Getting started with Cloud Data Sense for Azure NetApp Files

Cloud Manager

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July 02, 2021

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Complete a few steps to get started with Cloud Data Sense for Azure NetApp Files.

Quick start

Get started quickly by following these steps, or scroll down to the remaining sections for full details.

Discover the data sources that contain the data you want to scan

Before you can scan Azure NetApp Files volumes, Cloud Manager must be set up to discover the configuration.

Deploy the Cloud Data Sense instance

Deploy Cloud Data Sense in Cloud Manager if there isn't already an instance deployed.

Enable Cloud Data Sense and select the volumes to scan

Click **Compliance**, select the **Configuration** tab, and activate compliance scans for volumes in specific working environments.

Ensure access to volumes

Now that Cloud Data Sense is enabled, ensure that it can access all volumes.

- The Cloud Data Sense instance needs a network connection to each Azure NetApp Files subnet.
- Make sure these ports are open to the Data Sense instance:
  - For NFS – ports 111 and 2049.
  - For CIFS – ports 139 and 445.
- NFS volume export policies must allow access from the Data Sense instance.
- Data Sense needs Active Directory credentials to scan CIFS volumes.

  Click **Compliance** > **Configuration** > **Edit CIFS Credentials** and provide the credentials.

Manage the volumes you want to scan

Select or deselect the volumes that you want to scan and Cloud Data Sense will start or stop scanning them.

Discovering the data sources that you want to scan

If the data sources you want to scan are not already in your Cloud Manager environment, you can add them to the canvas at this time.

For Azure NetApp Files, Cloud Manager must be set up to discover the configuration.

Deploying the Cloud Data Sense instance

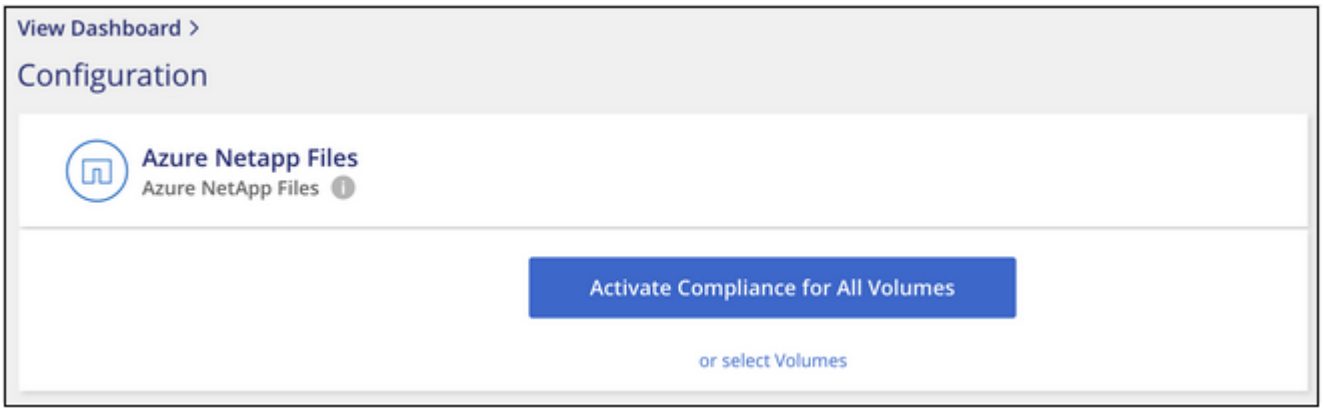
Deploy Cloud Data Sense if there isn't already an instance deployed.

Data Sense must be deployed in the cloud when scanning Azure NetApp Files volumes, and it must be deployed in the same region as the volumes you wish to scan.

Enabling Cloud Data Sense in your working environments

You can enable Cloud Data Sense on your Azure NetApp Files volumes.

1. At the top of Cloud Manager, click **Data Sense** and then select the **Configuration** tab.



2. To scan all volumes in a working environment, click **Activate Scanning for All Volumes**.

   When enabled in this manner, full "mapping and classification" scanning is performed on all volumes.

   If you want to enable scanning only for certain volumes, or if you only want to perform "mapping-only" scanning, click **or select Volumes** and then choose the volumes you want to scan.

See Enabling and disabling compliance scans on volumes for details.

Result

Cloud Data Sense starts scanning the volumes you selected in the working environment. Results will be available in the Compliance dashboard as soon as Cloud Data Sense finishes the initial scans. The time that it takes depends on the amount of data—it could be a few minutes or hours.

Verifying that Cloud Data Sense has access to volumes

Make sure that Cloud Data Sense can access volumes by checking your networking, security groups, and export policies. You'll need to provide Data Sense with CIFS credentials so it can access CIFS volumes.

Steps

1. Make sure that there's a network connection between the Cloud Data Sense instance and each network that includes volumes for Azure NetApp Files.

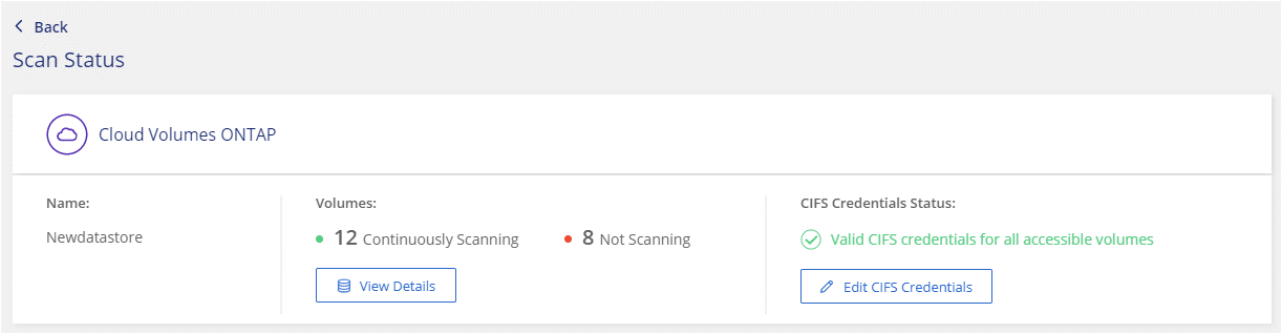
   For Azure NetApp Files, Cloud Data Sense can only scan volumes that are in the same region as Cloud Manager.

2. Ensure the following ports are open to the Data Sense instance:
   - For NFS – ports 111 and 2049.
   - For CIFS – ports 139 and 445.
3. Ensure that NFS volume export policies include the IP address of the Data Sense instance so it can access the data on each volume.
4. If you use CIFS, provide Data Sense with Active Directory credentials so it can scan CIFS volumes.
   a. At the top of Cloud Manager, click **Data Sense**.
   b. Click the **Configuration** tab.

   c. For each working environment, click **Edit CIFS Credentials** and enter the user name and password that Data Sense needs to access CIFS volumes on the system.

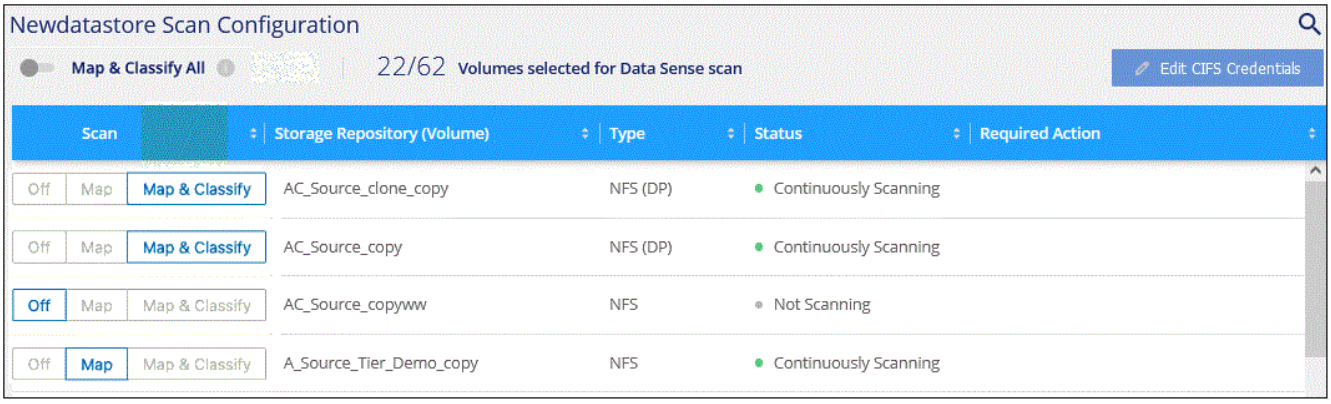
      The credentials can be read-only, but providing admin credentials ensures that Data Sense can read any data that requires elevated permissions. The credentials are stored on the Cloud Data Sense instance.

      After you enter the credentials, you should see a message that all CIFS volumes were authenticated successfully.



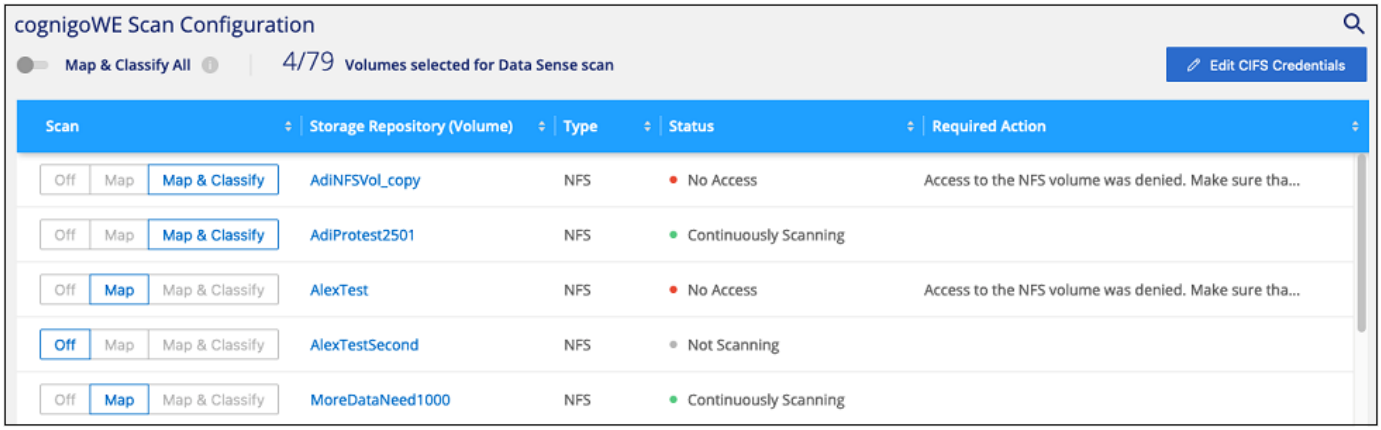
5. On the *Configuration* page, click **View Details** to review the status for each CIFS and NFS volume and correct any errors.

   For example, the following image shows three volumes; one of which Cloud Data Sense can't scan due to network connectivity issues between the Data Sense instance and the volume.



Enabling and disabling compliance scans on volumes

You can stop or start mapping scans, or mapping and classification scans, in a working environment at any time from the Configuration page. We recommend that you scan all volumes.



To:	Do this:
Enable mapping-only scans on a volume	Click **Map**
Enable full scanning on a volume	Click **Map & Classify**
Enable full scanning on all volumes	Move the **Map & Classify All** slider to the right
Disable scanning on a volume	Click **Off**
Disable scanning on all volumes	Move the **Map & Classify All** slider to the left

New volumes added to the working environment are automatically scanned only when the **Activate Compliance for all Volumes** setting is enabled. When this setting is disabled, you'll need to activate scanning on each new volume you create in the working environment.