

SOLUTION BRIEF

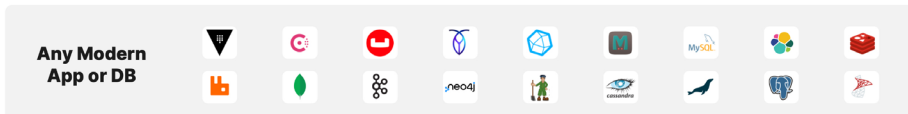
Unlock the Value of Kubernetes Data with Portworx

Automate, protect, and unify container data at scale for Kubernetes applications in any on-premises, public, or hybrid cloud environment

Containers and Kubernetes play a pivotal role in modern application development. However, as organizations scale Kubernetes applications, managing their data becomes a challenge. Disparate CSI drivers or open source solutions for container data management can't meet the speed, scale, reliability, or agility required of enterprise deployments. At the same time, developers building with containers and Kubernetes need self-service to a growing set of storage and data services to accelerate time-to-market.

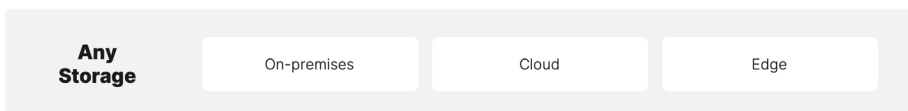
Portworx: A Leader in Container Data Management

The Portworx container data management platform automates Day 0 through Day 2 operations and protects data in any environment, so teams can accelerate time to revenue, deliver data resiliency, and achieve data agility at enterprise scale without compromise. It's a fully-integrated solution that includes container-native storage, backup, business continuity and disaster recovery, and database services in a single, unified solution.



Container Data Management Platform

PX - Enterprise <small>Automated operations for Kubernetes storage</small>	PX - Backup <small>Application-aware, container granular Kubernetes backup</small>	PX - Disaster Recovery <small>Availability & recoverability with zero RPO for sync and async replication</small>	PX - Data Services <small>Database Platform-as-a-service for Kubernetes</small>
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Accelerate Time to Revenue

Automate storage and data management processes and accelerate the software development lifecycle



Architect Data Resiliency

Deliver enterprise business continuity, performance, and scale for cloud-native applications



Achieve Data Agility

Manage, migrate, backup, and restore data across any on-premises, hybrid, or cloud Kubernetes environment

PX-Enterprise: Automated Operations for Scalable, Performant Kubernetes Storage

PX-Enterprise delivers elastic scalability, industry-leading availability, and self-service access to any storage infrastructure for nearly any Kubernetes distribution. It includes automated capacity management and enables flexibility across hybrid, multi-cloud, and on-premises deployments. PX-Enterprise enables organizations to:

- **Maximize application performance** by quickly provisioning storage, optimizing Kubernetes storage for performance and resiliency, accelerating IO paths, and ensuring high availability across multiple data centers.
- **Automate storage management** and optimize your infrastructure with thin provisioning, intelligent volume placement, dynamic balancing and scaling, and application migration between clusters.
- **Increase development velocity** by empowering developers with self-service to storage, and integrating with existing developer tooling and CI/CD toolchains.

PX-Backup: Application-Aware, Container-Granular Kubernetes Data Protection

PX-Backup protects your data with container-granular and application-aware backup and restore, offering a simple, self-service data protection solution through a point-and-click user interface. It secures persistent data for nearly any Kubernetes environment and ensures comprehensive protection and easy recovery for Kubernetes applications. PX-Backup enables organizations to:

- **Recover data in one-click**, with awareness of Kubernetes application data, configurations, and objects, ensuring more complete and faster restores over traditional backup solutions.
- **Migrate applications anywhere** within minutes across on-premises and cloud infrastructure.
- **Secure and defend data** with enterprise-grade RBAC, ransomware protection, 3-2-1 rule support, and support for air-gapped environments.

PX-Disaster Recovery: Flexible Kubernetes Disaster Recovery with Up to Zero RPO

Business continuity and disaster recovery (BCDR) from Portworx provides flexible disaster recovery policies, ensuring availability, data resilience, and reliability for Kubernetes applications. PX-Disaster Recovery enables organizations to:

- **Minimize downtime and recover quickly** with automated disaster recovery processes, integrated with a single, unified container data management platform.
- **Maintain compliance with any application tier** with configurable synchronous and asynchronous disaster recovery.
- **Recover workloads anywhere**, whether they're located on-premises, in the public cloud, or in a hybrid environment.

PX-Data Services: Automate and Accelerate Database Deployments

PX-Data Services is a database platform-as-a-service that automates deployments and streamlines lifecycle management for a broad, curated catalog of databases. It offers developers self-service to new databases provisioned within minutes, subject to sizing, configuration, and policies managed by platform engineering and database teams. PX-Data Services enables organizations to:

- **Accelerate product development** by automating database provisioning from a broad, curated catalog including SQL Server, PostgreSQL, Kafka, and more - and reduce the time from request to deployment from weeks to minutes.
- **Drive operational efficiencies** with Day 0 through Day 2 automated database operations, anywhere, without lock-in to managed cloud databases.

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- **Reduce database downtime.** PX-Data Services deploys with the same resiliency, performance, and scalability as the rest of the Portworx container data management platform.

Enterprise Security and Control

Portworx includes enterprise-grade security and granular controls throughout the entire platform, including single sign-on (SSO) and role-based access control (RBAC), while enabling data encryption at-rest and in-transit.

Integrations and Ecosystem

The Portworx platform integrates broadly within the cloud-native ecosystem, including on-premises storage providers like Pure Storage, Dell, and NetApp, as well as cloud storage from Azure, AWS, Google Cloud, IBM Cloud and more. Portworx also integrates with open-source Kubernetes installations, hybrid cloud distributions like Red Hat OpenShift and SUSE Rancher, and managed Kubernetes services from AWS, Azure, Google Cloud, and more.

Use cases

Portworx supports a wide range of enterprise needs by simplifying and scaling data management on Kubernetes. With its unified platform, organizations can streamline operations, enhance productivity, and deliver robust data services for modern applications, all while ensuring seamless integration and automation for various workloads.

- **Internal Developer Platform:** Enable self-service access to data storage and infrastructure, streamlining developer workflows and accelerating application delivery.
- **Modern Virtualization:** Manage storage and data for virtual machines alongside containers on a single Kubernetes platform, ensuring streamlined, unified operations.
- **AI/ML:** Ensure fast, reliable data portability to localize data to compute, increasing processing speed, maximizing utilization, and minimizing cloud ingress/egress costs.
- **Database-as-a-Service:** Automate database provisioning, management, and scaling, with built-in data protection and storage optimization for Kubernetes-based databases.

Get started with Portworx

- [Try Portworx for free](#) with a personal trial
- [Request a demo of Portworx](#), the leader in Kubernetes storage and container data management
- Read [what customers have to say](#) about using Portworx

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