

IBM SYSTEMS SOLUTION FOR *SAP NETWEAVER BUSINESS INTELLIGENCE ACCELERATOR*
EXTENDING YOUR BUSINESS INSIGHTS



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NEAR REALTIME ANALYTICS – THE CHALLENGE

Timely access to relevant information has always been critical to business success. Now, with the widespread use of the Internet and new data collection technologies, the need to turn huge data volumes into ad-hoc and structured business management information rapidly has matured to become a “must have.” With SAP NetWeaver® Business Intelligence (SAP NetWeaver BI) as the cornerstone of many application landscapes, customers have a business tool to integrate data from across the enterprise and beyond, and transform it much faster into practical, timely business information to drive sound decision making, targeted action, and solid business results.

THE SOLUTION

Now SAP NetWeaver BI Accelerator – innovative analytical software within SAP NetWeaver BI – enables customers to analyze large amounts of critical business information up to two hundred times faster than alternative tools. It crunches through terabytes of data in a matter of seconds, without the need for dedicated database administrators building pre-defined aggregates or spending valuable time on query tuning. IBM®, SAP and Intel have created an “out-of-the-box” appliance that enables customers to deploy SAP NetWeaver BI Accelerator in an easy, cost-effective way. Shipped on Dual-Core Intel® Xeon® processor-based blade servers, the IBM Systems solution for SAP NetWeaver BI Accelerator helps realize the benefits quickly.

SAP NetWeaver BI Accelerator extends traditional SAP NetWeaver BI software by delivering:

- *Query processing up to two hundred times faster than traditional approaches*
- *In-memory processing, smart compression and search engine-based parallel processing, to enable increased speed and flexibility and deliver business value*
- *Increased productivity through empowering users of business intelligence*

IBM BladeCenter® Technology is the perfect fit for the infrastructure requirements of SAP NetWeaver BI Accelerator:

- *Offers fundamental design advantages that have made IBM the market leader in blade technology*
- *Ensures business continuity with built-in redundancy and the highest level of scalability in the industry*
- *Offers unrivalled performance at low cost of operation*

IBM System Storage™ products complement the solution with:

- *Fast and reliable access to large volumes of data, unleashing your information assets*
- *Dedicated fibre channel attachment, ensuring fast index updating and reducing general network I/O traffic for greater performance*
- *Robust systems with very high data integrity and failover capabilities for continuous operations*

SAP, IBM AND INTEL – COLLABORATION FOR YOUR SUCCESS

IBM collaborated with SAP and Intel in the development of the IBM Systems Solution for *SAP NetWeaver BI Accelerator*, using advanced software and hardware technology to maximize performance and scalability. The solution comes as a pre-installed, compact appliance, and runs on IBM BladeCenter equipped with Dual-Core Intel® Xeon® processors. Built on Intel's 20-year track record of delivering enterprise-class performance, quality, and scalability, these new processors enable more efficient, dependable, and responsive IT – helping you keep your business ahead of the competition.

IBM Systems Solution for *SAP NetWeaver BI Accelerator*



SAP NetWeaver BI Accelerator software based on SAP NetWeaver 2004s

- *Running under 64-bit Novell® SUSE® Linux®*

IBM BladeCenter Chassis H (with redundant HW layout)

- *Ethernet Switch (customer configurable)*
- *Fibre Channel Switch (fix)*

IBM BladeCenter HS21 Blade

- *Dual-Core Intel® Xeon® processors (T-shirt configurations available from 2 - 28 Blades)*
- *Fibre Channel Adapter*

IBM System Storage DS4700

- *I/O through Fibre Channel (separate I/O from network)*
- *Raw Disk Sizes between 0.5 TB to 3.5 TB*
- *RAID setup for performance and High Availability*

IBM General Parallel File System (GPFS)

- *Performance optimized shared file system for Linux Cluster*
- *HA configuration for minimized downtime*

SOLUTION – KEY BENEFITS

- *Dramatic enhancements in BI query response times, empowering information workers to become more effective and productive*
- *SAP NetWeaver BI Accelerator will enable organizations to run endless variations of ad-hoc queries and resolve performance constraints for database intensive queries*
- *Dramatic reduction in administrative effort by reducing aggregate maintenance*
- *Scalable architecture that grows with increasing requirements over time means investment protection and flexibility to react to changing business needs*
- *Pre-tested and optimized solution to ensure seamless integration, easy and quick implementation and stable continuous operation*

TAKING BUSINESS INTELLIGENCE TO THE NEXT LEVEL

For an optimum fit into existing BI environments, IBM offers this solution in a range of "T-shirt sizes", with predefined and validated server and storage configurations. Tools from IBM and SAP - plus expert support if needed - makes selecting the right configuration easy and fast.

IBM Global Technology Services has developed a service package to perform a rapid implementation. Within a short timeframe the full solution can be up and running with no disruption of the production SAP NetWeaver environment. Should you require the solution to be integrated into specific IT processes and systems management tools, IBM specialists and qualified partners are available to help.

Consultants from IBM Global Business Services, the largest SAP software integrator in the industry, as well as leading global and regional consultants and integrators, can further help you extend the value of your SAP solution.

CONTACTS AND MORE INFORMATION

IBM SAP International Competence Center

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Additional Information can be found at:

ibm-sap.com/bia

"IBM provided an easy to install solution that was quick to implement, accelerating our SAP NetWeaver BI performance. This results not only in improved response times but also in reduced effort on data maintenance."

Lieutenant Colonel Jörg Steinhorst,
SASPF project leader, BW/SEM, Bundeswehr





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