



Manage the storage backend

Astra Control Center

Ann-Marie Grissino, Dave Bagwell
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Manage the storage backend

Managing storage clusters in Astra Control as a storage backend enables you to get linkages between persistent volumes (PVs) and the storage backend as well as additional storage metrics. You can monitor storage capacity and health details, including performance if Astra Control Center is connected to Cloud Insights.

For instructions on how to manage storage backends using the Astra API, see the [Astra Automation and API information](#).

You can complete the following tasks related to managing a storage backend:

- [Add a storage backend](#)
- [View storage backend details](#)
- [Unmanage a storage backend](#)

View storage backend details

You can view storage backend information from the Dashboard or from the Backends option.

View storage backend details from the Dashboard

Steps

1. From the left navigation, select **Dashboard**.
2. Review the Storage backend section that shows the state:
 - **Unhealthy**: The storage is not in an optimal state. This could be due to a latency issue or an app is degraded due to a container issue, for example.
 - **All healthy**: The storage has been managed and is in an optimal state.
 - **Discovered**: The storage has been discovered, but not managed by Astra Control.

View storage backend details from the Backends option

View information about the backend health, capacity, and performance (IOPS throughput and/or latency).

With a connection to Cloud Insights, you can see the volumes that the Kubernetes apps are using, which are stored on a selected storage backend.

Steps

1. In the left navigation area, select **Backends**.
2. Select the storage backend.



If you connected to NetApp Cloud Insights, excerpts of data from Cloud Insights appear on the Backends page.

The screenshot displays the NetApp Astra interface for a storage instance. The top navigation bar includes 'Dashboard', 'MANAGE YOUR APPS' (Apps, Clusters), 'MANAGE YOUR STORAGE' (Backends, Buckets), and 'MANAGE YOUR ACCOUNT' (Account, Activity, Support). The main content area for 'Umeng-Aff300-05-06' shows:

- Storage backend status:** Healthy (green checkmark).
- Capacity (Physical):** 37.3% used, 7.93/21.28 TiB.
- Performance (Last 24 hrs):** A line graph showing throughput in MB/s over time.
- BASIC INFORMATION:** Type ONTAP 9.7.0, Cloud private, Credentials Updated 2021/07/28 21:44 UTC.
- NETWORK:** Cluster management IP address.
- Persistent volumes:** A table listing 14 entries with columns for Name, Persistent volume, Capacity, App/s, Clusters, and Cloud.

Name	Persistent volume	Capacity	App/s	Clusters	Cloud
trident_pvc_...	pvc_...	0.04/46.57 GiB: 0.1%	netapp-acc	opensehift-cluster010	private
trident_pvc_...	pvc_...	0.34/23.28 GiB: 1.44%	netapp-acc	opensehift-cluster010	private
trident_pvc_...	pvc_...	0.02/0.93 GiB: 2.33%	netapp-acc	opensehift-cluster010	private
trident_pvc_...	pvc_...	3.02/50.00 GiB: 6.04%	netapp-acc polaris-mongodb-mongodb	opensehift-cluster010	private
trident_pvc_...	pvc_...	0.19/8.00 GiB: 2.39%	apps-mysql mysql-mysql	opensehift-cluster010	private
trident_pvc_...	pvc_...	0.41/50.00 GiB: 0.81%	netapp-acc polaris-influxdb2-polaris-influxdb2	opensehift-cluster010	private
trident_pvc_...	pvc_...	2.93/50.00 GiB: 5.87%	netapp-acc polaris-mongodb-mongodb	opensehift-cluster010	private
trident_pvc_...	pvc_...	0.03/10.00 GiB: 0.26%	netapp-acc polaris-consul-consul	opensehift-cluster010	private

3. To go directly to Cloud Insights, click the **Cloud Insights** icon next to the metrics image.

Unmanage a storage backend

You can unmanage the backend.

Steps

1. From left navigation, select **Backends**.
2. Select the backend storage.
3. From the Actions menu, select **Unmanage**.
4. Type "unmanage" to confirm the removal.
5. Select **Yes, remove storage backend**.

Find more information

- [Use the Astra API](#)

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