



HP and Parallels

Parallels Virtuozzo Containers for HP Integrity servers



Operating system virtualization for servers that offers the highest levels of density, scalability, performance and manageability

Virtualize intensive workloads

Overhead and operating system (OS)/virtual machine (VM) sprawl have necessitated a different approach to virtualization, especially for performance sensitive and resource intensive workloads. Users of HP Integrity servers running native Microsoft® Windows® or Linux now have a new virtualization option well-suited to these types of applications.

Limit OS/VM sprawl and performance impacts

Consolidation of computing hardware has historically been the first step in resource optimization projects. Parallels Virtuozzo Containers takes this a step further by consolidating OS's via a proven technology and management interface that reduces costs and complexity.

Virtuozzo offers high server density through its near-native performance architecture, making it optimal for performance-sensitive applications. Parallels accelerates cost-savings through a unique, single OS architecture and extensive management toolset. Users save administrative time, and automate management tasks while enabling resource intensive workloads to be addressed.

Solution benefits

- Consolidation ratio/density – 3–10 times the number of virtual servers on each hardware node
- Manageability – only solution to decrease OS sprawl and administrative time
- Native performance – consolidate and scale sensitive workloads

- Dynamic resource allocation – change resource parameters in real-time
- High-availability – optimal uptime and reliability to ensure business continuity

Working together with HP

Businesses of all types can maximize the long-term value of our solution by choosing HP Integrity servers. Offering one of the industry's leading scale-up and virtual environments, HP Integrity servers are the ideal platform for enterprise consolidation projects based on virtualization technology from HP and Parallels. You will find that HP Integrity server technology delivers in a consolidated and virtualized environment.

Consuming minimum resources to provide maximum power—exactly when it's needed—HP Integrity servers offer the right level of availability for every application, every user, every time. You can trust energy-efficient HP Integrity servers to make the most of every element in your infrastructure.

When you choose HP Integrity servers to power your consolidated and virtualized environment, you receive a mission-critical business solution that's trusted by more 911 systems, more hospitals with their infrastructures, more financial institutions with their assets, and more global stock exchanges with their transactions. For these and other organizations—including nearly 60 percent of all Fortune 100 companies—energy-efficient HP Integrity servers have become a mainframe alternative by providing the business-critical services required in today's always-on global marketplace.

Efficient virtualization

Parallels Virtuozzo Containers have the lowest management and operations cost of any virtualization solution. Eliminate OS/VM sprawl issues and streamline management by deploying patches universally with a single task and deploy virtualization without learning a new OS.

Parallels Virtuozzo Containers deliver the highest consolidation ratios, providing the best return on investment. Patented architecture, single OS and unique use of resources allows hundreds of containers per server, or scaling a select set of containers to the full system resources. A near-native performance architecture ensures that applications run without throughput degradation.

Parallels Virtuozzo Containers ensure optimal uptime of servers, containers and applications with built-in backup and restore capabilities that protects mission-critical data. Server and container clustering provides continuous availability of applications.

Parallels Virtuozzo Containers support OS virtualization on both HP ProLiant servers and HP Integrity servers. Scale out or scale up with the hardware architecture most suited to your application requirements.

HP products supported

Our solutions are supported on a broad range of HP servers across both x86/x64 and Intel® Itanium® architectures. From blades and clustered servers to high-powered, 64-bit, multi-processor supercomputers, HP servers set the standard for performance, scalability, availability and manageability. With industry-leading innovation and value, HP servers are the ideal choice for helping you meet today's business challenges while preparing for tomorrow's.

Operating systems supported

Our Linux-based solutions are built on innovative software and standards-based servers—delivered by service professionals with extensive experience. By working with HP, we can leverage its worldwide leadership in Linux to provide optimized solutions based on HP Open Source Integrated Portfolio (OSIP) and HP Open Source Middleware Stacks (OSMS). You can trust our combined expertise to provide the

proven, cost-effective Linux solutions you need to drive a fast return on your IT investments.

Our solutions are optimized for Microsoft Windows environments. By working collaboratively with HP, we can leverage extensive HP experience—deploying more than 11 million Microsoft Windows 2000/2003/XP seats, as well as over 1400 Microsoft .NET projects—to design a Microsoft Windows-based solution that precisely matches your business needs. You can trust HP to deliver highest-quality solutions quickly, efficiently and at the best cost—enabling you to keep pace with the rapid changes in today's volatile marketplace.

Service and support

Working with HP Services, you can choose from a comprehensive portfolio of services for Linux, tailored to your unique business and IT needs. You can benefit from the proven methodologies and expertise of over 6500 Linux and open source service professionals, as well as 16 response centers located around the world. You can trust HP Services to help you design, build, integrate, manage and evolve an infrastructure that enables you to 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 1 million desktops and servers 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, and is an HP Infrastructure Advantage Partner.

Working together to drive success

By combining standards-based and modular technologies with our leading-edge applications and comprehensive services portfolio, you gain a powerful, flexible, solution that meets your business needs today and dynamically adapts as those needs change. We provide an agile foundation for building a highly responsive enterprise that drives better business outcomes and promotes your long term success.

Technology for better business outcomes

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