Dell APEX Navigator for Kubernetes

Unified user experience for multisite Kubernetes management.

Streamline Kubernetes persistence management

- Centralize Kubernetes storage services and fleet management in Dell Premier
- Simplify Kubernetes data storage processes across cloud and on-premises
- Unified user experience designed for both new and mature operating models

Accelerate containerized workflows

- Deploy, operate, and manage Dell Container Storage Modules at scale
- Cross-environment application mobility, regardless of where they are deployed (on-premises, cloud)
- Automate cluster and Kubernetes resource discovery

Govern and protect across multicloud environments

- Monitor all Kubernetes storage resources in one user friendly interface
- Utilize advanced data services, such as observability, authorization, and more
- Consistent policy enforcement across enterprise storage and DevOps environments

Growing complexity for multicloud Kubernetes environments

Provisioning and managing Kubernetes at scale is complex, resulting in mounting deployment and management challenges as enterprises extend into multicloud. Fragmented user experiences based on manual processes are increasing administrative toil, and storage and Kubernetes admins need a way to automate their workflows while simplifying cross-environment management. Combining this streamlined Kubernetes management experience with easy access to advanced data services is pivotal, enabling team members to not only improve productivity, but also dedicate time toward innovation and operations.

Dell APEX Navigator for Kubernetes

Dell APEX Navigator for Kubernetes is a multisite Kubernetes persistent storage management experience in Dell Premier that leverages Dell’s industry-leading Kubernetes data storage software to drive simplicity and productivity. With Dell APEX Navigator for Kubernetes, Kubernetes storage admins and DevOps team members can easily deploy and manage Dell Container Storage Modules at scale across their entire Kubernetes landscape, giving them access to advanced data services such as application mobility, authorization, and more. As a result, enterprises streamline Kubernetes persistence management, accelerate containerized workflows, and govern and protect across multicloud environments.

Bringing Kubernetes persistence management to Dell APEX

Designed for both new and mature operating models, Dell APEX Navigator for Kubernetes provides a frictionless experience that allows Kubernetes storage admins, Site Reliability engineers, and DevOps team members to easily:

- Discover their clusters and key Kubernetes resource types
- Deploy Dell Container Storage Modules across Kubernetes clusters
- Manage Kubernetes environments across cloud and on-premises
- Control their multicloud Kubernetes environments with intelligent, actionable insights

"Dell's Container Storage Modules are industry-leading extensions to the CSI, enabling advanced data services for Kubernetes-based environments backed by Dell storage. The effort and urgency that Dell is putting into adding capabilities to its portfolio is significant."

— 2023 GigaOm Radar Report for Enterprise Kubernetes Data Storage

5 minutes to onboard a Kubernetes cluster

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**Integrated experience with Dell Container Storage Modules**

Dell’s [Container Storage Modules](#) are integrated into the Dell APEX Navigator for Kubernetes user experience, delivering advanced data services that allow organizations to realize easier adoption of cloud native workloads, improved productivity, and scalable operations. Dell APEX Navigator for Kubernetes includes the deployment and management of the following modules:

- **Observability**: Create a single pane management experience for your developers and Kubernetes admins
- **Authorization**: Apply quota and RBAC rules that instantly and automatically restrict a cluster tenant’s usage of storage resources
- **App Mobility**: Clone stateful application workloads and application data to other Kubernetes clusters (either on-premises or in the cloud) using a single command

**Detailed view of clusters and storage systems**

Through automated discovery, Dell APEX Navigator for Kubernetes provides visibility into your entire Kubernetes landscape across on-premises and cloud environments. This allows end users to gain actionable insights into their storage, memory, and CPU utilization, as well as alerts regarding cluster status. Cluster details also provide a single view for all associated Kubernetes resources, such as PVs, PVCs, StorageClasses, namespaces, and more. With transparent operations for your storage infrastructure, you can leverage mature monitoring, alerting, and analytics capabilities that have a meaningful business impact.

**Automate application mobility operations**

Dell APEX Navigator for Kubernetes includes fully built-in, automated operations for application mobility, allowing storage and Kubernetes administrators to clone stateful app workloads and metadata to other Kubernetes clusters, all within the UI.

App Mobility can be utilized both in private and public cloud environments, helping enterprises streamline their projects or achieve specific use cases such as bug triage, blue-green deployments, new platform migration, dev/test environment set-up, and more.

**Try with confidence**

Contact your sales rep today and get your 90-day, risk-free evaluation.

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1. Based on internal testing, April 2024.
2. Based on internal testing, April 2024.
3. Subject to availability. Terms and conditions apply: for Dell APEX Navigator for Kubernetes view the Dell Cloud Service Offering Agreement and Dell APEX Navigator for Kubernetes Service Offering Description. Terms apply to Dell offers only.

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