

Virtuozzo Hybrid Infrastructure

Deliver private, public or hybrid cloud solutions cost-effectively through hyperconvergence.

What is Virtuozzo Hybrid Infrastructure?

Cost-effective, easy-to-manage hyperconverged infrastructure that optimizes hardware utilization, lowers total cost of ownership, and delivers high server performance and availability. Secure by design, Virtuozzo Hybrid Infrastructure combines compute, storage and networking services with advanced analytics and monitoring in a single solution.

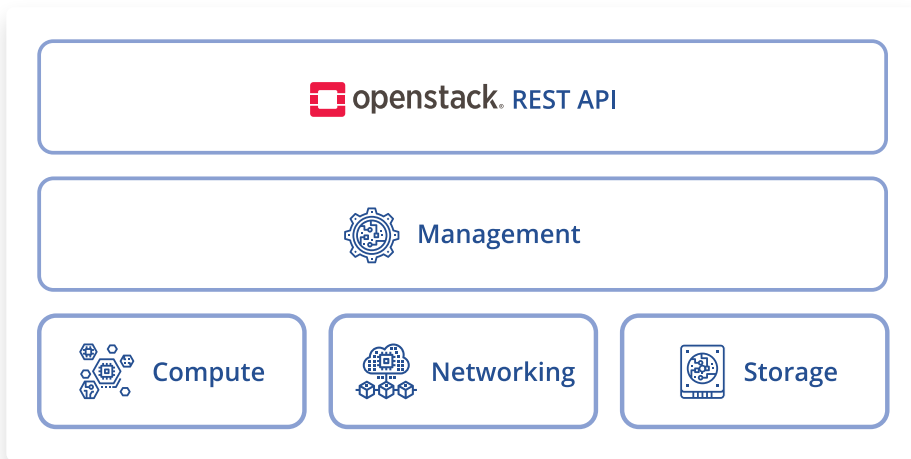


Figure 1. Virtuozzo Hybrid Infrastructure Components

Key Benefits

Faster time-to-value

Simplify management through self-service and multi-tenant support.

Lower Costs

Drop CapEx and OpEx.

High Availability

Automatically recover systems from server or component failure.

Better Server Performance

Get the most of your infrastructure resources with virtualization and highly-scalable storage.

Agility

Make your hardware infrastructure more scalable and flexible.

Key Features and Components of Virtuozzo Hybrid Infrastructure

#1 Resilient Compute and Networking

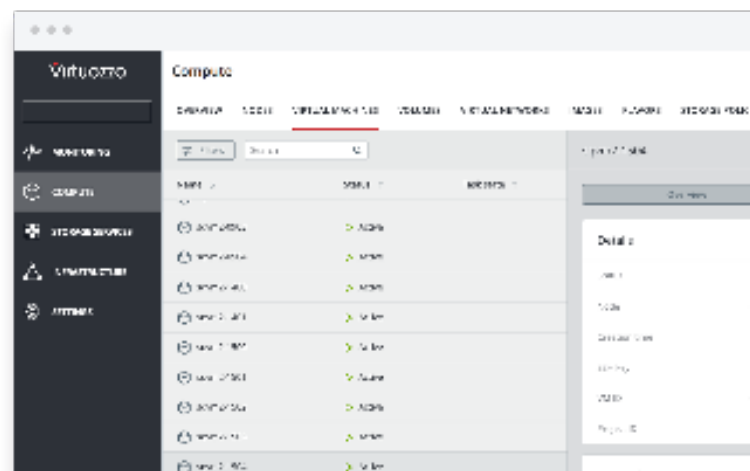
NEW Ready to use Kubernetes clusters with pre integrated persistent storage and load balancing.

NEW Load balancing as a service enables workload scaling and improves application availability and security.

High-performance and high-availability virtual machines based on proven open source technology, ready for enterprise production loads and protected from server outages.

Secure and isolated networking with VXLAN encapsulation based on distributed virtual switching technology.

Full Windows guest support for desktop and server editions with automatic installation of high performance paravirtualization drivers.



#2 Software-Defined Storage

Data redundancy in case of any type of hardware failure, with support for block storage (VM volumes, iSCSI, FC), file storage (NFS), and object storage (S3).

High-performance block storage for hot data and virtual machines, natively integrated with compute services.

Cost-effective cold data storage with erasure coding that optimizes disk space for storing petabytes of data.

Object storage compatible with any S3 applications and clients for building an S3 cloud, with scalability up to a billion objects and with usage statistics for billing.

Easy and smooth scalability for growing clusters by small steps on one server or disk.

#3 Simplified Management

NEW Non-disruptive rolling update and Maintenance mode simplify platform operation and eliminate risk of downtime.

Single management console for hyperconverged compute, storage and networking services.

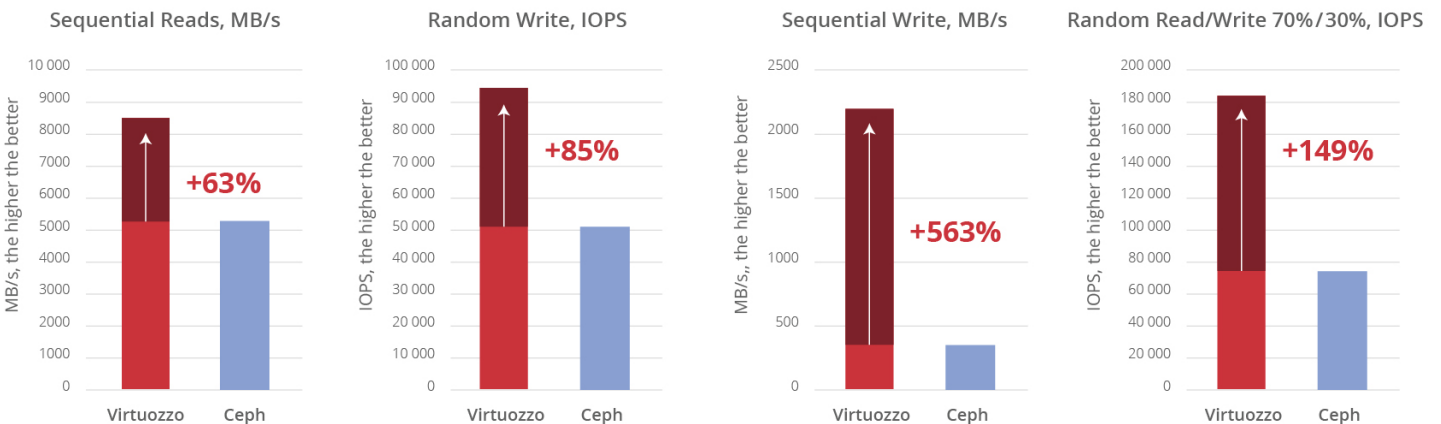
Multi-tenant architecture that provides security and isolation between independent consumers of platform resources.

Built-in advanced analytics and monitoring with a modern alerting system and enterprise overview dashboards.

Comprehensive integration with third party systems via 100% compatible OpenStack APIs.

Performance Comparison: Virtuozzo Hybrid Infrastructure vs. Ceph

Virtuozzo Hybrid Infrastructure is up to 5 times faster than Ceph 12.2.5.



*Measured on All-SSD cluster based on 6x nodes: Xeon E5-2620 v4; 64G RAM; 3x SSD

FOR MORE INFORMATION

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