View app and cluster health

Project Astra

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View app and cluster health

View a summary of app and cluster health

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

[screenshot dashboard]

The Apps 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.

Note that these aren't just numbers or statuses—you can drill down from each of these. For example, if you have an unhealthy app, you can hover over the icon to identify which app has an issue and what the issue is. You can then go to the cluster to correct the issue.

[screenshot dashboard healthy]

The Compute tile provides similar details about the health of your clusters and you can drill down to get more details just like you can with an app.

View the health and details of a cluster

After you add a cluster to the Astra beta program, you can view details about the cluster, such as its location, the worker nodes, persistent volumes, and storage classes.

Steps

1. Click **Compute**.
2. Click the name of a cluster.
3. View the information in the **Overview** and **Storage** 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 cluster, including the storage class and state.

  [A screenshot of the Overview tab for a cluster.]

View the health and details of an app

After you start managing an app, Astra 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.

[screenshot app overview]

Steps

1. Click **Apps** and then click the name of an app.
2. Click around to find the information that you're looking for:

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. An app is either Fully Protected (it has a recent backup), Partially Protected (it has a data protection schedule or active snapshots, but no recently successful backup), or it's Unprotected.

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.

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.

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