

# Virtuozzo Storage

## Drive Hyperconvergence and Reduce Costs

Virtuozzo Storage enables you to build fault-tolerant, multi-machine storage clusters using nothing more than off-the-shelf hardware – a huge help in driving costs down. Available as an integrated part of Virtuozzo Hybrid Server or Virtuozzo Hybrid Infrastructure as a solution to support storage for virtualization and any workload or type of data. This provides support for block, file and object storage – including persistent storage for virtual machines and containers. Virtuozzo Storage delivers a highly flexible, distributed software-defined storage solution that is scalable to your needs, and comes with built-in replication and erasure coding to ensure the safety of your data.

## Key Benefits



**High performance:** Faster than Ceph and other competitors.



**Massively scalable:** Store petabytes of data.



**Extremely cost-efficient:** Works with off-the-shelf hardware, features erasure coding.



**Web-based UI simplifies everything:** Stay in control with an easy-to-use management interface.



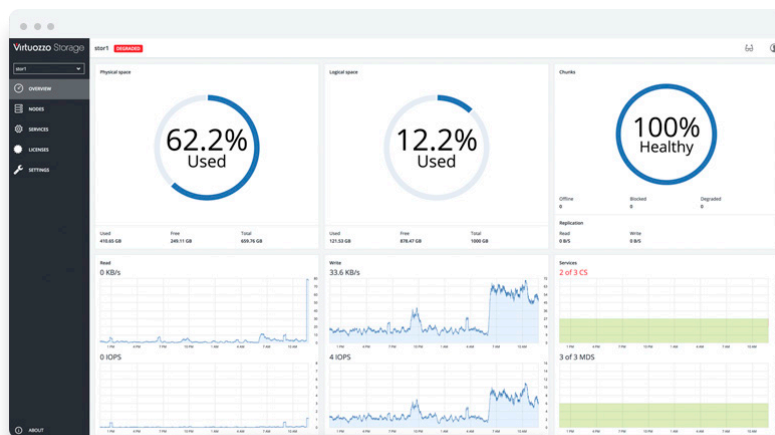
**Data Encryption:** Protect entire cluster or specific tiers.



**Geo Replication:** Replicate S3 objects to a remote cluster.

## Key Features

- Block, file, S3 object, and storage for virtual machines and containers in a single solution.
- Supports wide range of erasure coding and replication schemas.
- SSD caching and journaling, automatic data and load balancing.
- Scalable up to multiple petabytes in a single cluster.
- Hot-Pluggable: Increase/decrease capacity or replace a drive/node without downtime.
- Storage tiers organize storage space and keep different categories of data on different disks.
- Easily manage storage through a web-based user interface with smart automation.



FOR MORE INFORMATION

[www.virtuozzo.com/products/storage](http://www.virtuozzo.com/products/storage)  
[info@virtuozzo.com](mailto:info@virtuozzo.com)  
 +1 206-539-0730

Updated: June, 2020

# A Single Solution to Manage All Your Storage Needs

## Virtualization

Run Virtuozzo, Hyper-V, VMware, or KVM workloads

- Optimized for maximum performance with random reads and writes.
- Best performance for Virtuozzo containers and VMs.
- Highly-available and high performance iSCSI targets.
- Highly-available NFS storage.
- SSD caching to burst existing I/O performance by an order of magnitude.

## Object Storage

Build your own public or private Amazon S3-compatible storage cloud

- Unlimited scalability to billions of objects.
- Build an S3 storage-as-a-service offering.
- S3 Object storage for modern containerized applications.
- Store, publish and stream web content like video, images, html.

## Behind the Technology Virtuozzo Storage vs Ceph

This graph depicts a Windows operating system running a Virtuozzo Hypervisor versus CentOS 7 KVM. The vConsolidate Score reflects the performance of all workloads running on the host. Virtuozzo outperforms CentOS 7 KVM.

## Cold Data

Lower OPEX and CAPEX for backups and archiving

- Low overhead with erasure coding.
- Efficient hardware utilization.
- Flexible redundancy schemas.
- Automatic self-healing, check summing and scrubbing.

