



## HP and Parallels

Parallels Virtuozzo Containers OS Server Virtualization



# Parallels Virtuozzo Containers OS server virtualization offers the highest levels of density, performance and manageability.

### Virtualization out of control?

Traditional virtualization solutions have become pervasive, but IT managers must tackle limitations as they virtualize various applications in the datacenter. Performance overhead, increasing administrative complexity and time, and OS/VM sprawl are necessitating additional virtualization approaches.

### Virtualize without OS/VM sprawl or performance issues

Consolidation of computing hardware has historically been the first step in consolidation projects. Parallels Virtuozzo Containers takes this a step further by consolidating OSs via a unique technology and management interface that reduces costs and complexity.

Virtuozzo Containers offers high server density through its near-native server performance architecture, making it suitable for performance sensitive applications and servers. The patented Virtuozzo architecture further accelerates the cost savings through a unique single OS architecture and extensive management tools that help accomplish the “impossible”, saving administrative time by reducing and automating server management tasks.

### Solution benefits

- Consolidation ratio/density – 3x the number of virtual servers on each hardware node.
- The best manageability – only solution to decrease OS sprawl and administrative time.
- Native performance – consolidate performance sensitive workloads without degradation.
- Dynamic resource allocation – change resource parameters in real-time.
- High-availability – optimal uptime and reliability to improve business continuity.

### Working together with HP

For businesses of all types, you can increase the long-term value of our solution with HP ProLiant servers. The reliability of HP ProLiant servers makes them ideal platforms for consolidation projects based on virtualization technology from HP partners.

The total cost discipline of HP ProLiant helps you leverage resources for even greater strategic contribution to your business. With the broadest family of investment-savvy products, you can lay the foundation for the efficiency-driven data center of the future. And because HP ProLiant is fully integrated with superior management tools that make managing your environment a snap, you can reap the benefits immediately. With HP ProLiant, it's easy to optimize the financial impact and value of IT—letting you focus your time, budget and talent where it matters most.

A trusted experience with HP ProLiant means greater professional confidence for you. HP consistently delivers the IT solutions more customers count on worldwide. In fact, we're investing in the lasting success of our customers and partners by engineering reliability and trust into every product and service we offer. By designing proven solutions that you can use to meet your most demanding challenges, we can help you plan and execute IT initiatives that produce enviable results.

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## Efficient virtualization

### Parallels Virtuozzo Containers:

- Has the lowest management and operations cost of any virtualization solution. Eliminate sprawl issues by deploying patches universally with a single task. Automate routine tasks. Manage virtualization without learning a new OS.
- Parallels Virtuozzo Containers delivers the highest consolidation ratios or density, providing the best return on investment. Patented architecture, single OS and unique use of resources allows 100's of containers per server.
- Parallels Virtuozzo Containers ensure that applications operate at their peak performance. Near-native performance architecture ensures that applications run without throughput degradation.
- Parallels Virtuozzo Containers ensures optimal uptime of servers, containers and applications. Server and container clustering ensures continuous availability of applications. Protect mission-critical data with built-in, complete backup and restore capabilities.
- Parallels Virtuozzo Containers supports OS virtualization running Linux or Windows operating systems on both HP ProLiant Servers and HP Integrity Servers.

### HP products supported

Our solutions are supported on a broad range of HP servers across both RISC and/or Intel® architectures. From blades and clustered servers to high-powered 64-bit, multi-processor super-computing, HP servers set the standard for performance, scalability, availability and manageability. With their industry-leading innovation and value, HP servers are the ideal choice to meet your most demanding business needs.

### Operating systems supported

The HP ProLiant makes it fast and easy to deploy, customize and grow your business technology infrastructure on your terms. When configured with HP ProLiant servers, you get proven server reliability and innovation in an industry-standard platform that improves operational efficiency while managing complexity and risk. With HP StorageWorks storage arrays, you also gain simple storage expansion and flexible data protection. And take complete control of your server infrastructure from anywhere at any time

using Insight Control management software—tools that give you the confidence to reliably deliver stable IT infrastructure.

### Service and support

Working with HP Services, we provide you with a complete portfolio of services tailored to your unique business and IT needs. We leverage the proven methodologies and expertise of over 65,000 HP services professionals around the world to help your company design, build, integrate, manage and evolve an HP BladeSystem infrastructure that lets you respond to business changes easily and cost-effectively.

### Building on the value of strong relationships

By working with HP, we have the resources, experience and knowledge of an industry leader to ensure our solution delivers the business results and value your company requires. HP is a company that thrives on innovation, with a proven track record of success in virtually every market, customer segment and region worldwide. Together, we have the technology and services to meet your most demanding needs.

Powering more than 130,000 servers and 600,000 desktops worldwide, Parallels is a global leader in virtualization and automation software that helps consumers, businesses, and service providers optimize their use of technology. Founded in 1999, Parallels has offices across North America, Europe, and Asia. For more information, visit [www.parallels.com](http://www.parallels.com).

### Working together to drive success

By combining standards-based and modular technologies with our leading-edge applications and a full portfolio of services, you gain a powerful, flexible solution that meets your business needs today—and adapts dynamically as those needs change. That's the foundation for building an Adaptive Enterprise in which business and IT are synchronized to capitalize on change. That's a solution that will drive your success for the long term.

## Technology for better business outcomes

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To learn more, visit [www.hp.com](http://www.hp.com)  
<http://www.parallels.com/virtuozzo>

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