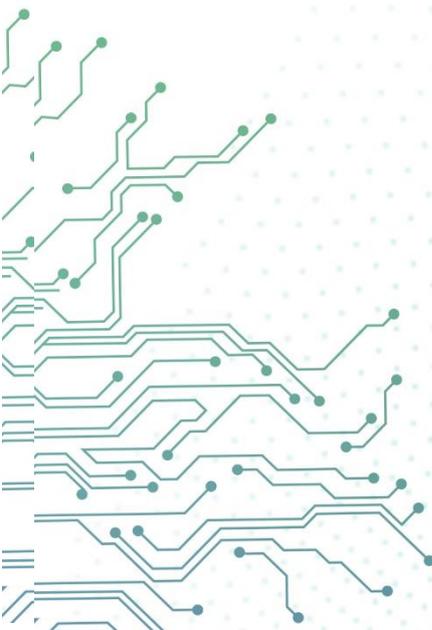




aCloud

ISCSI External Storage Configuration Guides

Version 5.8.8R1



Change Log

Date	Change Description
Oct 25, 2019	Version 5.8.8R1 document release.

CONTENT

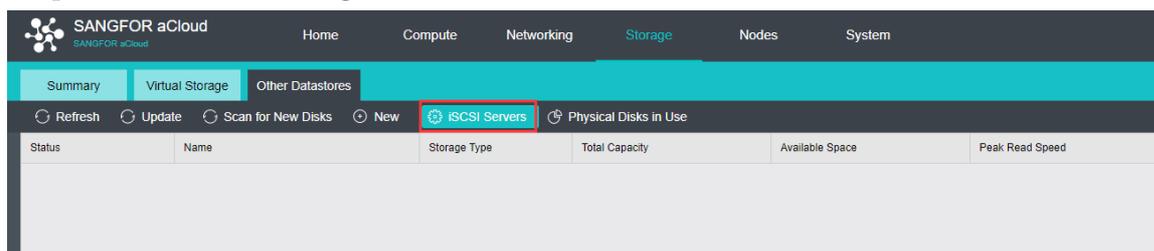
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Chapter 1 Background

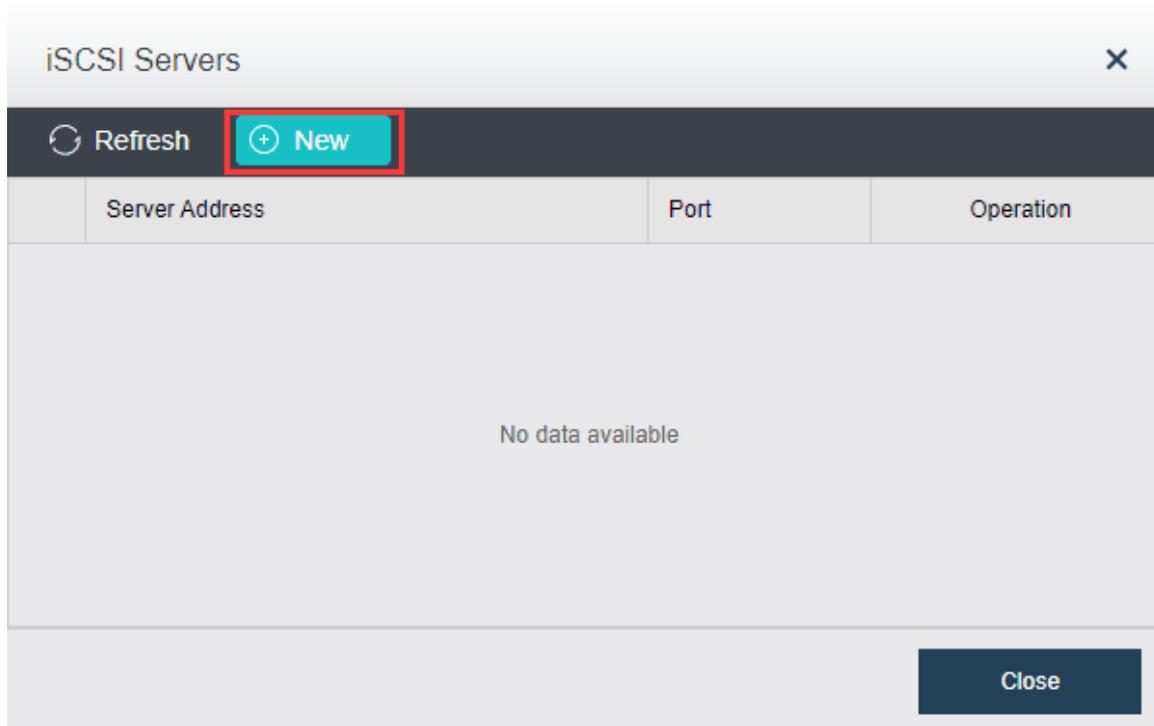
aCloud supports adding iSCSI, FC, NFS and Samba storage as external backup storage. However, virtual machine only support run in virtual storage, iSCSI and FC storage. Instead, we **do not recommend** to add iSCSI storage via VPN connection. iSCSI clients are not designed to tolerant latency or reordered fragmented packets.

Chapter 2 Configuration guidelines

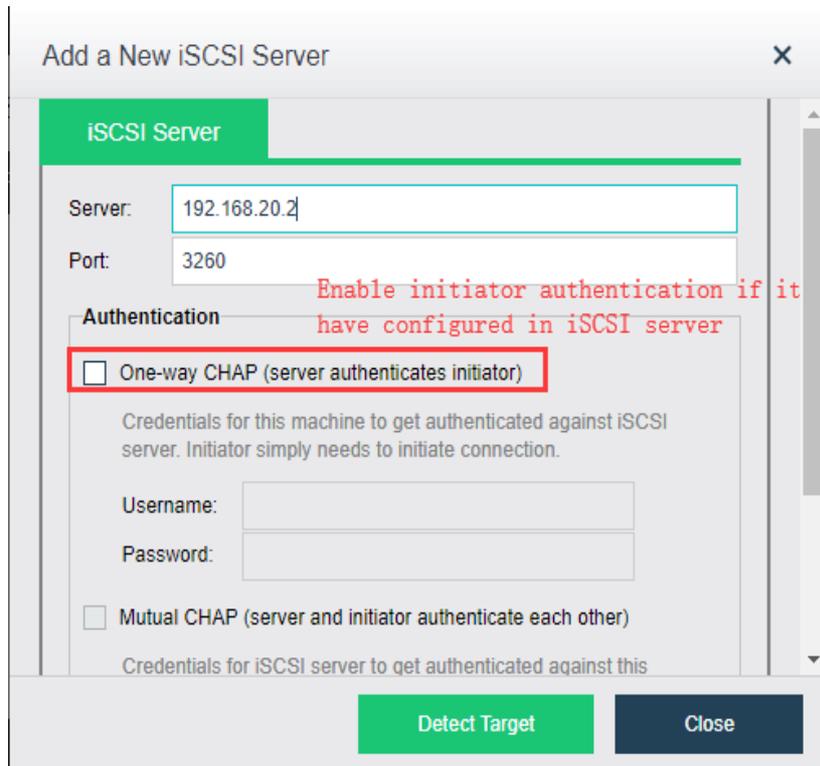
1. Open in the console [Storage] > [Other Datastores], select iSCSI Server



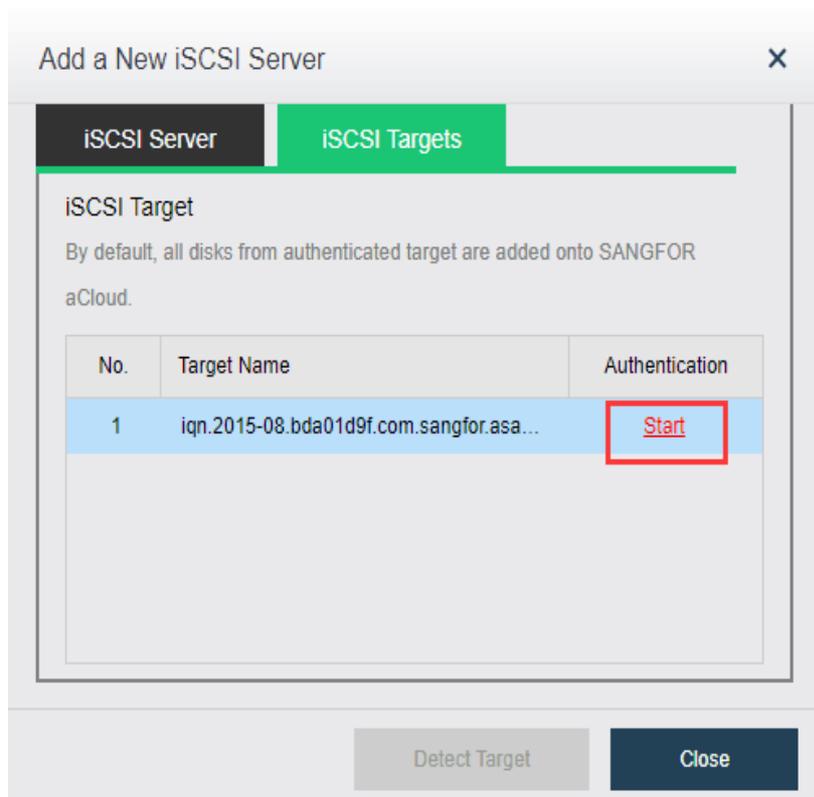
2. Select [New]

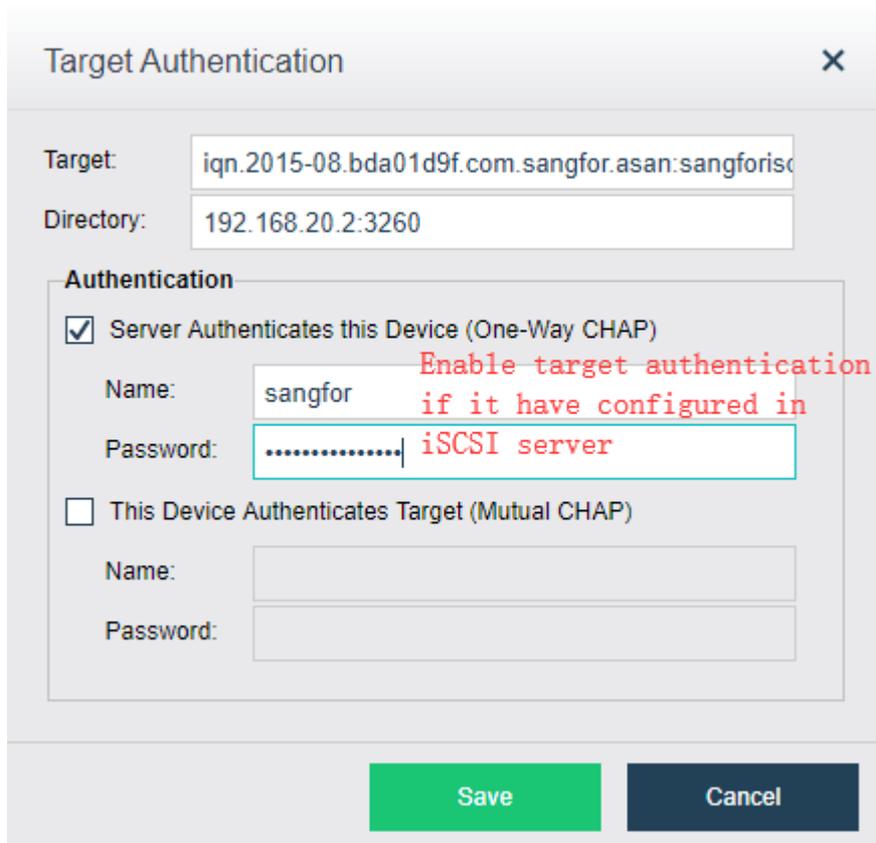


3. Configure server's IP address, port, and associated authentication information. Click on the [Detect target] after configuration.



4. Select iSCSI targets and click on start to configuration the authentication setting.





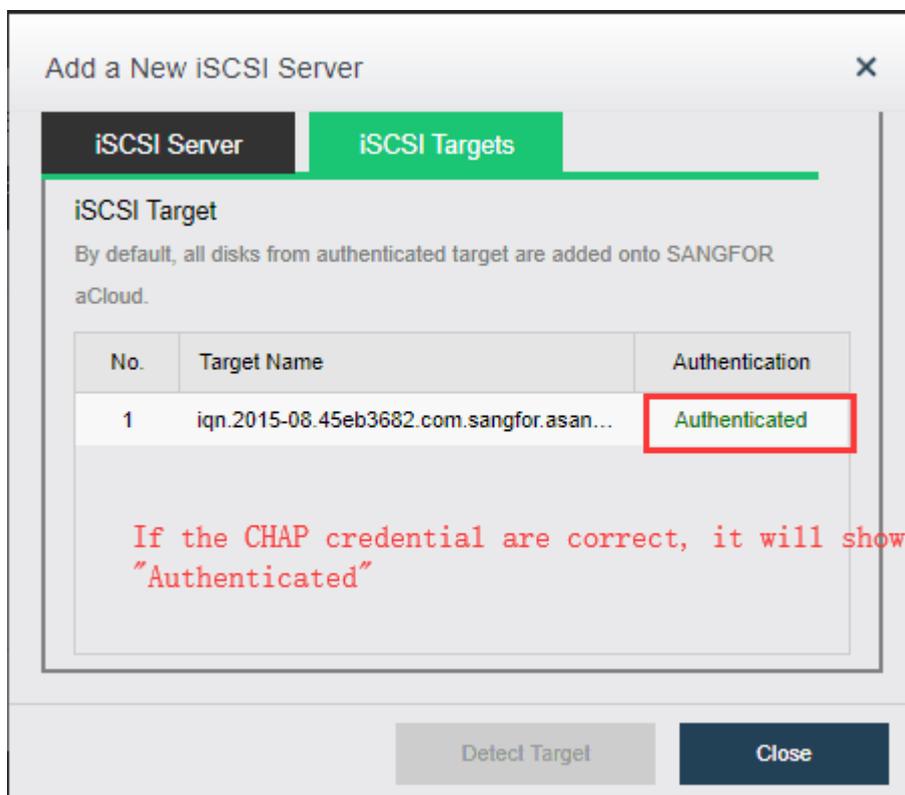
The dialog box is titled "Target Authentication" and contains the following fields and options:

- Target:** iqn.2015-08.bda01d9f.com.sangfor.asan:sangforisc
- Directory:** 192.168.20.2:3260
- Authentication:**
 - Server Authenticates this Device (One-Way CHAP)**
 - Name:** sangfor
 - Password:**
 - This Device Authenticates Target (Mutual CHAP)**
 - Name:** [Empty]
 - Password:** [Empty]

Red text annotation: "Enable target authentication if it have configured in iSCSI server" is placed over the "Server Authenticates this Device" section.

Buttons: Save (green), Cancel (dark blue)

It will change the status "start" to "Authenticated" if the CHAP credential is correct, else it will stay in "Start" status.



The dialog box is titled "Add a New iSCSI Server" and has two tabs: "iSCSI Server" and "iSCSI Targets". The "iSCSI Targets" tab is active.

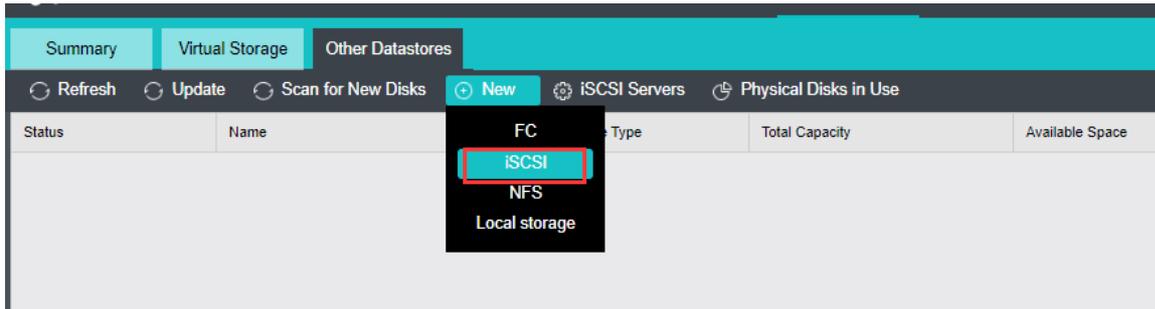
iSCSI Target
By default, all disks from authenticated target are added onto SANGFOR aCloud.

No.	Target Name	Authentication
1	iqn.2015-08.45eb3682.com.sangfor.asan...	Authenticated

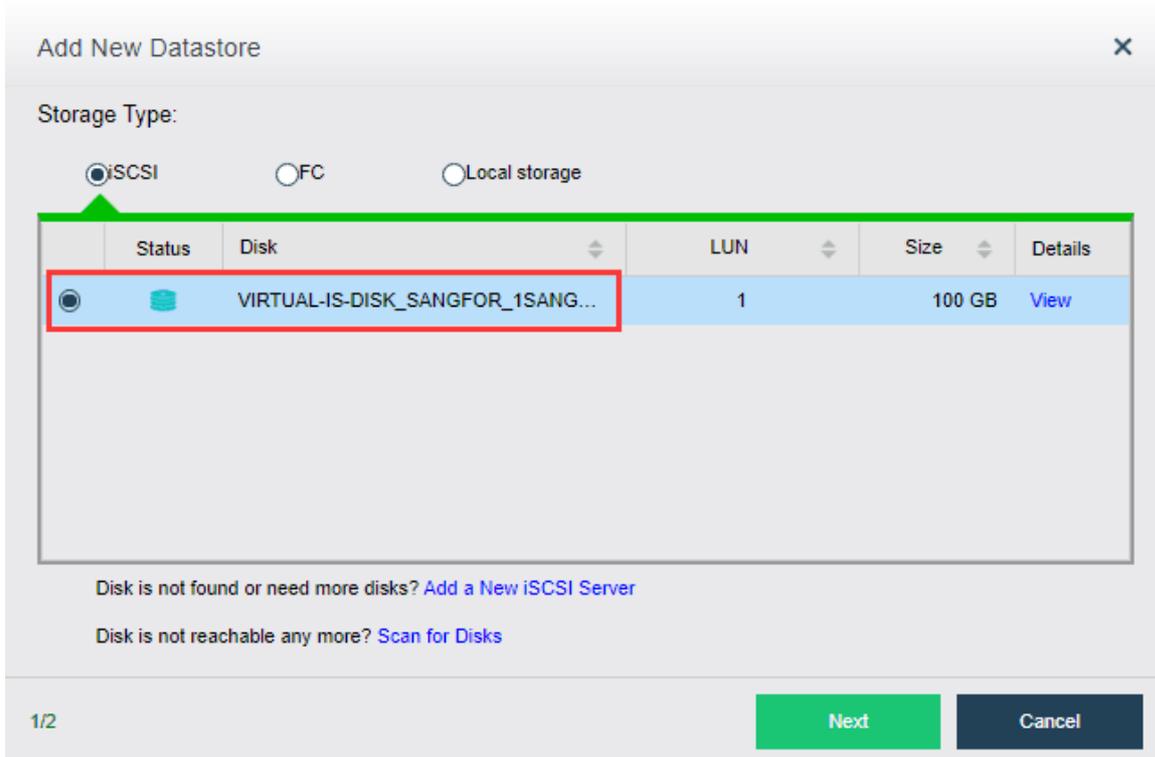
Red text annotation: "If the CHAP credential are correct, it will show 'Authenticated'" is placed below the table.

Buttons: Detect Target (grey), Close (dark blue)

5. Click on [New] > [iSCSI]



6. Select iSCSI, select the appropriate volume to add.



6. After adding, you need to configure the accessible host as the host in all current cluster.

Add New Datastore [X]

Datastore:

Description:

Connect To Node

<input checked="" type="checkbox"/>	Node Name	IP
<input checked="" type="checkbox"/>	192.168.20.3	192.168.20.3

Allow concurrent initiators if want to connect multiple nodes to the iSCSI server.

Add this datastore to VM backup repositories as well ⓘ

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Back **OK** **Cancel**

7. Enter admin password to confirm operation.

Message [X]

 Disk would be formatted if you add the disk into storage. Formatted data cannot be restored any more. Are you sure that you want to continue?

Enter admin password to confirm operation:

OK **Cancel**

Precaution

For the first time usage, Sangfor aCloud will format the iSCSI storage as “sffs” types. Hence, it is important to make sure there are no important data before added as storage in Sangfor aCloud,



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