Cloud Server Backup Service

Quick Start

 Issue
 02

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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.

ltem	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_ <i>xxxx</i>	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.		

Table 1-1 One-off backup and periodic backup

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



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.

Sele	Select Server										
Serve	er List:	All statuses	▼ Server	Name 🔻	QC		Selected Servers(2):		Server Name 🔹	Q
		Server Name	Server Status	AZ	Associated		Server Name	Server Status	AZ	Associated	Operation
~		<mark>as-config-mx</mark> 9a186886-0b	Running	azl.dcl	No		<mark>as-config-mx</mark> 9a186886-0b	Running	az1.dc1	No	ប់
~		as-config-mx 1994558a-ed	Running	azl.dcl	No		as-config-mx 1994558a-ed	Running	az1.dc1	No	Ū
~		as-config-mx 793cfc30-18e	Running	azl.dcl	No						
~		as-config-mx 05909b2d-cd	Running	azl.dcl	No						
~		lijing_test02	🕤 Runnina	azl dcl	No						

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

Configure Backup

* Backup Policy	backup_policy_22931	- C	Create Policy
Backup Now			
The selected servers will	be backed up immediately.		
* Name	manualbk_c455	0	
Description			
		0/255	

• 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 P	Parameter	description
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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 (-).	manualbk_cbf 0
	NOTE You can use the default name, which is in the format of manualbk _ <i>xxxx</i> .	
	If multiple ECSs are to be backed up, the system automatically adds suffixes to their names, for example, backup-0001 and backup-0002 .	
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



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 \checkmark 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.