



Get started with Cloud Data Sense for Amazon FSx for ONTAP

Cloud Manager

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Get started with Cloud Data Sense for Amazon FSx for ONTAP

Complete a few steps to get started with Cloud Data Sense for FSx for ONTAP.

Before you begin

- You need an active Connector in AWS to deploy and manage Data Sense.
- The security group you selected when creating the working environment must allow traffic from the Cloud Data Sense instance. You can find the associated security group using the ENI connected to the FSx for ONTAP file system and edit it using the AWS Management Console.

[AWS security groups for Linux instances](#)

[AWS security groups for Windows instances](#)

[AWS elastic network interfaces \(ENI\)](#)



At this time, you can scan NFS volumes only.

Quick start

Get started quickly by following these steps or scroll down for full details.



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

Before you can scan FSx for ONTAP volumes, [you must have an FSx working environment with volumes configured](#).



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 **Data Sense**, 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 FSx for ONTAP subnet.

- Make sure NFS ports 111 and 2049 are open to the Data Sense instance.
- NFS volume export policies must allow access from the Data Sense instance.



Manage the volumes you want to scan

Select or deselect the volumes 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 FSx for ONTAP, [Cloud Manager must be set up to discover the configuration](#).

Deploying the Cloud Data Sense instance

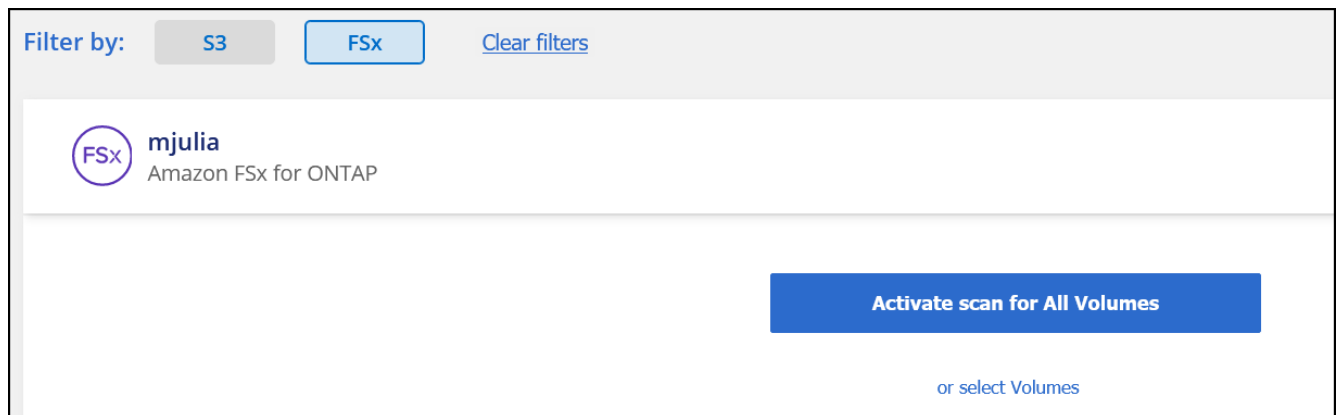
[Deploy Cloud Data Sense](#) if there isn't already an instance deployed.

Data Sense should be deployed in the same AWS network as the Connector for AWS and the FSx volumes you wish to scan.

Enabling Cloud Data Sense in your working environments

You can enable Cloud Data Sense for FSx for ONTAP 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 Cloud Data Sense can access volumes by checking your networking, security groups, and export policies.

Steps

1. On the *Configuration* page, click **View Details** to review the status and correct any errors.

For example, the following image shows a volume Cloud Data Sense can't scan due to network connectivity issues between the Data Sense instance and the volume.

Scan	Storage Repository (Volume)	Type	Status	Required Action
<div>OffMapMap & Classify</div>	jrmclone	NFS	No Access	Check network connectivity between the Data Sense ...

2. Make sure there's a network connection between the Cloud Data Sense instance and each network that includes volumes for FSx for ONTAP.



For FSx for ONTAP, Cloud Data Sense can scan volumes only in the same region as Cloud Manager.

3. Ensure NFS ports 111 and 2049 are open to the Data Sense instance.
4. Ensure NFS volume export policies include the IP address of the Data Sense instance so it can access the data on each 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.

cognitoWE Scan Configuration				
<div>Map & Classify All</div>		4/79 Volumes selected for Data Sense scan		<div>Edit CIFS Credentials</div>
Scan	Storage Repository (Volume)	Type	Status	Required Action
<div>OffMapMap & Classify</div>	AdiNFSVol_copy	NFS	No Access	Access to the NFS volume was denied. Make sure tha...
<div>OffMapMap & Classify</div>	AdiProtest2501	NFS	Continuously Scanning	
<div>OffMapMap & Classify</div>	AlexTest	NFS	No Access	Access to the NFS volume was denied. Make sure tha...
<div>OffMapMap & Classify</div>	AlexTestSecond	NFS	Not Scanning	
<div>OffMapMap & Classify</div>	MoreDataNeed1000	NFS	Continuously Scanning	

To:	Do this:
Enable mapping-only scans on a volume	Click Map
Enable full scanning on a volume	Click Map & Classify

To:	Do this:
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.

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