

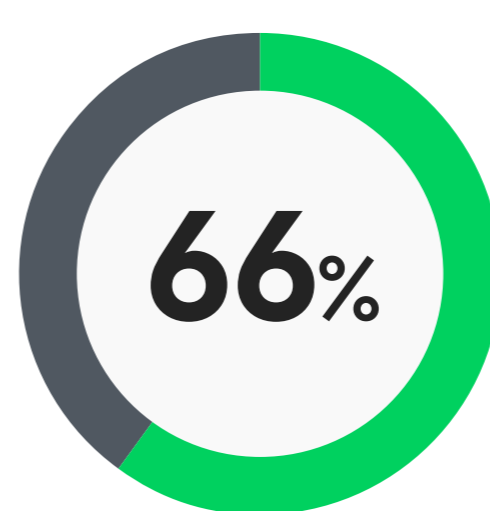
What You Don't Know About Kubernetes Data Protection Can Hurt You

Containerization represents a generational leap beyond traditional application architecture — so traditional solutions may no longer protect your Kubernetes applications.

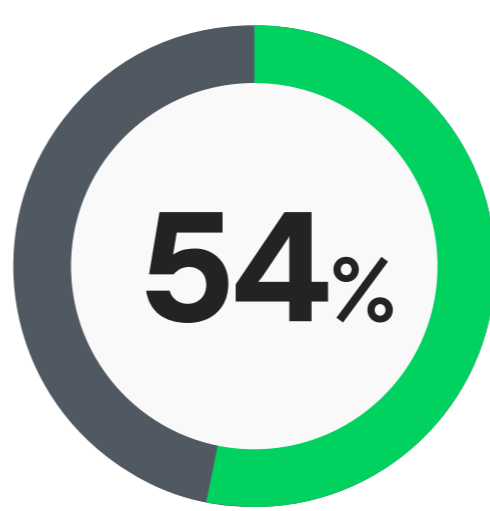
Kubernetes is the standard

According to a recent report by [Enterprise Strategy Group \(ESG\)](#), Kubernetes is a widely adopted technology for managing container environments, if not the standard platform of choice.

The ESG report reveals:



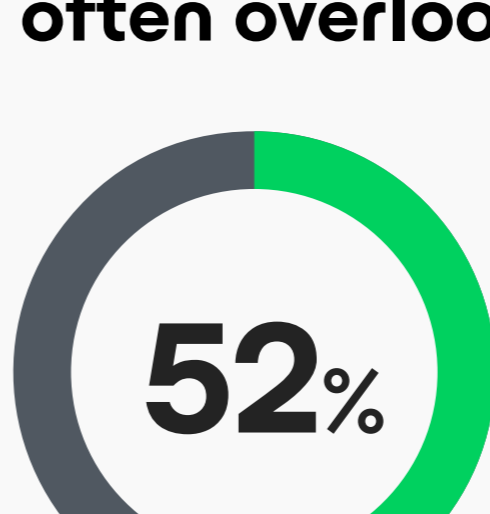
of businesses use Kubernetes to manage and orchestrate their containers.



have been using Kubernetes in production for over 24 months.



Yet data protection is often overlooked



of respondents do not consider data protection during the architecture design process.

4 Myths about Kubernetes Data Protection

MYTH 1

My existing backup and recovery solution is sufficient for Kubernetes.

FACT: Traditional backup and recovery solutions do not adequately protect containerized applications.



While **33% of businesses** use existing data protection technologies and processes for containers, these solutions are often not designed to handle the decoupled and distributed nature of Kubernetes. This leads to inefficient backups, potential data loss, and increased recovery time and effort.

MYTH 2

Kubernetes supports high availability, so my data is protected.

FACT: High application availability does not equate to data protection.



While Kubernetes can help applications maintain availability, it will not protect application data and cannot prevent loss, corruption, or a ransomware attack. Plus, should a disruptive event occur, the platform does not ensure business continuity either.

MYTH 3

Kubernetes applications are impervious to ransomware.

FACT: No application is impervious to ransomware.



Containerized applications on Kubernetes are no exception. In fact, the distributed and disaggregated nature of Kubernetes applications presents even more security gaps than non-containerized applications.

MYTH 4

My workloads are stateless, so I have no need to protect that data.

FACT: Stateless or stateful, protecting application data is crucial. Kubernetes has evolved to support all types of workloads, including stateful applications.



It's critical to understand that for all containerized applications, state will reside somewhere — it's just a matter of whether it's inside or outside the cluster. Purpose-built solutions can protect the entirety of containerized applications, including the container itself and the stateful data wherever it may reside.

Why Veeam Kasten for Kubernetes

Veeam Kasten provides secure, Kubernetes-native resilience and application mobility for the most complete set of distributions and platforms. Proven to restore applications quickly and reliably and coupled with its core tenet simplicity, Kasten gives operations and app teams confidence to withstand the unexpected.



Application-centric protection

Discover all components of your containerized application — along with dependencies and configurations — and ensure reliable backup and recovery.



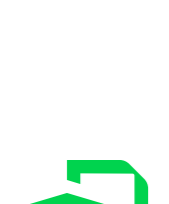
Fast, automatic restoration

Enable multiple, granular recovery options with either local snapshots or external copies. Veeam Kasten properly orchestrates restoration to prevent disruption and automates application restores to alternate location clusters for efficient disaster recovery (DR).



Application mobility across platforms

Easily enable the hybrid and multi-cloud by moving applications across different infrastructures and distributions with minimal to no downtime.



Ransomware attack mitigation

Minimize the business impact of ransomware attacks through early threat detection, encrypted and immutable backups, and accelerated application recovery.

Real customers, real results

The [U.S. Navy](#) relies on Veeam Kasten to protect its **next-generation global tactical afloat network**.

[Zenseact](#) saves **150 hours per month** on backup management with Veeam — time that can now be used for new project development.

[ITK Engineering](#) can **restore a 10TB server in just 5 minutes**, empowering developers to bring new products and features to market sooner.