



HP Integrity server solutions with Microsoft® Windows® Server and SQL Server

Business-critical capabilities for demanding
Windows environments

Overview

- Achieve mainframe-level reliability and availability with a standards-based platform
- Rapidly respond to market changes with unprecedented flexibility
- Lower costs through simplified management and more efficient operation

IT has undergone a huge transformation in recent times. Businesses today are no longer looking at IT to support daily business operations—rather, they're looking at IT to run the business. Like many IT managers, you're probably feeling the pressure to improve operations, cut costs, and respond to a level of unprecedented change—all at the same time. You may be looking to consolidate or enhance your system's scalability so that you can do more with

less. You might be looking for more horsepower to better manage memory- and processing-intensive applications or to fuel the increasing demand for business intelligence capabilities. Or maybe you're feeling constrained by expensive proprietary offerings and want a standards-based alternative that's just as reliable but more cost-effective and flexible.

HP Integrity servers running Windows Server and SQL Server can help you meet these demands with a unique combination of mainframe-level reliability, scalability, and performance—and all the benefits of a standards-based solution. With Windows Server and SQL Server on HP Integrity servers, you can run your business more productively and achieve better business outcomes.



HP and Microsoft—a history of innovation

HP and Microsoft have been collaborating closely for over 20 years—with over a decade of joint development around the Intel® Itanium® architecture—to deliver enterprise-class solutions that have the scalability, availability, and standards-based TCO that you need to drive your business with confidence.

HP Integrity servers—the most trusted business-critical platform

Always scalable

HP Integrity servers provide the scalable performance necessary to consistently meet the demands of real-time business. With up to 64 processors, 2 TB of memory, and 192 I/O slots in a single server, Integrity servers are designed for large online transaction processing (OLTP) applications and memory-intensive data warehouse and business intelligence solutions. You can also quickly and seamlessly deploy new solutions and applications with a system that supports heterogeneous computing environments and enables you to perform fast, in-box technology upgrades for greater computing capacity.

Always available

Keeping business-critical applications up and running while you safeguard sensitive data is a must in today's environment. With Windows-based HP Integrity server

solutions, you can achieve the same degree of high availability and disaster tolerance that you would typically find in proprietary RISC-based or mainframe systems, while benefiting from industry-standard economics. Superior reliability is built into every Integrity server with a range of high-availability features, including enhanced Machine Check Architecture (MCA) error handling and logging, single-bit error checking and correction (ECC), double-chip spare, and ECC for both cache parity and recovery from data bus errors. You can extend availability and disaster tolerance further with local and geographically dispersed clustering capabilities and business-critical services designed specifically for Windows environments. And, you can rest easy knowing your data is secure, thanks to the integrated adaptive security capabilities in Windows-based Integrity server solutions.

Lower TCO

Reducing costs is a priority for most companies. HP Integrity servers help lower costs by enabling you to achieve more with every hour, watt, and dollar. In fact, HP Integrity servers can help you save up to 50% on your overall costs.

You can start by significantly reducing your CPU-based software and application licensing costs with a consolidated HP Integrity server environment that delivers greater overall utilization. With HP's unified management solutions, your IT staff can manage more in less time, reducing costs and providing opportunities to shift valuable resources from maintenance to more business-critical tasks.

“We’re running one of the world’s largest single global instances of SAP ERP on Windows. By migrating to HP Integrity servers with Dual-Core Itanium processors and Microsoft Windows, we’ve created a much more agile, cost-effective infrastructure that combines the performance and reliability of our previous mainframe platform with the benefits of a standards-based solution.

Bob Elward, Director Client/Server Engineering
Global IT Infrastructure Services
Air Products and Chemicals, Inc.

With the HP Integrity Essentials Foundation Pack for Windows, HP provides you with a single, comprehensive source to quickly and easily deploy and manage your Windows servers, so you can get on with more business-critical IT tasks. The pack includes the Smart Setup CD with all the latest HP drivers, firmware, utilities, Insight Management agents, and Version Control agents to assist in the server deployment process and ongoing management of your system.

Integrity servers also deliver energy efficiencies that can reduce the cost of power consumption and cooling by up to 50%. And Integrity servers integrate with Dynamic Smart Cooling, the first solution of its kind to automate and optimize HVAC.

Customize your solution with a broad selection of HP and partner offerings

The broad Integrity server portfolio from HP provides the ideal foundation upon which to build enterprise-class Windows Server and SQL Server solutions that meet your specific business needs. Our longstanding partnerships with leading independent software vendors (ISVs) and rigorous solution-level testing enable best-in-class Itanium-based solutions that are easily designed, deployed, and maintained.

HP StorageWorks solutions

You want assurance that your information is protected, yet readily accessible to those who need it. HP StorageWorks solutions deliver simplicity, agility, and value—while keeping your data secure and available. Maximize your storage environment to deliver superior IT services and support. Improve service levels, manage risk, and reduce costs while consolidating storage. And easily meet compliance demands, so your information works as a strategic asset, rather than a liability. For more information about StorageWorks, contact your HP sales representative or visit: www.hp.com/storage.

Scalability to meet even the most demanding businesses challenges

- HP Integrity servers leverage the capabilities of the Intel Itanium microprocessor, which is integrated with the HP Scalable Processor Chipset zx2 in entry-level servers and the HP Super-Scalable Processor Chipset sx2000 in midrange and high-end servers to give you the scalable performance you need to meet current and future business needs
- HP Integrity BL860c Server
- HP Integrity BL870c Server
- HP Integrity rx2660 Server
- HP Integrity rx3600 Server
- HP Integrity rx4640 Server¹
- HP Integrity rx6600 Server
- HP Integrity rx7620 Server²
- HP Integrity rx7640 Server
- HP Integrity rx8620 Server²
- HP Integrity rx8640 Server
- HP Integrity Superdome SX1000 Server²
- HP Integrity Superdome SX2000 Server

¹ Supports Windows Server 2003 only

² May require I/O hardware reconfiguration to run Windows Server 2008

HP Financial Services

HP makes it easy on the balance sheet to put the power of the HP portfolio to work for you through HP Financial Services. For more information on these services, contact your HP sales representative, or visit: www.hp.com/go/hpfinancialservices

Put HP Integrity servers to work for you today

HP Integrity servers running Windows Server and SQL Server provide the unique combination of mainframe-level reliability, scalability, and performance along with the cost advantages and the flexibility of a standards-based solution. To learn more about how HP Integrity servers with Windows Server and SQL Server can help you create a powerful, agile infrastructure, please contact any of our worldwide sales offices or authorized resellers, or visit: www.hp.com/go/integrity/windows

HP Services

HP's end-to-end support for Microsoft Windows and .NET-based solutions cover the total solution, including servers, storage, network, operating system, and applications such as SQL Server and SAP.

- **Microsoft prior version support**—problem identification/resolution support; online access to tools; technical information; conferences and symptom/solution databases; and best-endeavor problem analysis
- **Migration services**—plan and execute a smooth transition program with applications and data migration services
- **License management services**—help maximize your purchasing power, tighten control of your environment, and achieve licensing compliance
- **Software support**—choose from a range of response times and coverage levels, including remote problem diagnosis and resolution; online self-help; usage advice; software defect identification; installation and update assistance
- **Integrated hardware and software support**
 - HP Proactive 24 Service—proactive and reactive services to improve stability and availability across your environment
 - HP Critical Service—comprehensive support designed to minimize the business impact of downtime for mission-critical applications
- **Education services**—curriculum of traditional classroom and online instructor-led courses delivered off-the-shelf or customized

For more information, contact your HP sales representative or authorized HP reseller, or visit:

www.hp.com/services/microsoftservices

To learn more, visit www.hp.com

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