

HP ProLiant DL585 G7 and HP ProLiant BL685c G7 servers running an SAP® environment

Powered by the AMD Opteron™ 6100 Series processor

Solution brief

Virtualization at the enterprise level

To win in today's competitive marketplace, your company needs to be agile in both business and technology. You need lean, efficient IT solutions that simplify your life in the face of growing complexity and escalating operating expenses. You can get there by virtualizing your SAP® solution-based environment on HP ProLiant DL585 G7 and HP ProLiant BL685c G7 servers powered by the AMD Opteron™ 6100 Series processor. Integration with VMware vSphere and Microsoft® Hyper-V™ and testing with SAP applications give you unbeatable flexibility, efficiency, ease of use and fast ROI.

At the heart of the HP ProLiant DL585 G7 and the HP ProLiant BL685c G7 servers is the AMD Opteron 6100 Series processor. The x86 industry's first 12- and 8-core processor supports the most demanding server workloads, keeping pace with rapidly changing needs. AMD's next-generation Direct Connect Architecture 2.0 provides four memory channels per CPU, and HyperTransport™ 3.0 (HT3) technology delivers up to double the performance for core and memory-intensive virtualization workloads.

In addition, the AMD Opteron 6100 Series processor provides leading virtualization performance, improving reliability for your most demanding SAP applications. Combine legacy servers into a virtualized server pool to extend failover, load balancing and disaster-recovery capability.

Unrivaled athleticism

With the need for virtual machines expected to double by 2012,¹ you can get ahead of the curve by virtualizing on new HP ProLiant DL585 G7 and HP ProLiant BL685c G7 servers with the AMD Opteron 6100 Series processor. A virtualized environment based on the HP Converged Infrastructure gives you faster processing, fewer physical machines, easier administration and less energy consumption for your SAP installation. You spend less, yet gain more power to flex your competitive muscle.

Fine-tuned to perform

IDC reports HP Insight Control ROI is up to \$48,000/100 users over three years, with payback well under a year.² HP Insight Control offers the flexibility to integrate seamlessly into Microsoft System Center and VMware vCenter Server for environments already using these management tools. In addition, HP Insight Control extensions enable best-in-class deployment, monitoring, remote control and power optimization with management consoles from HP Software, Microsoft and VMware or in a Linux-centric environment. HP Insight Dynamics for ProLiant provides SAP installations with workload and resource management for data-center energy management. And the automated consolidation capabilities of a virtual SAN allow you to combine multiple storage resources, while reducing cost for high-availability systems by approximately 50% and increasing storage capacity utilization by 30%.³

HP, AMD and SAP

HP, AMD and SAP are collaborative partners who work together to create innovative and proven solutions. With AMD delivering highly integrated server platform building blocks, we instill confidence by providing thoroughly validated and reliable solutions. With scalable performance, flexible virtualization and advanced reliability, our servers—powered by the AMD Opteron 6100 Series processor—are the right investment. You can tackle database and virtualization workloads cost-effectively, with configurations offering 4P performance at 2P economics.⁴

Whether you are looking for a Windows or Linux solution, we can help you create your high-availability scale-up solution. HP is a certified global SAP Partner, supporting over 1.7 million users in more than 50 countries with thousands of HP SAP experts. As one of SAP's larger technology partners and customers, HP integrates, certifies and optimizes SAP-specific services, including 24x7 reactive support through the HP Global SAP Solution Centers.



Solution option	Description
HP ProLiant servers	<ul style="list-style-type: none"> HP ProLiant DL585 G7 and HP ProLiant BL685c G7 servers with the AMD Opteron 6100 Series processors running SAP virtualized solutions
HP StorageWorks	<ul style="list-style-type: none"> HP StorageWorks EVA4400 provides affordable enterprise-class storage with optimal capacity usage, simplified integration and management, easy installation, high availability and low TCO
HP Management tools	<ul style="list-style-type: none"> HP Insight Dynamics for ProLiant with SAP applications integration, HP Insight Dynamics infrastructure orchestration for SAP BusinessObjects Enterprise XI and HP Insight Control powered by iLO Advanced
HP Technology Services	<ul style="list-style-type: none"> Manage your SAP environment with Mission Critical Services for SAP, HP SAPS Meter Service for consolidated and virtualized SAP infrastructures and SAP Application and Infrastructure Modernization Services; for more information, visit www.hp.com/services/proliant or www.hp.com/go/bladesystem

Benefits of our solution

Our solution equips you with smart tools to accurately configure physical and virtual servers in minutes. Instantly connect to business processes and the information you need to adapt and make solid business decisions. Reduce energy consumption with HP Thermal Logic technology and Dynamic Power Capping in the HP Insight Control power management tools.⁵ In addition, the HP Converged Infrastructure provides servers, storage and networking—all managed through a common platform to deliver a new level of integration, simplicity and automation that result in faster ROI, more flexibility and less risk. And the best part: You gain all this at a lower overall cost, giving your enterprise the agility to run with confidence and compete to win.

For more information

Call your authorized HP and SAP reseller today. For more, visit www.hp.com/go/proliant. Learn about our virtualized SAP solution at www.hp.com/go/sap. Read about the AMD Opteron 6100 Series processor at www.amd.com/opteron. Check out the HP Converged Infrastructure strategy at www.hp.com/go/ConvergedInfrastructure.

¹ HP CIO survey 2009

² "Gaining Business Value and ROI with HP Insight Control," IDC May 2009

³ HP StorageWorks Proof-Point Background Document

⁴ Based on Six-Core AMD Opteron™ processor Model 2435 1ku at \$989 as of 10/19/09 vs. AMD Opteron™ processor Model 6172 ("Magny-Cours") 1ku at \$989 at time of launch

⁵ http://h18004.www1.hp.com/products/blades/thermal-logic/?jumpid=reg_R1002_USEN

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