Enterprise-Grade Kubernetes Storage for Platform Engineering

Build your internal developer platforms with enterprise-grade capabilities for cloud-native storage anywhere

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by Pure Storage

What do platfom engineers care about?

Continuous App Development
Remove roadblocks to supporting development teams on an internal development platform that offers storage for containers and VMs without the need for service tickets.

- Self service based on standardized templates to drive Platform Engineering productivity.
- Automated pipeline workflows.
- Support for major CI/CD platforms including Jenkins, Bamboo, and TravisCI.

Build Once, Port Anywhere, Run Everywhere
Common methodology and building blocks to support app development and production that spans on-premises to cloud.

- Consistent, secure and reliable storage deployment no matter the environment.
- Portability of data to support any scenario including on-prem to cloud migration.
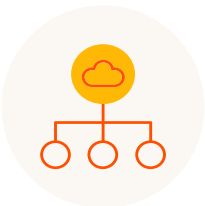
Cloud Operating Model
A cloud-like experience that delivers self-service access to infrastructure anywhere.

- Consistent, repeatable & automated process for hybrid, on-prem, or multicloud deployments.
- Portability of data to support any scenario including on-prem to cloud migration.
- Maintain cloud neutrality with seamless storage management anywhere.

Resilient, Enterprise Grade Platform
Provide high availability, resilience and reliability for enterprise grade production applications.

- Always-on availability through best-in-class BCDR.
- Up to ZERO RPO.
- Backup to support compliance and protect against ransomware.

Dynamic, Yet Secure
Secure data no matter where it lives - ephemeral or persistent, cloud or on-prem.

- Complete data security spanning RBAC to encryption.
- Secure data both in transit and rest.
- Support heterogeneous environments.

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The cloud-native storage software platform for Kubernetes that saves costs while delivering storage at scale.

Storage Services
Operate at scale while saving storage costs for cloud-native storage that is optimized for containers.

Backup Services
Protect mission critical data with backup built for Kubernetes that is container and application aware.

BCDR Services
Deliver availability and recoverability service levels while ensuring business continuity with zero RPO for Kubernetes.

DB Services
Simplify and automate the deployment of relational and non-relational databases along with leading data services.

DevOps Services
Scale Platform Engineering and DevOps teams to support growing multi-cloud, hybrid-cloud and on-premises Kubernetes environments.

Platform Capabilities

Unified Container and VM Storage
Run containers and VMs side by side on the same infrastructure without experiencing the challenges of maintaining multiple infrastructure stacks.

- Enable Live Migration and HA with KubeVirt+Portworx
- Scale your storage out or up depending on your needs
- Enable DR protection for containers and VMs with a single solution

Provide Consistent Storage Experiences
Enable storage feature parity across any cloud on any Kubernetes distribution to provide application resiliency and reliability of data.

- Thin provisioning, snapshots, and automated capacity management
- Application and data mobility across clouds using Portworx' migration feature
- Granular control of replica counts and data locality on a per-volume basis

Simplify Database Lifecycle Operations
No more tracking multiple operators, helm templates, custom YAML, or complex deployment and maintenance strategies for your modern databases.

- Deploy curated and secure container images for the DBs you need
- Automate common lifecycle operations to free your dev/DBA staff from mundane maintenance and upgrade tasks
- Get a single view of health and status for all modern databases used by your applications

Make Kubernetes Storage Aware
Based upon the Storage Orchestrator Runtime for Kubernetes (STORK), Portworx supplements the Kubernetes scheduler to truly be storage aware.

- Enable intelligent pod placement based upon replica location
- Provide ultra-fast pod recovery after worker node failures
- Enable local, cloud, and group application-consistent snapshots without any additional software or cost

Protect What Matters Most
Data drives your applications - protect it at multiple levels with backup and restore capabilities built for Kubernetes, and provide business continuity and disaster recovery with a range of options that fits best.

- Container-granular backup and restore using robust RBAC and encryption features with Portworx Backup
- Synchronous and Asynchronous replication capabilities to recover apps and data across town or across the globe
- Zero RPO for your most critical apps and ransomware protection for your most critical data

ROBLOX

"The thing that really sold us was the ability to do encrypted volumes, specifically for highly sensitive data that may have player data inside of it. Portworx is an important part of what we need to do to simplify our infrastructure."

Rob Cameron
Principal SRE, Roblox

T Mobile

"Portworx enabled T-Mobile to reduce application deployment time from 6 months to only hours."

James Webb
Platform Architect, T-Mobile