

Data Protection for Entire Container Application Stack Based on Kubernetes

Containers provide a simpler way for development and operations teams to consistently execute. Popular open-source container orchestration tools, such as Kubernetes, that allow IT teams to break apart monolithic applications into smaller distinct microservices and run that software reliably between computing platforms are adding new workloads into enterprise IT environments at unprecedented rates where traditional backup and recovery tools are unprepared to efficiently protect them.

Cohesity protects data and application state for Kubernetes and container deployments. The web-scale platform backs up the entire containerized application including all its operational state—not just its data—for global application awareness and comprehensive protection.

MODERN WORKLOADS REQUIRE MODERN BACKUP AND RECOVERY

Containers are popular and Kubernetes adoption has skyrocketed since Google released it to the open-source community half a decade ago.

“58 percent of developers report that their companies are currently using containers or plan to use containers in the next 12 months.”¹

- FORRESTER

“90 percent of all applications will feature microservices architectures by 2022.”²

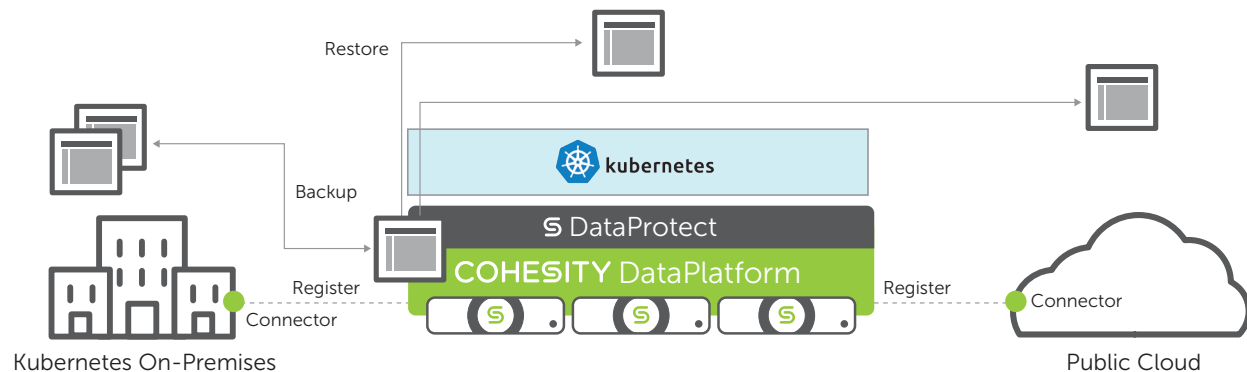
- IDC

“71 percent of more than 200 enterprise decision makers surveyed indicated they were using Kubernetes to manage their container infrastructure.”³

- 451 RESEARCH

KEY BENEFITS

- *Faster backups for modern application workloads*
- *Global application awareness*
- *Restore quickly to core, cloud, or edge*



Cohesity simplifies and strengthens Kubernetes and container backup and recovery. It eliminates data silos caused by mass data fragmentation and replaces them with a hyperconverged solution that effectively consolidates the persistent state of applications, including PVs and operational metadata. Cohesity's native integration with Kubernetes ensures protection and orchestration for stateful and stateless applications while supporting application-consistent snapshots so code and processes remain connected.

DISTRIBUTED PROTECTION FOR DISTRIBUTED APPLICATION ENVIRONMENTS

While reducing time to market, containers boost application quality by keeping code and the operational processes together. Cohesity ensures they continue to stay together when they're backed up and recovered.

Application-aware protection

Cohesity helps IT reduce enterprises reliance on error-prone custom tools to discover and protect containerized applications based on Kubernetes. In a single solution with global SaaS management that extends across clouds, Cohesity protects both application data and application state.

Fast, incremental backups

With Cohesity, IT teams enjoy fast, incremental backups forever. They can set application-tier specific data protection policies to boost security and streamline compliance while further reducing IT footprints and costs with global variable-length dedupe and compression.

Comprehensive restores, anywhere

Simplicity and flexibility to recover data and the entire application anywhere, with just one-click. Cohesity restores backups to an alternate location—on-premises, cloud, or edge. This gives enterprises the freedom and choice to seamlessly migrate and confidently plan their disaster recovery strategies.

Cohesity supports easy cloud integration with Amazon Web Services, Microsoft Azure, and Google Cloud Platform, as well as Cohesity Powered Service Provider clouds.

Learn more about how your organization can backup and recover Kubernetes and containerized workloads with Cohesity.

1. Forrester. "Forrester Analytics Global Business Technographics Developer Survey," 2018.
2. IDC. "IDC FutureScape: Worldwide IT Industry 2019 Predictions," October 2018.
3. 451 Research. "Hybrid Cloud Drives Growing Container Production Use and Disruption, May 2017