

Top Reasons to Use Veritas NetBackup for Kubernetes

The current stage of IT transformation features rapid adoption of Kubernetes (K8s), making containers the de facto standard for implementing microservices-based architectures to build web-scale applications with shorter development cycles. Organizations are choosing to adopt Kubernetes for the benefits of containers, better utilization of resources, scalability, the power of orchestration, and the value of the distributed cloud.

Veritas understands the importance of protecting Kubernetes, which is why it has extended NetBackup™ innovation to K8s, making it an integral part of the NetBackup framework. NetBackup provides the industry's broadest support for Kubernetes cloud-native environments by including optimized, application-centric, unified protection on-premises and in the cloud.



1. Optimized Kubernetes Protection with Simplified Native Deployment

NetBackup for Kubernetes is platform-native and is specifically designed to seamlessly deploy and integrate into Kubernetes environments. NetBackup simplifies data management and reduces risk by eliminating the need for point products and by leveraging familiar tools and a single interface to manage your entire environment, with zero learning curve.

- Automatically discover and protect all user namespaces and individual resources, ensuring data is protected across all major Kubernetes distributions, on-premises or in the cloud
- Recover what you want to where you want using native Kubernetes constructs and APIs
- Autonomously protect resources with intelligent policy selections or by associating labels with protection plans
- Gain greater control of your application with the ability to include or exclude specific resources
- Optimize space and speed recovery with full ransomware resiliency and elastic data movement to any storage for tiering of backup copies
- Simplify administration with secure self-service data management and control user access to prevent potential malicious activity with a zero-trust model and role-based access controls (RBAC)
- Unlike other data protection and availability solutions for Kubernetes, NetBackup takes a Kubernetes-native approach that integrates DevSecOps processes from the beginning of the development cycle through deployment and operations



2. Application-Centric Data Protection and Enterprise-Grade Resiliency

A Kubernetes environment is no less susceptible to risks. Ransomware attacks, bad actors, and human error all have the potential to compromise data and the underlying infrastructure, which can negatively impact or disable Kubernetes systems. A comprehensive, application-centric data protection solution is essential for ensuring Kubernetes workloads are easily protected and quickly recoverable.

- Protect all the components that comprise an application and recover K8s workloads quickly, efficiently, and with application-consistency
- Meet your hybrid, multi-cloud needs with flexible backup from on-premises and recovery to any cloud, and the granular recovery of individual resources in a Kubernetes namespace to the same or alternate Kubernetes cluster, or an alternative distribution of Kubernetes
- Extensible data movement provides flexible support for any NetBackup storage target, faster recovery with deduplication, the ability to rollback directly from snapshots, and longer-term tiering of backup data



3. Unified Protection for Your Entire Environment to Unlock Distribution Mobility

NetBackup solves the greatest challenge of Kubernetes protection: the gap between on-premises and the cloud. Because an organization often uses multiple distributions and cloud providers, the result can be unnecessary fragmentation. NetBackup offers a unified approach that provides enterprise IT with greater certainty, agility, and control.

- NetBackup protection for Kubernetes allows you to unlock the power of K8s' portability and elasticity with natively integrated data protection and resiliency
- Unified cross-platform recoverability that is both platform- and storage-agnostic enables backup from and recovery to any distribution
- Deliver even greater availability for containerized applications by augmenting native Kubernetes environments with Veritas InfoScale, a software-defined storage that is both hardware and platform-agnostic

No extra licenses. No extra costs. NetBackup is trusted by 87 percent of the Fortune Global 500 and fully integrates Kubernetes-native protection, providing organizations the application-centric data protection and enterprise-grade resiliency they require.

To learn more about NetBackup for Kubernetes, visit Veritas.com/NetBackup and read our [VOX blog](#).

About Veritas

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers—including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at www.veritas.com. Follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).

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