

Easily Backup and restore your Amazon EKS applications

Protect your containerized applications on Amazon EKS and AWS Outposts with Portworx PX Backup.

Backup is essential for enterprise applications, serving as a core requirement for mission-critical production workloads. Most enterprises are focused on two primary concerns:

- a) Data protection in the event of exfiltration or ransomware;
- b) Compliance with regulations like General Data Protection Regulation (GDPR), California Consumer Protection Act (CCPA), or Health Insurance Portability and Accountability Act (HIPAA).

Yet, a full 75 percent of IT professionals wrongly believe that you can back up containers in the same way as applications. The risk of misunderstanding can be catastrophic. According to Enrico Signoretti, an Analyst at GigaOm Research, “without container-granular backup options for Kubernetes, enterprises are exposed to data loss, downtime, and lost customer loyalty.”

The risk to the enterprise is magnified for applications on Kubernetes where traditional, virtual machine (VM)-optimized data protection solutions simply don’t work. Protecting stateful applications like databases in highly dynamic environments calls for a purpose-built, Kubernetes-native backup solution.

Enter Portworx PX-Backup by Pure Storage.

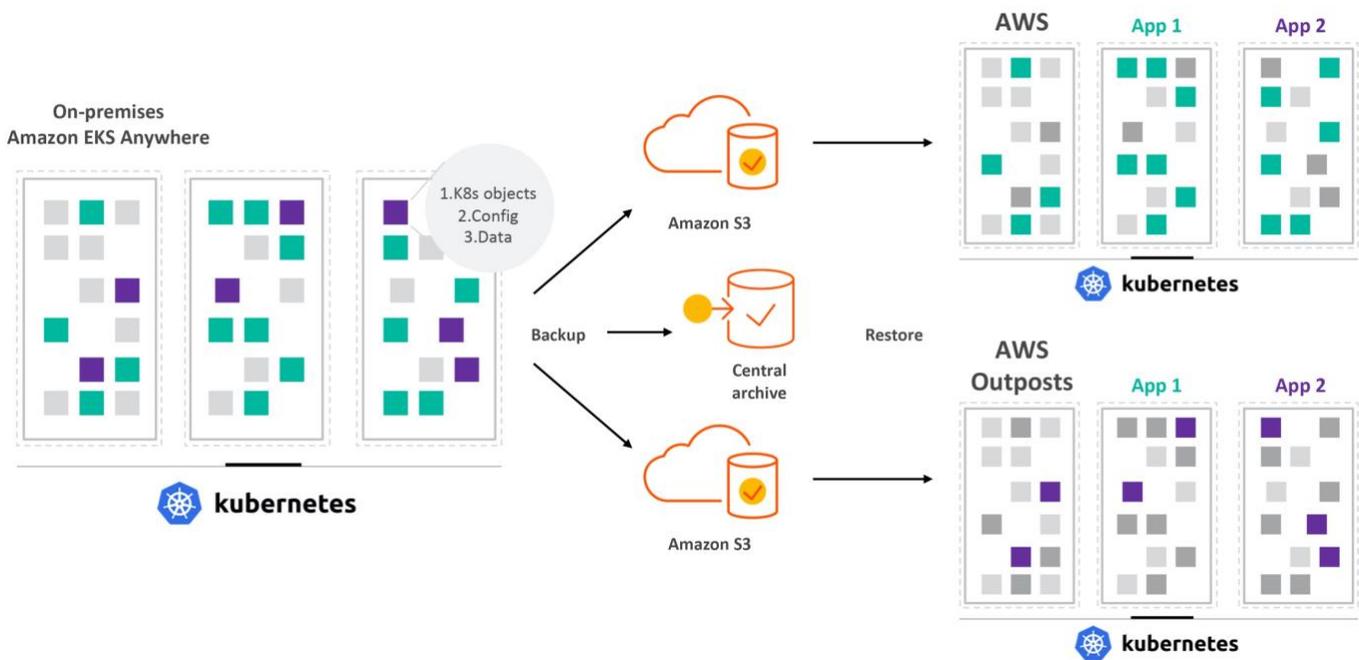
Kubernetes-native Backup and Restore

PX-Backup delivers enterprise-grade point-and-click backup and recovery protection for all applications running on Kubernetes, even if they are stateless. Built exclusively for containerized applications, Portworx PX-Backup protects your applications—data, application configuration, and Kubernetes objects—with a single click at the Kubernetes Pod, namespace, or cluster level. PX-Backup enables enterprises to provide self-service backup



and restore services to end users while implementing strict role-based access control (RBAC) to prevent unauthorized data access and maintain compliance with rigorous strict enterprise and government regulations.

Replication of Kubernetes objects.



PX-Backup delivers five key elements that are fundamental to a successful Kubernetes backup and restore:

- **Container-granular:** PX-Backup allows you to back up the individual containers associated with a particular application rather than having to back up an entire VM
- **Kubernetes namespace-aware:** PX-Backup provides namespace-awareness, enabling enterprise to backup an entire Kubernetes namespace with a single click
- **Application-consistent:** PX-Backup ensures application consistency, even when backing up and restoring distributed databases and services like Cassandra, Kafka, Elasticsearch, and more
- **Full application backup:** PX-Backup captures the entire app – data, application, and Kubernetes objects, to ensure seamless backup and fast recovery of your applications

Optimized for a hybrid cloud world: PX-Backup supports backup and restore across on-premises and the cloud, making it easy to provide local and WAN disaster recovery with Amazon Web Services (AWS).

Seamless integration with Amazon EKS, Amazon S3, and AWS Outposts

PX-Backup is fully validated and supported across multiple AWS solutions including Amazon Elastic Kubernetes Service (Amazon EKS), Amazon EKS-D, Amazon Elastic Block Storage (Amazon EBS), Amazon Simple Storage Service (Amazon S3), and AWS Outposts. Additionally, PX-Backup provides native integration with Amazon EBS, so even if you are not using Portworx PX-Store, you can back up your Kubernetes workloads running on AWS EKS. PX-Backup integrates directly with Amazon S3 and Amazon S3-compatible object stores, providing a simple, easy-to-use endpoint for storing your backups.



Learn more about Portworx

Additional resources

- [Portworx is a leader in Kubernetes data protection](#)
- [Safeguard all your containerized applications with Kubernetes backup](#)
- [PX backup for cloud](#)

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