

Solving storage for containers.

Containers need persistent storage, and legacy storage arrays don't work. StorageOS is defining and delivering the future of storage for the enterprise and developers.

Organizations are turning to containers, yet when ready for production, containers miss a major mark – there is no data persistence.

Historically, database applications relied on expensive, complex, and dedicated arrays to present volumes and deliver storage services. However, in the world of containers, services such as storage need to be delivered directly to the application, not to infrastructure. Traditional storage solutions can't cope with this paradigm shift, and cloud provider offerings are limited by design.

Application-Centric Storage for Containers

Designed and built from the ground up, StorageOS delivers application-centric storage for containers and clouds by transforming commodity server or cloud based storage into enterprise-class storage to run persistent workloads in containers.

- **Application Centric** – Storage is presented to and consumed by applications and not by operating systems or hypervisors.
- **Simple** – StorageOS is software-based, simple to set up and works anywhere. It is API controlled and integrated directly with OpenShift, Kubernetes and Docker.
- **Application platform agnostic** – StorageOS works anywhere, without proprietary dependencies that lock an application to a particular platform or a cloud provider. Developers deploy storage as needed while infrastructure teams manage policy driven storage.
- **Easy to use** – StorageOS is easy to use. Developers self-manage the provisioning and deploying of storage and apps in one step without deep domain expertise or organizational dependencies.
- **Agile** – StorageOS dynamically reacts to changes in the environment. It can move application data between locations, dynamically resize volumes for growth, take point in time copies of data for data retention or facilitate rapid recovery of data.

- **Performant** – Gain deterministic performance in complex distributed environments with the ability to scale efficiently using a minimum of compute resources.
- **Consistently Available** – Manage data distribution with a predictable, proven data model to ensure high availability, durability, consistency of application data.
- **Elastic** – Developed to deliver at scale, start small with developer teams and scale as needed to enterprise-wide adoption.
- **Natively Secure** – StorageOS provides integrated and inline security features such as encryption and RBAC and does not depend on secondary products to secure application data.



Containers have made app deployment lightweight and portable. We think your data should be too.

StorageOS delivers fully featured, persistent storage for containers while saving money, reducing time to market and ensuring storage performance.

Reduce cost

Storage is expensive. StorageOS offers a simple operating model leveraging public cloud-like efficiency to reduce operational cost. With its on-demand licensing model, StorageOS reduces capital costs by removing the need to purchase storage in advance. StorageOS also reduces the need for additional cloud nodes and expensive licenses for database specific replication solutions.

Reduce time to market

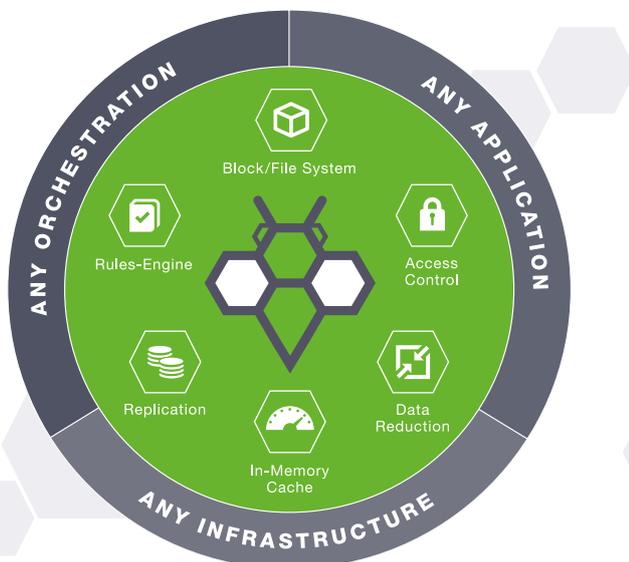
StorageOS reduces time to market for applications by natively integrating with leading industry orchestration platforms, allowing enterprises to embrace agile development with self-provisioning and rules based automation out of the box. Combined with cloud and scheduler auto-scaling integration, StorageOS also allows storage to grow as application requirements change.

Ensure consistent storage performance

Storage is provisioned alongside the application on the same node or pod to guarantee local performance to the application, keeping data close to memory and CPU while avoiding the network as a point of congestion (for reads).

Storage for any container with any orchestration on any infrastructure.

Decouple/abstract storage from underlying infrastructure.



How StorageOS Works

With the addition of a single container, enterprises can support hyper-converged and centralized deployment models without additional kernel module changes, specialist storage knowledge or storage infrastructure.

StorageOS for infrastructure teams

Scale, manage and monitor storage infrastructure

- Runs in user space, with no kernel dependencies
- Runs on any 64-bit Linux system – bare metal, VMs, cloud or hybrid
- Automate storage management and apply policy with rules
- Proactive monitoring and reporting on policies plus SLAs
- Enhanced availability, thin provisioning and volume management for cloud storage
- Quality of service

StorageOS for Dev and DevOps teams

- High availability, low latency persistent block storage
- Provision storage through native Kubernetes and OpenShift integration or Docker volume plugin
- Low-latency reads and writes
- Fast, simple recovery from node failure (professional license)
- Cross AZ High availability (professional license)
- Install as a node, daemon set, or Docker volume plugin
- Manage via the RESTful API or CLI
- Slack, forum and email support

Try StorageOS for free. A new storage consumption model, StorageOS reduces costs. Visit storageos.com