

Portworx Backup: The Kubernetes Data Protection Platform

Portworx Backup gives Red Hat OpenShift users fast, easy and secure data protection for Kubernetes apps anywhere

When moving Kubernetes applications into production, DevOps teams need to have a data protection plan in place to anticipate the unexpected and ensure quick recovery of all data. However, there are **six major challenges** organizations face in protecting their data:

- 1 Traditional backup is time-consuming**
Machine-based solutions aren't built for the volume of objects or infrastructure of Kubernetes, so they require more effort to back up apps.
- 2 Traditional backups aren't app-aware**
Traditional solutions cannot backup individual containers or app configurations, leaving data at risk for loss.
- 3 Unable to backup and restore anywhere**
Multi-cloud and multi-region organizations need the flexibility to migrate apps.
- 4 Difficult to maintain compliance**
Managing regulatory and organizational compliance that dictate how many backup copies you need and for how long can be challenging.
- 5 App downtime is expensive**
Even just a few hours of service outage from a disaster can cost organizations millions.
- 6 Ransomware attacks are a growing concern**
Nearly 80% of organizations reported being the target of a ransomware attack over the past year.

Portworx and Red Hat: Fast, Easy and Secure Data Protection

Self-Service Backup in a Few Clicks

Empower teams with self-service access to centrally manage single-click backup and restore on their own and reduce IT team dependencies. App-aware and container granular backup ensures all Kubernetes data, configurations, and objects are fully protected.

Migrate Apps Anywhere in Minutes

Portworx Backup enables easy migration for applications, including stateful apps, between any cloud, hybrid, or on-prem environment. To put it simply, you can back up your app in one environment, region, or cluster and restore in another—even if they're non-Portworx volumes.

Sleep Sound with Safe and Secure Data

Object lock support guarantees protection from ransomware attacks with recoverable data from backups. Gain peace of mind with sophisticated RBAC permissions for heightened security, and adhere to compliance needs with 3-2-1 rule support.

Ensure Business Continuity

Trust that your data will be available when you need it. Protect data from loss and reduce app downtime with low RPO and low RTO, or pair with PX-DR for zero RPO and low RTO for mission-critical applications.

Portworx Backup is a market-leading data protection service built for Kubernetes, simplifying compliance and empowering application owners to backup and restore their apps anywhere in just a few clicks.

Top Data Protection Use Cases for Portworx Backup



Backup and Restore

Back up all components of a Kubernetes application as a data protection solution to decrease app downtime and recover quickly.



Cross-Cloud Migration

Migrate Kubernetes clusters to a new Kubernetes version or environment, whether it's on-prem or cloud.



Copy Data Management

Use backups as a true end-to-end testing environment without risking production data.



About Portworx and Red Hat

Portworx is the #1 leader in Kubernetes storage and data management,* trusted in production by the world's leading enterprises. Red Hat is the world's leading provider of enterprise open source solutions—including Linux, cloud, container, and Kubernetes. Red Hat delivers hardened solutions that make it easier for enterprises to work across platforms and environments. Together, Portworx and Red Hat help customers simplify workload management in distributed core, edge and cloud IT environments. Joint customers realize many benefits including increased agility, performance and security.

*Source: 2022 GigaOm Radar for Cloud-Native Kubernetes Data Storage.

For pricing and more details, visit portworx.com/red-hat-openshift