

## Virtuozzo Hybrid Infrastructure

*The production-ready OpenStack cloud platform for service providers*

### What is Virtuozzo Hybrid Infrastructure

Virtuozzo Hybrid Infrastructure is a turnkey cloud platform for service providers. It makes it easy to build, manage and sell your own brand of Infrastructure-as-a-Service cloud - public, private or hybrid - as well as Kubernetes-as-a-Service, Load Balancer-as-a-service, and object, file and block Storage-as-a-Service.

The platform includes KVM-based virtualization, OpenStack orchestration, software-defined storage, a self-service portal for end users, and easy-to-use cloud management and monitoring tools, in a single hyperconverged solution.

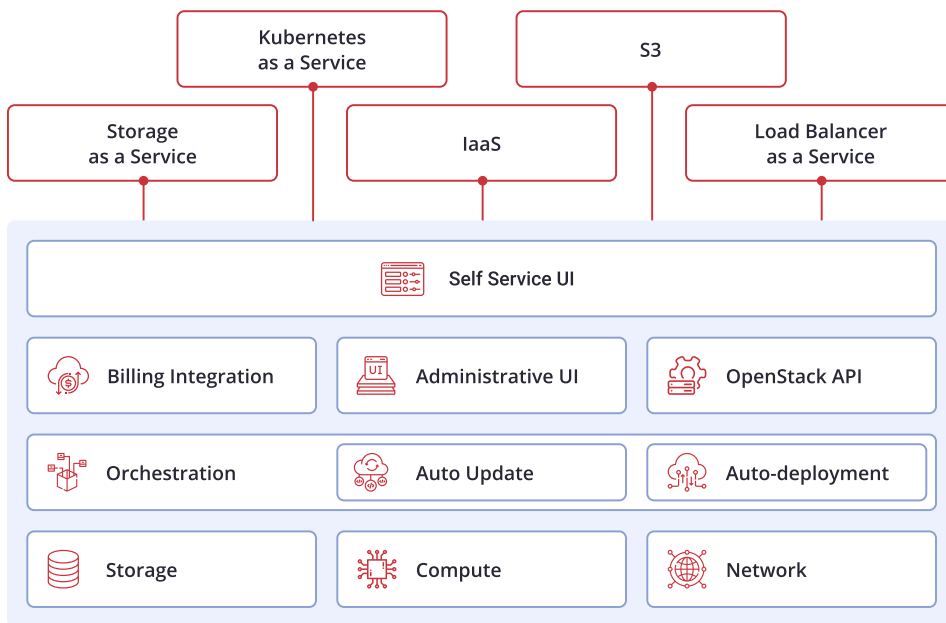


Figure 1. Virtuozzo Hybrid Infrastructure Components

### Key Benefits

#### Fast Time-to-Value

Ready-to-use OpenStack cloud, optimized for service providers, with 24/7 support included. Get to market fast with profitable cloud services.

#### Minimal Investment

Hyperconverged solution with software-defined storage to reduce your costs - minimal investment needed to launch.

#### High Availability and Performance

Resilient cloud platform with automatic recovery from server or component failure, and storage performance up to 3.5x Ceph.

#### Flexible Licensing Model

Licensing designed for service providers: pay as you grow, or choose a traditional perpetual license.

#### Flexible Deployment Options

Deploy in your datacenter, or get fully managed cloud infrastructure so you can focus on business development - it's up to you.

## Key Features and Components of Virtuozzo Hybrid Infrastructure

### #1 Resilient Compute and Networking

**High performance and high availability for Virtual Machines.** With an improved KVM hypervisor, GPU/vGPU support, and the ability to increase vCPU, memory and storage resources without downtime, your cloud is ready for enterprise workloads.

**Secure and isolated networking** with VXLAN networks, distributed virtual routers, Load Balancers and Security Groups.

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

### #2 Simplified Management

**Single management console** for compute, storage and network services.

**Multi-tenant self-service portal** for end-users with white labeling support.

**Single-click update** for all system components with Maintenance Mode for all services.

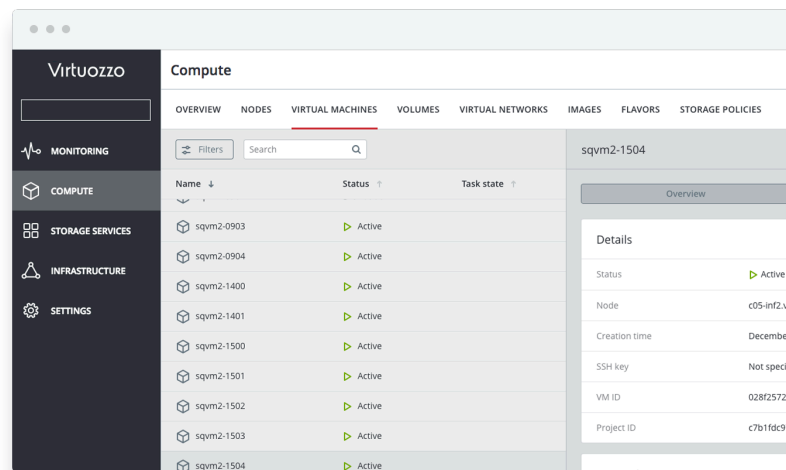
**Easy billing integration:** meter and bill for your cloud resources with popular cloud billing platforms such as WHMCS, HostBill and CloudBlue.

**Built-in advanced analytics and monitoring** with an alerting system and enterprise overview dashboards powered by Prometheus and Grafana.

**Comprehensive integration** with third party solutions via a 100% compatible OpenStack API

FOR MORE INFORMATION

[virtuozzo.com/hybrid-infrastructure](https://virtuozzo.com/hybrid-infrastructure)  
[info@virtuozzo.com](mailto:info@virtuozzo.com)



### #3 Software-Defined Storage

**Data redundancy** in case of any type of hardware failure, with support for block storage (VM volumes, iSCSI), 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.

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

