



View app and compute health

Astra Control Service

NetApp
December 16, 2021

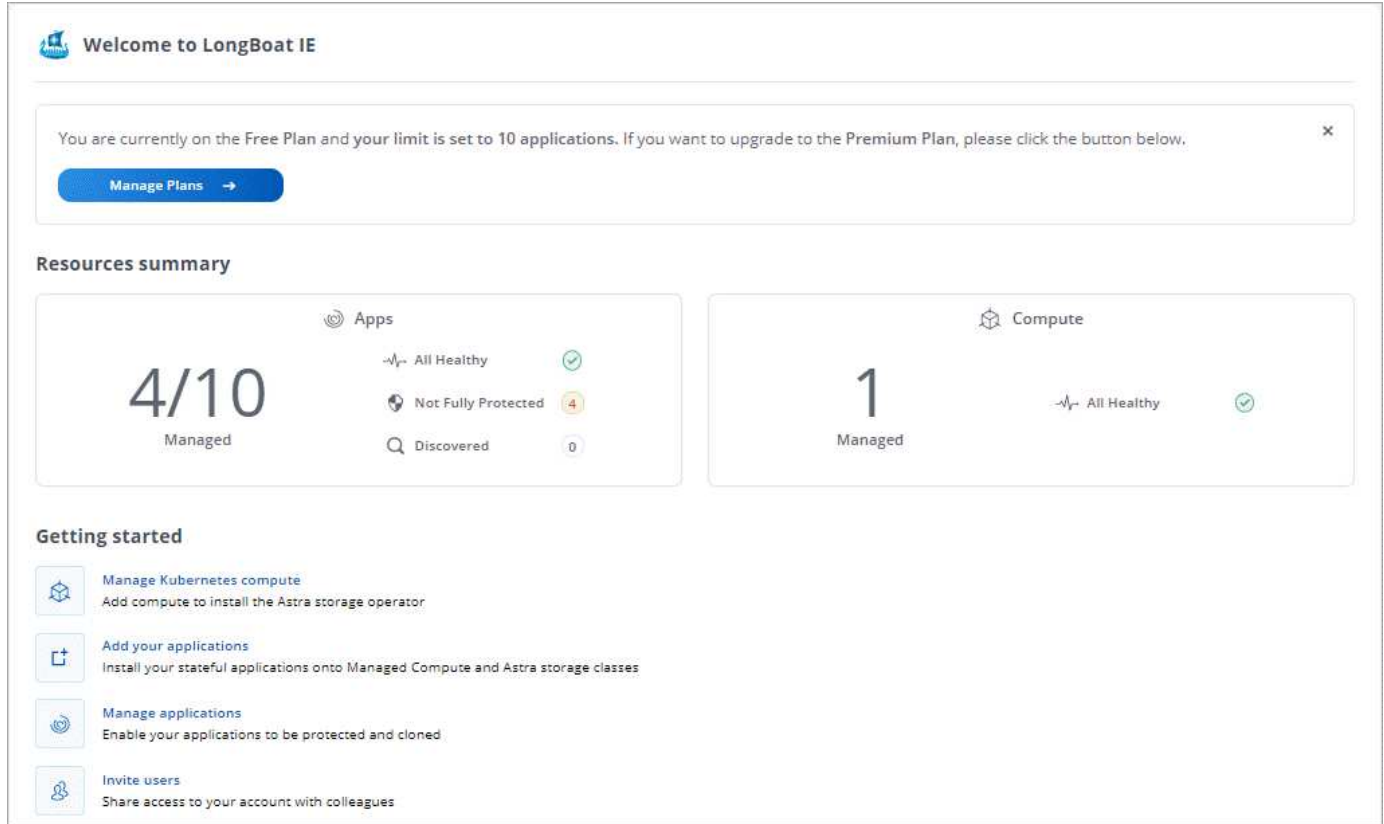
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View app and compute health

View a summary of app and cluster health

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

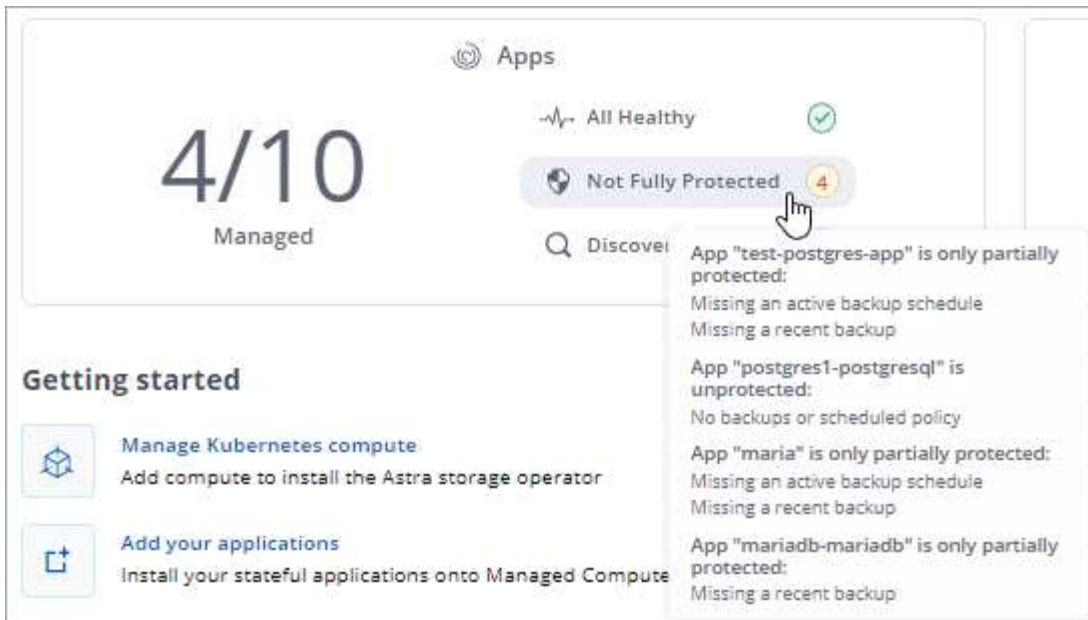


The Apps tile helps you identify the following:

- How many apps you're currently managing.
- 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 apps aren't fully protected, you can hover over the icon to identify which apps aren't fully protected, which includes a reason why.




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

View the health and details of clusters

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

Steps

1. Select **Clusters**.
2. Select the cluster name.
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.
 - **Activity**: The Astra activities related to the cluster.




ben-cluster

Available

Version

v1.18.16-gke.302

Location

 northamerica-northeast1

Provisioners

Trident 21.01.2-custom+49f...

Overview

Storage

Activity

Search

1-7 of 7 entries

<

>

Worker Nodes ↓	Node size	Public IP	Memory	CPUs	Created	State
gke-ben-cluster-default-pool-6e469af1-j0xx	e2-medium	35.203.80.144	3.84 GiB	2 vCPUs	2021/04/07 15:51 UTC	Running
gke-ben-cluster-default-pool-6e469af1-kqn3	e2-medium	35.203.108.92	3.84 GiB	2 vCPUs	2021/04/07 15:51 UTC	Running
gke-ben-cluster-default-pool-e493d6b5-7hhr	e2-medium	34.95.15.242	3.84 GiB	2 vCPUs	2021/04/07 15:51 UTC	Running

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.

jenkins-jenkins

Available

App Status

Healthy

App Protection Status

Partially Protected

Images

docker.io/bitnami/jenkins:2.277.1-debian-10-r2

Protection Schedule

Every hour on the hour
Daily at 02:00 (UTC)
Weekly on Mondays at 02:00...
Every 1st of the month at 02:00...

Group

jenkins
app.kubernetes.io/...

Compute

ben-cluster

Overview

Data protection

Storage

Resources

Activity

Search

1-1 of 1 entries

Pod	Ready	Node	Created	State
jenkins-7c9c88f745-dxqg2 app.kubernetes.io/instance: jenkins, app.kubernetes.io/managed-by: Helm	✓	gke-ben-cluster-default-pool-6e469af1-j0xx	2021/04/07 16:19 UTC	Available

Steps

1. Select **Applications** and then select the name of an app.
2. Select 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 Control 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

The Astra Control activities related to the app.

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