can be used to restore an ECS to the original state in case the patching or upgrading fails.	Executed for routine maintenance of an ECS. The latest backup can be used to restore an ECS in case an unexpected failure or data loss occurs.

Users can also intermix the two backup options for a special need. For example, associate all ECSs with a backup policy to execute periodic backup of all ECSs, and manually perform one-off backups for the most important ECSs to further ensure those ECSs' data security, as shown in **Figure 1-1**.

Figure 1-1 Intermixed use of the two backup options
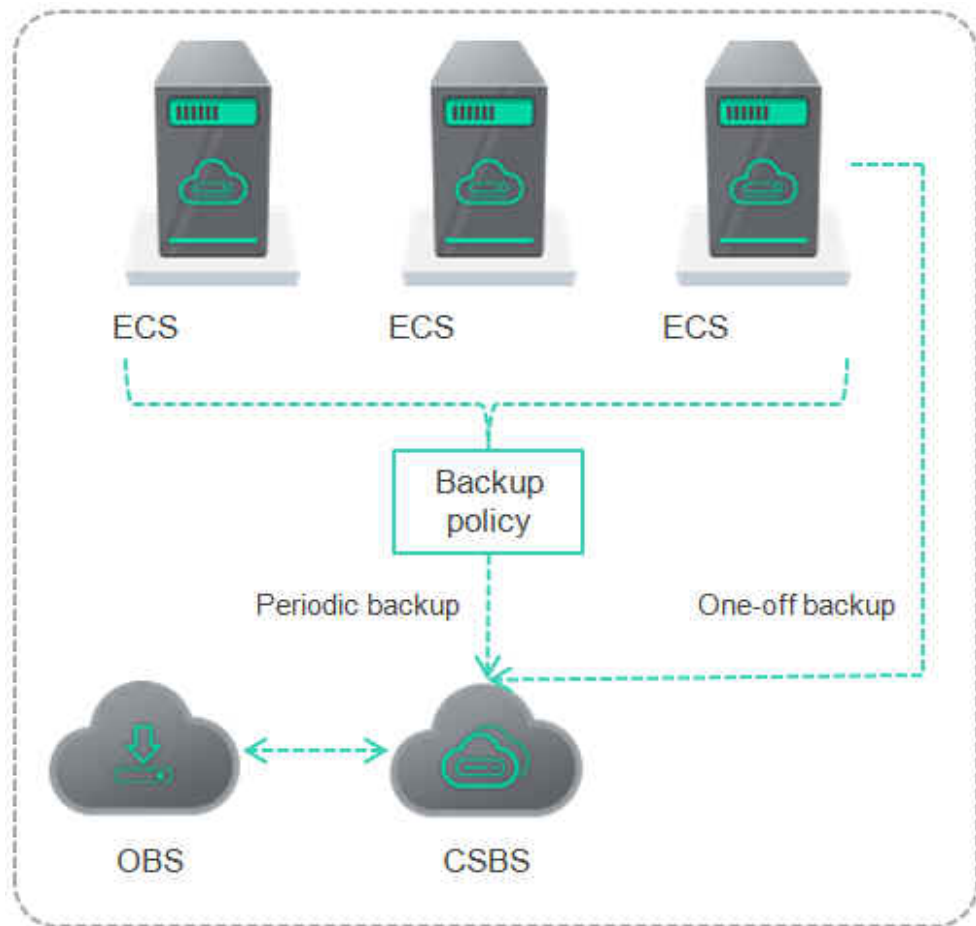
2 Creating a CSBS Backup

This section explains how to create CSBS backup jobs to protect ECS data.
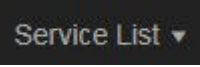
Prerequisites

- You have installed the required Agent software.
- If you want to use a backup to create an image, perform the following operations before creating a CSBS backup:
  - You have optimized the Linux ECS (referring to **(Optional) Optimizing a Linux Private Image**) and installed Cloud-Init (referring to **Installing Cloud-Init**).
  - You have optimized the Windows ECS (referring to **(Optional) Optimizing a Windows Private Image**) and installed Cloudbase-Init (referring to **Installing Cloudbase-Init**).

NOTICE

You are advised to perform application-consistent backup in off-peak hours.

Procedure

**Step 1** Log in to the CSBS management console.

1. Log in to the management console.

2. Click Service List ▼. Under **Storage**, click **Cloud Server Backup Service**.

Step 2 In the upper right corner of the page, click **Create CSBS Backup**.

Step 3 In the ECS list, select the ECSs you want to back up. After ECSs are selected, they are added to the list of selected ECSs. See **Figure 2-1**.
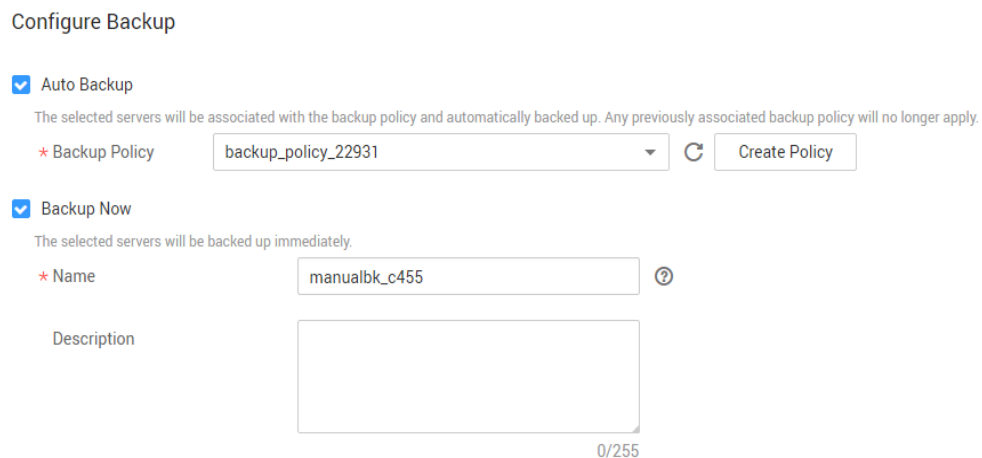
Figure 2-1 Selecting servers
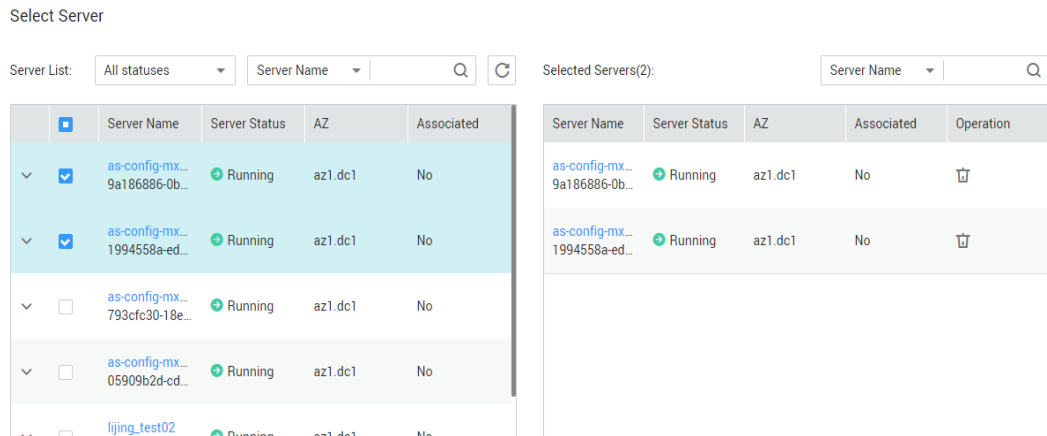
NOTE

- The selected ECSs must be in the **Running** or **Stopped** state.
- An ECS with shared EVS disks cannot be backed up.

Step 4 In the **Configure Backup** area, configure a backup scheme for the selected ECSs. See **Figure 2-2**.

Figure 2-2 Configuring backup schemes

- **Auto Backup**:

  In the **Backup Policy** drop-down list, select a backup policy. Alternatively, click **Create Policy** to create a backup policy.

  After a backup job is created, the selected ECSs are associated with the backup policy and will be periodically backed up according to the backup policy.

  ## NOTE

  If a selected ECS has been associated with another backup policy, it will be disassociated from the original backup policy automatically and then associated with the new backup policy.

- **Immediate Backup**:

  After a backup job is created, all selected ECSs will be backed up immediately for once.

  Set the **Name** and **Description** of the backup, as described in **Table 2-1**.

Table 2-1 Parameter description

| Parameter	Description	Remarks
Name	Name of the backup you are creating. It is a string of 1 to 255 characters that can contain only digits, letters, underscores (_), and hyphens (-). **NOTE** You can use the default name, which is in the format of **manualbk_**_xxxx_. If multiple ECSs are to be backed up, the system automatically adds suffixes to their names, for example, **backup-0001** and **backup-0002**.	manualbk_cbf0
Description	Supplementary information about the backup. It cannot exceed 255 characters.	--

You can select both the backup methods at the same time.

Step 5 Determine whether to select **Enable** next to **Application-Consistent Backup**. (This option is available for one-off backup.) If selected, the system will perform application-consistent backups. If you select **Continue to back up data after the application-consistent backup fails.** at the same time, the system will perform crash-consistent backup if the application-consistent backup job fails. Otherwise, the whole backup operation fails. **Figure 2-3** displays an example.

📖 **NOTE**

Before using application-consistent backup, change the security group and install the Agent. For details, see **Enabling Application-Consistent Backup**.

Figure 2-3 Application-consistent backup

Application-Consistent Backup ☑ Enable ⓘ

☑ Continue to back up data after the application-consistent backup fails.

Install Agent before enabling application-consistent backup. Otherwise, application-consistent backup jobs will fail.
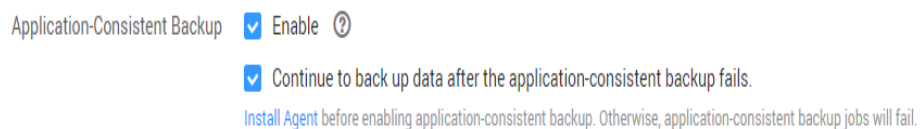
Step 6 Click **Next**.

Step 7 On the **Confirm** page, confirm resource details and click **Submit**.

Step 8 Return to the CSBS page as prompted.

- Auto Backup

  On the **Policies** tab page, click ⌄ on the left of the backup policy name. If all selected ECSs are displayed under **Associated Servers**, they are associated

with the backup policy successfully, and automatic backup will be periodically performed as scheduled.

● Immediate Backup

On the **Backups** tab page, if the generated backups are in the **Available** state, the one-off backup job is successful.

----End

3 Change History

Release Date	What's New
2019-02-23	This issue is the second official release. Modified the following content: Added content related to application-consistent backup.
2018-11-19	This issue is the first official release.