

StorageOS – your smarter cloud-native storage platform, purposely built for Kubernetes

StorageOS is a software-defined cloud-native storage platform delivering persistent storage for Kubernetes. Built from the ground up with no legacy restrictions to give enterprises working with cloud-native workloads a scalable storage platform with no compromise on performance, availability or security.



The end-to-end storage platform

StorageOS is the future of storage providing you a complete cloud-native storage platform for running your mission critical applications seamlessly.



Run anything anywhere

The StorageOS platform enables you to run anything, anywhere, on any platform, it is flexible and lightweight allowing enterprise storage for applications wherever you are.



Unmatched performance

StorageOS runs applications up to **15 times faster** than any other storage provider on the market, giving industry-leading performance and low latency for your stateful applications.



Constantly available

StorageOS platform ensures high availability and rapid recovery for your business-critical applications wherever they are running.



Secure by default

StorageOS enables security at every layer of the stack ensuring your data is safe at rest, and on the wire, with keys you control.



Ease of use

StorageOS is a software platform that installs anywhere within seconds enabling self-service automation for your volumes – cloud-native storage has never been so easy!



Extremely lightweight

StorageOS has the smallest footprint improving your utilisation of resources.

I use StorageOS as one of our storage options when running kubeadm or Red Hat OpenShift Container Platform testing. StorageOS is easy to install and I never have to fight with it, it just works!

Valerie Clarkson, Software Engineer, Crunchy Data



Features



Unmatched performance

Run applications up to 15 times faster

- deterministic performance creates predictable low latency for databases and other stateful applications.

Data locality allows application workloads to be automatically placed on nodes that have a local copy of the application data. This improves application performance by reducing latency.



Reliability and scalability

Delta Sync reduces the time to recovery allowing rapid cluster convergence by only replicating the missed data to the node.

Synchronous replication for high availability enables quick recovery of applications and databases. Volumes are accessible across the entire cluster providing high availability, durability, and consistency of application data.



Security

Security at every layer of the stack with automated certificate management, secure endpoints and encryption of data between nodes. Ensuring your data is **safe at rest, and on the wire**, with our powerful industry standard AES encryption. Keys are unique per volume and stored as Kubernetes secrets.



Volume

Dynamically provision self-service storage using Kubernetes CSI, Storage Classes and Persistent Volumes Claims. Declarative configuration makes life simple for engineers.



Deployment

Installs anywhere on-premises, bare metal, VMs, or in the cloud, supporting native integration with containers, Kubernetes and CSI.

Deployed as a container, all data services are optimized and integrated inline to the StorageOS data plane ensuring the lowest resource overhead and low latency performance. The StorageOS container runs like any other application, with no dependencies on proprietary kernels, storage protocols or other layered services.

Certified for OpenShift and Rancher. Integrates with AWS EKS, Google GKE, Azure AKS and other Kubernetes platforms.



Manageability

CLI – open source CLI to manage cluster-wide configuration.

GUI – visualize the storage environment with the StorageOS GUI for ease of use.

RESTful API – HTTP API used for managing volumes and StorageOS services.



Observability

Log streams for observability and **Prometheus** for instrumentation.



Ease of use

The operator makes it **easy to install**.

Simply provision volumes and connect them to applications.



Use cases

Learn the best uses for cloud native, persistent storage for Kubernetes. StorageOS provide volumes for any stateful application. A sample of production use cases on StorageOS today highlighted below.

Databases



Analytics



Streaming/messaging queues



CI/CD pipeline



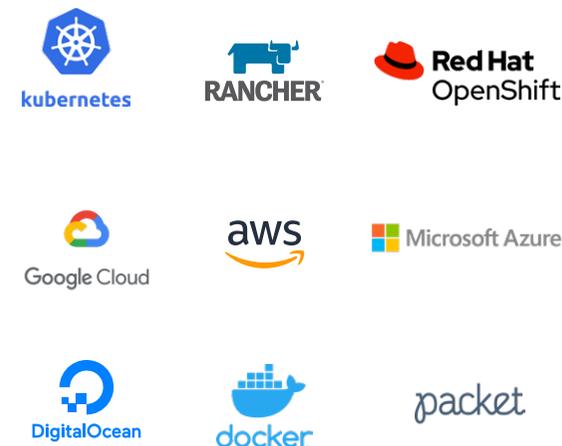
Infrastructure services



Digital



StorageOS partners



StorageOS for free

Try us for yourself by downloading our forever free StorageOS Developer Edition today.

Meet our customers

StorageOS is installed in production across the globe, enabling enterprises to store, deliver and protect the data that powers their businesses.



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