



# Quick start for Astra

## Project Astra

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# Quick start for Astra

This page provides a high-level overview of the steps that you need to complete to get started with Project Astra. The links within each step take you to a page that provides more details.



## Review Kubernetes cluster requirements

- Astra supports Kubernetes clusters that are managed by Google Kubernetes Engine (GKE).
- Clusters must be running a healthy state, with at least one online worker node, in a [supported Google Cloud region](#), and using CVS-Performance (not CVS Beta).
- A cluster must be running Kubernetes version 1.17 or later.
- The image type for each worker node must be Ubuntu.

[Learn more about the Kubernetes cluster requirements.](#)



## Set up Google Cloud

- a. Set up a Google Cloud account and project.
- b. Create a service account that has the required permissions:
  - Kubernetes Engine Admin
  - NetApp Cloud Volumes Admin
  - Storage Admin
  - Service Usage Viewer
  - Compute Network Viewer
- c. Create a service account key.
- d. Enable the required APIs.
- e. Enable networking for Cloud Volumes Service for Google Cloud.

[Learn more about Google Cloud requirements.](#)



## Sign up to NetApp Cloud Central

Sign up to [NetApp Cloud Central](#) so you can access Astra and NetApp's other cloud services. [Learn more about signing up.](#)



#### Accept your Beta invitation

After you've been accepted into the Astra Beta program, you'll receive an invitation to join an Astra account. Accept this invitation to join the account and log in to the Astra interface. [Learn more about accepting your invitation.](#)



#### Add your first cluster

After you log in, click **Add a Kubernetes Cluster** to start managing your first cluster with Astra. [Learn more about adding your first cluster.](#)

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