**DB2**® Information Management Software

# IBM DB2 Universal Database, HP servers and SAP software

## Highlights

■ *HP and IBM collaboration and experience result in faster and less expensive deployment of SAP software*

■ *IBM DB2 Universal Database is optimized for SAP software to deliver low TCO, high performance and simplified installation and maintenance*

■ *Comprehensive HP and SAP solutions have been proven in over 40,000 installations*

■ *Scalability, high availability, manageability and virtualization capabilities of HP architecture enhance the performance of DB2 and SAP solutions*

### IBM software and HP servers: unparalleled performance for your SAP software

Extracting optimal performance from your SAP® software requires a robust, scalable and reliable information management and server platform. You need to be able to integrate your SAP solution with your existing environment and with other applications you may choose in the future—and keep development and operational costs down.

Your challenges may be complex, but your solution is clear: IBM, HP and SAP. Working together, we are solving companies' toughest business problems with a comprehensive platform comprising IBM DB2® Universal Database™ and HP Integrity servers with SAP enterprise resource planning software. Collectively HP, IBM and SAP offer more than 50 years of collaboration, expertise and dedicated customer support.

### Delivering database performance through collaboration

For more than ten years, IBM and HP have worked together to optimize DB2 Universal Database for HP platforms, providing enterprise customers with integrated solutions that combine the scalability of DB2 and the reliability and high availability of HP's full line of enterprise servers.

*Optimizing DB2 on HP*—IBM and HP work closely together to take full advantage of DB2 Universal Database and HP server technologies, and to optimize the capabilities of DB2 products on HP's platforms. Additionally, since more than 98 percent of the DB2 engine is common across platforms, customers can expect the same DB2 engine on HP platforms that they are accustomed to on other platforms, thereby lowering implementation costs and speeding deployment.

*Service and support*—IBM and HP engineering teams work together to solve customers' technical issues, as exemplified through the Technical Support Alliance Network (TSANet), a global organization of which both IBM and HP are members. TSANet facilitates seamless collaboration by providing standards-based call handling processes.

*Sales and marketing*—Our dedicated alliance managers and technical resources are focused on how to best meet joint customer needs through presales support, by developing marketing and informational programs, and by working with our development teams to ensure that the right product set and functionality is available for our joint customers.

**ON** **DEMAND BUSINESS**™

## Low TCO and manageability for mission-critical applications

> *"SAP, HP and IBM share a common goal: to focus on the needs of customers and to deliver products and services that give them competitive advantage in the marketplace. With these two premier partners, SAP is delivering an outstanding, high-value solution that gives customers additional choice in a rapidly evolving market. SAP looks forward to continued collaboration with both of these long-time partners to further meet customer needs."*
>
> *—Karl-Heinz Hess, Senior Vice President, Active Global Support, SAP AG*

Going forward, HP and IBM are committed to joint investments in engineering, solution tuning and technical planning, as well as the development of standards, to enhance the value of the alliance for SAP customers.

### IBM DB2 Universal Database optimized for SAP

For 30-plus years, IBM and SAP have partnered to deliver solutions to the marketplace. More than 6,500 customers worldwide are running their SAP solutions on DB2 Universal Database. In addition, DB2 is one of the main development platforms within SAP, proof positive of SAP's confidence in the reliability and performance of the IBM database. DB2 Universal Database is optimized for the largest SAP enterprise infrastructure implementations involving large volumes of data and requiring high performance. It also adapts well to meet the special needs of small to medium-size business (SMB) customers by providing ease of use and simple administration. In fact, that's why SAP has chosen DB2 Universal Database for its SMB solution, SAP Business One.

Customers choose DB2 Universal Database because it outperforms the competition, specifically:

*Total cost of ownership (TCO)*—DB2 Universal Database is less expensive to purchase and maintain than competitive offerings. A 2005 Market Magic Research report ranks DB2 Universal Database, Version 8.2, as the best value for TCO nearly 65 percent of the time[1].

DB2 offers tools running on the HP-UX operating system that simplify database administration and maintenance, saving database administrators (DBAs) time and money.

*Performance*—DB2 is the first available database with parallel-mode functionality offered since SAP BW 2.0 for SAP NetWeaver® Business Intelligence (BI). This technology ensures faster response times for complex queries, including those associated with online analytical processing (OLAP) applications handled by SAP NetWeaver BI.

*Manageability*—DB2 tools include the SAP DBA Cockpit for DB2, which is fully integrated with the SAP Computing Center Management System, a set of integrated tools for monitoring and administering SAP environments. Also included are IBM Self-Managing and Resource Tuning (SMART) capabilities for managing performance, availability and data integrity.

*Ease of installation*—DB2 is the only database with SAP-specific, advanced autonomic features, such as an SAP tuner, designed to streamline the installation and configuration process.

*IBM SAP Integration, Support Centers*—IBM and SAP have dedicated support centers worldwide to provide customers with 24x7 assistance for DB2 Universal Database, including defect support, phone support and Web support. IBM and SAP have two integration and development centers in Walldorf, Germany and Toronto, Canada that provide joint development support, a technical advocacy program and customer briefings.

The latest release of DB2 Universal Database has features that allow IT managers to maintain focus on managing their business-critical processes, not their information infrastructure. Autonomic capabilities such as self-tuning, self-configuration, silent installation and dynamic storage allocation enable SAP users to get the best performance from their investment, while minimizing DBA intervention. DB2 Universal Database also has performance-boosting features specifically enhanced for SAP users, including multidimensional cluster (MDC) tables that optimize performance for customers running SAP NetWeaver BI, and SQL optimizations that are tailored for SAP solutions to vastly improve query times.

IBM and SAP will continue to collaborate and, every year, will release an integrated version of DB2 Universal Database and SAP NetWeaver. The most recent release includes continued support for HP 9000 (PA-RISC) and HP Integrity (Itanium) platforms, as well as HP's ProLiant hardware line.

**HP and SAP: A proven track record**
Nearly half of all SAP installations worldwide run on HP platforms. For 15 years and in over 40,000 successful joint installations, HP and SAP have partnered to deliver complementary and integrated solutions to help the enterprise run more effectively and to provide the flexibility and resilience to adapt to changing business needs—all while maintaining a stable cost structure and seamless ease of use.

SAP and HP deliver a broad solution—business process applications designed to meet customers' specific business needs, integrated management software to monitor SAP application performance, and the systems and servers on which these run. HP-SAP solutions are enhanced by specialized consulting, support and managed services that are tailored to your unique requirements.

**HP delivers performance for SAP on IBM DB2 Universal Database**
HP offers a wide array of HP enterprise servers based on PA-RISC and Intel processors. These provide price-performance, scalability, high availability, manageability and virtualization to meet the growing demands of business-critical information management applications such as SAP, while allowing enterprises to simultaneously drive down IT costs and increase business agility.

*HP Integrity servers*—Based on the Intel® Itanium® 2 processor, these servers provide outstanding performance for the industry's most demanding and diverse environments, allowing customers to cost-effectively manage exacting workloads across HP-UX, Linux® and Microsoft® Windows® operating systems.

*HP-UX*—The latest release of DB2 Universal Database on HP-UX uses Profile Based Optimization to take full advantage of HP Integrity servers. Both HP-UX 11i, Version 1, and HP-UX 11i, Version 2, exhibit consistent behavior on PA-RISC and Itanium platforms, using virtually the same system management utilities to ease the administrative overhead associated with migration from PA-RISC to Itanium.

*Virtualization*—HP virtualization solutions help your organization pool and share IT resources, lowering your costs by optimizing utilization while increasing agility, enabling you to rapidly respond to changes in the marketplace. The HP Virtual Server Environment provides a pool of virtual servers that can grow or shrink based on service level objectives and business needs. HP's nPartition system enables configuration of a single-server complex as one large system or as multiple smaller systems. These hard partitions are designed to provide complete electrical and software isolation.

*High Availability*—HP Serviceguard, which monitors the health of each node to protect business-critical applications from software and hardware failures, is supported in homogenous and heterogeneous environments such as PA-RISC and Itanium, and has been tested with DB2 in homogenous environments.

*Manageability*—HP offers management software to allow enterprises to rapidly troubleshoot problems, adapt quickly to change and keep data secure, ensuring that business-critical data and services are delivered on time, all the time.

## Committed to your success

HP and IBM offer a world-class combination of market leadership, long-term partnership with SAP, and optimization for SAP solutions to ensure your business success, whether you are newly deploying SAP or migrating an existing system.

Advanced technology. Powerful solutions. Continual innovation. Why trust your enterprise to anything less?

## For more information

To learn more about deploying SAP on DB2 Universal Database and HP server platforms, please contact:

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Or visit:
IBM Information Management Products for HP
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