

Parallels® Virtuozzo Containers

Maximum efficiency for servers



Parallels® Virtuozzo Containers provides server virtualization with density ratios up to 2-3 times higher than leading hypervisor solutions.

Higher density translates into more utilization from your existing servers – potentially eliminating the need for new server purchases.

With more virtual servers per physical server, you experience increased cost savings in energy and cooling.

Maximize utilization of existing servers

Operating System Virtualization

- Lean, efficient virtualization layer means more headroom for virtual servers
- Isolated workloads ensure applications across business silos are secure
- Small footprint for virtual server reduces disk and memory usage

Increase team efficiencies

- New server deployment goes from click to ready-to-use within minutes
- Virtual operating systems automatically updated with host server OS
- Monitors & allocates system resources automatically

Scalable

- Single virtual server spanning all system resources up to 100's of virtual servers

Ease of Management

- Easy to use tools that simplify maintenance and support
- Easy integration into 3rd party applications
- Multiple management interfaces

The screenshot shows the 'OS Templates' section of the Parallels Virtuozzo Containers management interface. It features a search bar and a table of templates. The table has columns for Name, Version, Type, Description, Platform, Architecture, and Cached. One template is visible: 'windows_2008_dc_v_sp1-6.0.6001' with version 20090319, type Standard, and a description 'Windows Server 2008 Datacenter without Hyper-V (Full Installation) Service Pack 1 English x86 template'. The interface also includes buttons for 'New Template', 'Install to HNs', and 'Uninstall'.

Templates reduce effort to deploy and update operating systems & applications

The secret behind Parallels Virtuozzo Containers is operating system virtualization that provides a universal layer from which all system resources are allocated across every virtual server. Nothing gets wasted. This translates into a virtualization layer with only 2% overhead that produces faster context switching and better memory management.

Parallels Virtuozzo Containers also utilizes native kernel processes that are familiar to administrators. Flanked by low overhead and native kernel utilization, servers experience near-native performance as well as application & database optimizations being preserved.

Complete Solution

Parallels Virtuozzo Containers comes with a built-in GUI interface to manage individual servers or a command line interface (CLI) for scripting and integration. The optional web-browser solution, Parallels Infrastructure Manager, provides a single console view of the complete virtualization environment on top of the ability to manage both Windows & Linux virtual servers.

Parallels Infrastructure Manager comes with a built-in backup tool to help diminish solution costs. The administrator has the ability to define backup compression ratios ensuring minimum degradation to network performance.

Using Parallels Virtuozzo Containers

Internal & Commercial Cloud Computing

Provision, provide, monitor and manage large numbers of virtualized services, hosted applications and software on demand.

Virtual Desktop Infrastructure

Parallels VDI allows the central management of desktops from the data center without heavy lifting or making any application changes.

Software as a Service (SaaS)

Templates allow multiple instances of an application to be quickly deployed across high density IT infrastructures in a matter of minutes.

System Requirements

The following are hardware & software requirements for Parallels Virtuozzo Containers.

Platform for Linux environments

X86, IA64, AMD64, EM64T

Platform for Windows environments

Any x86 or x64 platform supported by Windows Server 2008 & Windows Server 2003 (Intel, AMD or similar) as well as IA64 for Windows Server 2003

Memory

50 MB per container

Hard Disk Space

20GB+ dependant on software installed on container

Supported Host OS

Linux:

CentOS 4, 5; Fedora 7, 8;
Red Hat Enterprise 4, 5;
SuSE Enterprise Server 10

Windows:

Windows Server 2008 (32 & 64-bit)
Windows Server 2003 (32 & 64-bit)

How to buy

Trial version can be downloaded from **www.parallels.com/virtuozzo** or our authorized partners.

For more information, contact us directly at: **+49 89 45 080 860** or via email at **munich@parallels.com**