



Requirements

Astra

Erika Barcott, Ben Cammett
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Table of Contents

- Requirements 1
 - Kubernetes cluster requirements 1
 - Supported apps 1
 - Supported web browsers 2

Requirements

Get started by verifying support for your Kubernetes clusters, apps, and web browser.

Kubernetes cluster requirements

A Kubernetes cluster must meet the following requirements so you can discover and manage it from Astra.

Kubernetes deployment

Astra supports Kubernetes clusters that are managed by Google Kubernetes Engine (GKE).

On-prem Kubernetes clusters and clusters managed by other cloud managed services are not supported at this time.

Google Cloud region

Clusters must be running in a [Google Cloud region where Cloud Volumes Service for Google Cloud is supported](#). Note that both service types are supported: CVS and CVS-Performance.

Kubernetes version

A cluster must be running Kubernetes version 1.17 or later.

Image type

The image type for each worker node must be Ubuntu.

Cluster state

Clusters must be running in a healthy state and have at least one online worker node.

Networking

The cluster must reside in a VPC that is peered with Cloud Volumes Service for Google Cloud. [Learn how to set up peering](#).

Mode of operation for a GKE cluster

You should use the Standard mode of operation. The Autopilot mode hasn't been tested at this time. [Learn more about modes of operation](#).

Private clusters

If the cluster is private, it must have the [master authorized network](#) set to allow the Astra IP addresses:

- 54.164.233.140/32
- 3.218.120.204/32
- 34.193.99.138/32

Supported apps

Astra supports all applications running on your Kubernetes clusters. [Note that there is a known limitation with apps deployed from the Google Marketplace](#).

NetApp has validated some apps to ensure the safety and consistency of the snapshots and backups. [Learn the difference between a validated app and a standard app](#).

No matter which type of app that you use with Astra, you should always test the backup and restore workflow yourself to ensure that you can meet your disaster recovery requirements.

Supported web browsers

Astra supports recent versions of Firefox, Safari, and Chrome with a minimum resolution of 1280 x 720.

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