






TOP 5 REASONS

NetApp Astra
for Kubernetes
data management



- 01
- Manage, protect, and migrate your Kubernetes applications easily and quickly within and across multi hybrid clouds.
- 02
- Address data protection, disaster recovery (DR), audit, and migration requirements for your business-critical modern apps.
- 03
- Visualize the real-time protection status of your applications.
- 04
- Use a consistent set of well-defined APIs for implementing your backup, DR, and migration workflows no matter where your Kubernetes clusters are hosted.
- 05
- Use a simple and fully managed application-aware data management platform for Kubernetes with no software to install, manage, or upgrade

"NetApp Astra elegantly maps the complexity of a Kubernetes deployment into the storage fundamentals of replicate, backup, and restore. By understanding the application architecture, we can all work together to make data and storage management fit the elasticity of Kubernetes while delivering operational simplicity."

Sam Ramji, Chief Strategy Officer, DataStax



The challenge

- Manual provisioning of persistent storage for K8s applications
- Lack of application-aware K8s tooling and APIs for data protection and disaster recovery
- Difficulty moving applications and data from one K8s cluster to another

The opportunity

- A rich and broad set of application-aware data management functionality for Kubernetes that works within and across clouds.
- Fully managed SaaS platform operated by NetApp addresses your data protection, disaster recovery, and migration use cases for your Kubernetes applications

Astra use cases

Data protection
with snapshots

With Astra you can take snapshots for local data protection. If your data is accidentally deleted or corrupted, you can revert your applications and associated data to a previously recorded snapshot in the same Kubernetes cluster.




Disaster recovery with
remote backup

With Astra you can take a full application-aware backup of your application and state. The backup can be used to restore your application with its data to a different Kubernetes cluster in the same or a different region to address your DR use cases.

Application portability for
cloud bursting and migration

With Astra you can move an entire application, along with its data, from one Kubernetes cluster to another, no matter where the clusters are located.

Why NetApp for cloud-native application management

 Comprehensive	 Simple	 Effective
Only NetApp offers a comprehensive set of cloud services to address your Kubernetes deployments. <ul style="list-style-type: none">• Astra for simple and fully managed Kubernetes application-aware data management• Spot Ocean for managing compute• NetApp® Cloud Insights for monitoring and optimizing your Kubernetes clusters	Astra is a fully managed SaaS platform, which makes it simple and easy to manage your Kubernetes clusters. It offers advanced application-aware data management and support for application mobility and portability across multi hybrid cloud.	Managing Kubernetes applications with Astra doesn't require deep knowledge of your infrastructure. This means that all the members of your DevOps team can easily provision and protect your applications' stateful data.

Get started now

Astra is offering you the opportunity to participate in our beta program. Learn first-hand the value that NetApp brings to managing Kubernetes applications.

Sign up now



Additional resources

[Astra home page](#)

[Datasheet](#)

[Demo Video](#)

About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services, and applications to the right people—anytime, anywhere.