



# Monitor app and cluster health

## Astra Control Center

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# Monitor app and cluster health

## View a summary of app and cluster health

Select the **Dashboard** to see a high-level view of your apps, clusters, storage backends, and their health.

These aren't just static numbers or statuses—you can drill down from each. For example, if apps aren't fully protected, you can hover over the icon to identify which apps aren't fully protected, which includes a reason why.

### Applications tile

The **Applications** tile helps you identify the following:

- How many apps you're currently managing with Astra.
- Whether those managed apps are healthy.
- Whether the apps are fully protected (they're protected if recent backups are available).
- The number of apps that were discovered, but are not yet managed.

Ideally, this number would be zero because you would either manage or ignore apps after they're discovered. And then you would monitor the number of discovered apps on the Dashboard to identify when developers add new apps to a cluster.

### Clusters tile

The **Clusters** tile provides similar details about the health of the clusters that you are managing by using Astra Control Center, and you can drill down to get more details just like you can with an app.

### Storage backends tile

The **Storage backends** tile provides information to help you identify the health of storage backends including:

- How many storage backends are managed
- Whether these managed backends are healthy
- Whether the backends are fully protected
- The number of backends that are discovered, but are not yet managed.

## View cluster health and manage storage classes

After you add clusters to be managed by Astra Control Center, you can view details about the cluster, such as its location, the worker nodes, persistent volumes, and storage classes. You can also change the default storage class for managed clusters.

### View cluster health and details

You can view details about the cluster, such as its location, the worker nodes, persistent volumes, and storage

classes.

### Steps

1. In the Astra Control Center UI, select **Clusters**.
2. On the **Clusters** page, select the cluster whose details you want to view.



If a cluster is in `removed` state yet cluster and network connectivity appears healthy (external attempts to access the cluster using Kubernetes APIs are successful), the kubeconfig you provided to Astra Control might no longer be valid. This can be due to certificate rotation or expiration on the cluster. To correct this issue, update the credentials associated with the cluster in Astra Control using the [Astra Control API](#).

3. View the information on the **Overview**, **Storage**, and **Activity** tabs to find the information that you're looking for.
  - **Overview**: Details about the worker nodes, including their state.
  - **Storage**: The persistent volumes associated with the compute, including the storage class and state.
  - **Activity**: Shows the activities related to the cluster.



You can also view cluster information starting from the Astra Control Center **Dashboard**. On the **Clusters** tab under **Resource summary**, you can select the managed clusters, which takes you to the **Clusters** page. After you get to the **Clusters** page, follow the steps outlined above.

## Change the default storage class

You can change the default storage class for a cluster. When Astra Control manages a cluster, it keeps track of the cluster's default storage class.



Do not change the storage class using `kubectl` commands. Use this procedure instead. Astra Control will revert the changes if made using `kubectl`.

### Steps

1. In the Astra Control Center web UI, select **Clusters**.
2. On the **Clusters** page, select the cluster that you want to change.
3. Select the **Storage** tab.
4. Select the **Storage classes** category.
5. Select the **Actions** menu for the storage class that you want to set as default.
6. Select **Set as default**.

## View the health and details of an app

After you start managing an app, Astra Control provides details about the app that enables you to identify its status (whether it's healthy), its protection status (whether it's fully protected in case of failure), the pods, persistent storage, and more.

### Steps

1. In the Astra Control Center UI, select **Applications** and then select the name of an app.

## 2. Review the information.

- **App Status:** Provides a status that reflects the app's state in Kubernetes. For example, are pods and persistent volumes online? If an app is unhealthy, you'll need to go and troubleshoot the issue on the cluster by looking at Kubernetes logs. Astra doesn't provide information to help you fix a broken app.
- **App Protection Status:** Provides a status of how well the app is protected:
  - **Fully protected:** The app has an active backup schedule and a successful backup that's less than a week old
  - **Partially protected:** The app has an active backup schedule, an active snapshot schedule, or a successful backup or snapshot
  - **Unprotected:** Apps that are neither fully protected or partially protected.

*You can't be fully protected until you have a recent backup.* This is important because backups are stored in an object store away from the persistent volumes. If a failure or accident wipes out the cluster and it's persistent storage, then you need a backup to recover. A snapshot wouldn't enable you to recover.

- **Overview:** Information about the state of the pods that are associated with the app.
- **Data protection:** Enables you to configure a data protection policy and to view the existing snapshots and backups.
- **Storage:** Shows you the app-level persistent volumes. The state of a persistent volume is from the perspective of the Kubernetes cluster.
- **Resources:** Enables you to verify which resources are being backed up and managed.
- **Activity:** Shows the activities related to the app.



You can also view app information starting from the Astra Control Center **Dashboard**. On the **Applications** tab under **Resource summary**, you can select the managed apps, which takes you to the **Applications** page. After you get to the **Applications** page, follow the steps outlined above.

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