

SaaS Provider Increases App Efficiency with Containers and SDS

A leading SaaS company turned to Virtuozzo for an infrastructure optimization solution that combined containers and software-defined storage to ensure the best application performance for its customers, while maximizing server performance and securely isolating workloads.

After evaluating a commercial hypervisor and an open source solution, the company chose to deploy Virtuozzo across its global server fleet, supporting thousands of containers and several petabytes of data stored across multiple continents.

Tired of Paying the Hypervisor Tax?

Deploying and managing traditional virtualization solutions with storage, compute and networking as separate solutions introduces challenges that can quickly increase the complexity and cost of managing your infrastructure. This includes paying the everincreasing hypervisor tax, using different hardware for virtualization and storage, the need to manage 2x the amount of hardware and the related operational expenses, and working with multiple vendors – including some that may not turn out to be long-term partners for your business.

Why Virtuozzo

Software-Defined Hyperconverged Solution

With Virtuozzo's next generation hyperconverged platform, businesses can consolidate infrastructure and replace legacy technology with a single solution, including system container and hypervisor based virtualization, software-defined storage and a single control panel that all utilize the same x86 COTS servers.

Multi-Purpose, High Performance SDS

Virtuozzo's integrated software-defined storage enables you to maximize resource efficiency and support a broad range of storage needs, including additional data volumes, backups, and S3 object storage.

Optimized Density & Performance with System Containers

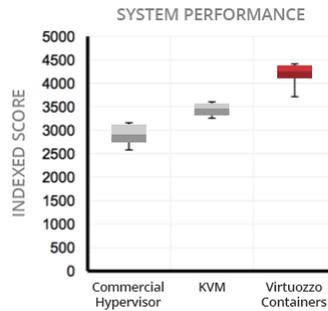
Virtuozzo's system containers enable a single operating system kernel to support multiple isolated virtualized instances, instead of just one in the case of traditional VMs. This approach provides a common, secure virtualization layer that allocates a single set of system resources across all system containers, resulting in a leaner, more efficient virtualization layer with bare-metal performance.

What You Can Achieve:

- Reduce infrastructure costs by 80%
- Stop relying on local server storage and maximize efficiency
- Reduce licensing and support costs by 60%

Innovator and Proven Provider

Virtuozzo has a rich history in virtualization innovation with 130+ patents in areas including containers, orchestration, software-defined storage, and live migration. Today, Virtuozzo has more than 5 million virtualized environments in production, and continues to be an active and influential contributor in the open source community.



Platform	MIN	5 TH	MED	95 TH	MAX
Commercial Hypervisor	2581	2758	2911	3121	3162
KVM	3259	3336	3457	3546	3606
Virtuozzo	3716	4123	4252	4379	4415

Source: Cloud Spectator

Key Benefits



Flexibility

Supports OS container and VM workloads, application container clusters, and value-added services like S3.



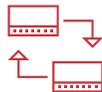
Isolated Private Environments

Restrict environments by quotas for fine grain control over resource utilization by departments/business units.



High Availability

Restarts all running containers and VMs when a node fails with minimal service downtime and no data loss.



Live Kernel Updates, Zero Downtime

Rebootless updates help avoid service disruptions while keeping servers up to date and secure.



Predictable Sizing

Provides sizing guides for storage coupled with different data protection models for agile capacity/protection/performance trade-off.

Ready to Take the Next Step?

Let us show you how to benefit from a next generation hyperconverged infrastructure management platform that helps you consolidate your infrastructure, reduce costs and improve performance with a modern, software-defined solution. Contact us at info@virtuozzo.com.

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