

# Heficed Moves From OpenVZ to Virtuozzo – Launches Next Generation VPS Services with Breakthrough Efficiency and Low TCO

*“Virtuozzo’s commercial solution enables us to run our mission critical data centers with the lowest TCO and the highest availability. Their solution offers ultimate flexibility with integrated containers, VMs and storage that’s easy to manage, and backed by responsive customer support – all of which are essential to run our business.”*

— Aistis Zenkevičius, Director, R&D

## About Heficed

Founded in 2008, Heficed was carefully built to change the way companies and government organizations order, lease, deploy, and manage IP addresses. The platform automates a time-consuming manual process for organizations with a need to deploy a large volume and wide variety of IP addresses, speeding up the process and lowering the costs associated with provisioning IPs to physical and virtual infrastructure.



## Executive Summary

Heficed provides cloud-based Virtual Private Server (VPS) solutions to customers worldwide. Having relied upon the OpenVZ open source virtualization solution for several years, the company was continuously facing increasing customization costs to support customer demands, while missing the new opportunities for business growth that a commercial solution could support. Migrating to Virtuozzo’s hyperconverged infrastructure (HCI) platform enabled Heficed to increase efficiency and offer customers a more powerful, next generation solution, while lowering costs to improve profit margins.

## Challenges

Heficed was using OpenVZ, an open source version of Virtuozzo’s virtualization platform, to run its VPS solutions. Challenges associated with managing an open source solution included: a lack of easy-to-use tools related to container management (e.g. fully integrated backup management, resource monitoring, reporting), not having a Linux kernel with the right level of quality assurance, no formal customer support contract or any guaranteed SLA, unsupported 3rd party distributed storage, and a lack of automatic software updates. In addition, Heficed had to rely on its engineering team to update and customize their virtualization solution, rather than fully focusing on their business. The company realized that the resources required to maintain its existing open source solution were leading to higher than expected costs and lacked the security, support and tools that could be gained from a commercial solution.

*“Virtuozzo proved that their solution is oriented towards the same goal as ours—providing high quality and highly available services combined with excellent customer support. We believe that this is the beginning of long-term partnership that will bring next generation VPS services to our customers.”*

— Aistis Zenkevičius, Director, R&D

### FOR MORE INFORMATION

Visit Virtuozzo: [www.virtuozzo.com](http://www.virtuozzo.com)

Heficed: [www.heficed.com](http://www.heficed.com)

## Solution

Heficed discovered Virtuozzo provided the benefits of an open source-based solution with the added value and formal support of a commercial solution, and made the decision to migrate to the commercial version of Virtuozzo to power its VPS solutions. Heficed has migrated over a thousand virtual private servers to Virtuozzo and plans to continue the transition. Virtuozzo's HCI platform has enabled high availability, increased security, and greater levels of flexibility to manage costs and improve profitability. Key benefits include: an easy to use graphical user interface and management as tools, rebootless Linux kernel updates with ReadyKernel technology that eliminate downtime, value-added features, such integrated software-defined storage, encrypted containers, and responsive customer support that is backed by production-grade SLAs. The ability to utilize built-in backup functionality also allows the company to offer an incremental backup feature, which provides faster backups for customers and fewer wasted resources. Built-in VNC functionality has made it easier to use the remote console in the client area as well.

The transition to Virtuozzo's HCI has allowed Heficed to increase container density per compute node by consolidating its infrastructure by 50%, which helps decrease costs while adding value to customers. Heficed is now able to differentiate its services by integrating new features that came with Virtuozzo into its solutions.

## Virtuozzo Benefits

The Transition to Virtuozzo enables Heficed to offer its customers improved service while cutting costs and increasing profit margins. Key benefits include:



### DIFFERENTIATED SERVICES

Leveraging Virtuozzo-powered containers, VMs and software-defined storage, Heficed is able to deliver highly cost-effective, high performance services with greater availability, security, and flexibility.



### USE COMMODITIZED HARDWARE

No proprietary, expensive, or dedicated hardware is required to deliver world-class service, performance, and availability.



### EASY INSTALLATION

Virtuozzo provides an easy to deploy hyperconverged platform with easier installation and management for VPS services.



### ZERO DOWNTIME

Virtuozzo's ReadyKernel technology, which is included in the Virtuozzo commercial platform, applies security updates to production servers in seconds, without any interruptions. The newer RHEL 7-based Kernel provides support for the latest hardware, allowing for maximum efficiency from modern, more powerful servers that reduce the footprint and improve energy efficiency.



### MANAGEMENT TOOLS

Virtuozzo provides powerful management tools via a web-based management UI, including fully integrated backup management, resource monitoring, and reporting.



### DATA SECURITY

Built-in data encryption allows Heficed to ensure container data is secure.



### RESPONSIVE SUPPORT

The Virtuozzo support team is available 24/7.

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