

Virtuozzo Hyper-V and Xen Virtualization

Virtuozzo, Microsoft Hyper-V and XEN Virtualization Hosting

Guru-host is able to offer you virtual private servers either on Xen, Microsoft Hyper-V or Virtuozzo technology.

The Virtuozzo approach is an operating system virtualization solution that harnesses the full power of your IT infrastructure by increasing the utilization of existing servers by 2X-3X over hypervisor solutions. With today's lean budgets, higher utilization of your existing servers represents cost savings not only in maintenance and energy costs but also from the potential elimination of new server expenditures. Virtuozzo virtual machines are hosted in Germany (Strasbourg).

PACKAGE	STORAGE	TRAFFIC	RAM	OS	PRICE
Virtuozzo-1024/25	25GB	5000GB	1GB(2GB burstable)	Linux	25€/month Details Order
Virtuozzo-3072/50	50GB	5000GB	3GB(6GB burstable)	Linux	32€/month Details Order
Virtuozzo-4096/75	75GB	5000GB	4GB(8GB burstable)	Linux	44€/month Details Order
Virtuozzo-5120/100	100GB	5000GB	5GB(10GB burstable)	Linux	52€/month Details Order

The Guru-host Windows virtual machines are based on Windows Server 2008 R2 Datacenter, with Hyper-V.

We constantly monitor the hosts with system center virtual machine manager 2008 R2 and operations manager 2007 R2.

If a host fails your virtual machine will automatically move to another host instantly.

Our servers are Dual Quad-Core 2.7Ghz HP DL385G5p's, providing you with some superb performance.

PACKAGE	STORAGE	TRAFFIC	RAM	OS	PRICE
Package 1	40GB	2500GB	1GB	Windows 2008 r2 Server	49€/month Details Order
Package 2	50GB	2500GB	2GB	Windows 2008 r2 Server	79€/month Details Order
Package 3	100GB	5000GB	4GB	Windows 2008 r2 Server	89€/month Details Order

The XEN based virtual machines (**now with Intel Xeon Nehalem processors**) are hosted on Hewlett Packard and IBM servers with dual quad core processors, DDR2 EEC FB RAM, hardware RAID6 or 10 and enterprise class SAS drives within the UK (London Redbus). A detailed FAQ can be found [here](#).

PACKAGE	STORAGE	TRAFFIC	MEMORY	OS	PRICE
Package 1	25GB	1000GB	2GB	Linux only	69€/month F.A.Q Order
Package 2	70GB	1500GB	4GB	Linux only	89€/month F.A.Q Order
Package 3	100GB	2000GB	6GB	Linux only	129€/month F.A.Q Order
Package 4	140GB	4000GB	8GB	Linux only	169€/month F.A.Q Order
Package 5	200GB	5000GB	12GB	Linux only	219€/month F.A.Q Order

All XEN based VPS plans comes with 12 cores apart from package 1 which comes with 4.

The XEN based VPS plans are the most powerful compared to the rest and this is why the difference

in price. If you are looking for the ultimate performance from a VPS look nowhere else than here! No fun, no money for us! We will refund the whole amount within 90 days if you are not happy with the performance.

[Details about the Virtuozzo virtual machines](#)

There are two types of virtualization on the market today. Hardware virtualization, or hypervisor, virtualizes at the hardware level creating a duplicate of all system resources such as operating system, CPU, memory and configuration files. This makes the common point of reference the hardware.

Multiple copies of system resources results in overhead on the server of up to 20%. Overhead reduces the ratios of virtual servers per physical server as well as overall system performance.

Virtualizing at the host operating system, Parallels Virtuozzo Containers provides a common virtualization layer that allocates system resources across all virtual servers, called containers. The result is a leaner, more efficient virtualization layer with an overhead of only 2%. This translates into higher ratios of virtual servers to physical servers, near-native server performance and unique advantages for management of the virtual environment. Some of these advantages include dynamic reallocation of resources and the ability to create links back to the server host operating system creating lightning fast management operations.

[Details about the Microsoft Hyper-V virtual machines](#)

Microsoft Windows Server 2008 R2 Hyper-V builds on the architecture and functions of Windows Server 2008 Hyper-V by adding multiple new features that enhance product flexibility. The adoption of virtualization in the enterprise has increased flexibility in deployment and life cycle management of applications. IT professionals deploy and use virtualization to consolidate workloads and reduce server sprawl. Additionally, they deploy virtualization with clustering technologies to provide a robust IT infrastructure with high availability and quick disaster recovery. Even so, customers are looking for more flexibility.

Windows Server 2008 R2 Hyper-V provides greater flexibility with live migration. Live migration is integrated with Windows Server 2008 R2 Hyper-V and Microsoft Hyper-V Server 2008 R2. With Hyper-V live migration, you can move running virtual machines (VMs) from one Hyper-V physical host to another, without any disruption or perceived loss of service.

IT professionals increasingly look to live migration to create a dynamic and flexible IT environment that responds to emerging business needs. Live migration provides the core technology required for dynamic load balancing, VM placement, high availability for virtualized workloads during physical computer maintenance, and reduced data center power consumption.

[Details about the XEN virtual machines](#)

The Xen® hypervisor is the powerful open source industry standard for virtualization, offers a powerful, efficient, and secure feature set for virtualization of x86, x86_64, IA64, PowerPC, and other CPU architectures. It supports a wide range of guest operating systems including Windows®, Linux®, Solaris®, and various versions of the BSD operating systems.

With Xen virtualization, a thin software layer known as the Xen hypervisor is inserted between the server's hardware and the operating system. This provides an abstraction layer that allows each

physical server to run one or more "virtual servers," effectively decoupling the operating system and its applications from the underlying physical server.

The Xen hypervisor is also exceptionally lean, less than 150,000 lines of code. That translates to extremely low overhead and near-native performance for guests. Xen re-uses existing device drivers (both closed and open source) from Linux, making device management easy. Moreover Xen is robust to device driver failure and protects both guests and the hypervisor from faulty or malicious drivers.