

## SAP AND IBM: FLEXIBLE BUSINESS INFRASTRUCTURE

TOP TO BOTTOM

we know

they know

END TO END

*IBM knows information technology infrastructure, open solutions, automation, servers, database management, storage management; and how to pull IT all together, top to bottom. The complex made simpler, faster, more affordable, on a local and global scale.*

*SAP knows sophisticated software solutions for every process across any organization, from end to end. Helping you streamline internally. Optimize processes with suppliers and partners. And add value to customers 24x7x365.*

*Together, IBM and SAP can provide a comprehensive family of adaptive business solutions for any business, in any industry. Deliver virtually unlimited scalability, best-of-breed functionality, integration and easy collaboration over the Internet.*



## **IBM and SAP: An alliance of solutions**



No matter how complex your organization, we can help you build a robust, scalable and “always on” SAP infrastructure—and save money doing it. Whether you’re looking to eliminate inefficiencies or improve relationships with your customers and suppliers, IBM and SAP can help you develop a complete business-ready solution that can be deployed quickly and help you drive down information technology costs.

Utilizing IBM infrastructure and e-business know-how, combined with a package of fully integrated SAP business process applications, our alliance offers a cost-effective IT solution—from hardware to software—that you need to make your company more responsive. More flexible. And more resilient in the face of changing market conditions and customer demands.

mySAP™ Business Suite has a proven track record of helping competitive companies accelerate their businesses. It includes Enterprise Resource Planning (mySAP ERP), Customer Relationship Management (mySAP CRM), Supply Chain Management (mySAP SCM), Product Lifecycle Management (mySAP PLM), human resources and business intelligence. mySAP Business Suite is powered by SAP NetWeaver™, SAP’s open integration and application platform.

But to contain costs, deal with critical shortages of skilled people, and keep up with the demands of your SAP projects, you also need a powerful infrastructure to run your SAP applications.

Let’s take a look at this powerful IBM platform for mySAP Business Suite—comprised of IBM @server BladeCenter™, IBM storage and data management, the open Linux operating system, and automated data protection.

### **Solutions for servers**

With the tight integration of storage, networking, servers and applications, the BladeCenter design is both intelligent and simple. IBM has created an environment to maintain your data center for mission critical, SAP application landscapes, including production, test and quality assurance.

BladeCenter comprises up to 14 servers (blades) in a highly resilient shared infrastructure (chassis) of power, cooling, network and storage switches. BladeCenter’s modular design gathers computing resources into a cost-effective, high-density enclosure that supports hot-swappable, high-performance servers. The result is an effectively managed infrastructure that helps maximize resource productivity and minimize Information Technology (IT) administration costs.

## Open

### Solutions to reduce complexity

BladeCenter's unique design enables the blade servers to share a common infrastructure, and that means reduced complexity, improved manageability and a lower overall cost.

BladeCenter further collapses the IT infrastructure by integrating functions such as Layer 2-7 Ethernet and your Storage Area Network (SAN) fabric into an efficient 7U enclosure that simplifies deployment and management.

What's more, BladeCenter delivers improved space efficiency when compared to most of today's 1U solutions. When you need it, BladeCenter will make adding capacity simple and affordable. For example, its scale-out architecture allows you to add server modules quickly using a "pay as you grow" approach when provisioning or redistributing new SAP workloads.

### Solutions for storage

IBM TotalStorage® offers a comprehensive set of solutions, from storage servers and tape libraries to management software, designed to help you reduce your total IT investment and gain greater efficiency. Attached to BladeCenter via switches or fiber connection, your solution is designed to serve and manage data storage needs of the BladeCenter and SAP applications.

The effort to keep total cost of ownership low begins with the use of standard components designed to run in the SAP environment. This includes cost-effective, scalable and flexible storage, ranging from the affordable IBM TotalStorage FAST200 and FAST600 to the high-performance FAST900 for on demand environments. High availability models feature a fully redundant configuration with dual-active controllers. The FlashCopy® feature can alleviate backup windows, enhancing business readiness with minimal effect on online operations.

### Solutions for openness

The Linux operating system offers power, functionality, high security and reliability for SAP applications and is strongly supported by both IBM and SAP. While the BladeCenter design addresses your most serious issues — i.e., space constraints,

manageability, scalability, capacity, performance, cooling and power — you can also take advantage of the flexibility and proven reliability of Linux. SAP and IBM have leveraged their long-standing relationship to provide certified, validated and optimized BladeCenter, IBM DB2® and TotalStorage® solutions for mySAP Business Suite on Linux.

### Solutions to automate everyday tasks

IBM Director, included with BladeCenter, simplifies and automates everyday IT tasks by allowing you to deploy, configure, manage and maintain blade servers in your BladeCenter from a single graphical console. Advanced management capabilities boost administrator productivity and reduce skill-level requirements, which can help reduce costs, improve overall productivity and make administration easier.



## **Flexible**

### **Solutions for data management**

Database is critical to the overall performance and availability of your complete SAP application. And IBM DB2 UDB® on Linux has everything you need — scalability, high performance and reliability, and all of that backed up with excellent total cost of ownership. DB2 has many new features that greatly enhance your overall system management; for example, its zero-downtime administration functions allow you to reconfigure the database and perform storage management activities, all without taking the database offline.

### **Solution for automated data protection**

Specifically designed and optimized for SAP applications, IBM Tivoli® Storage Manager for ERP provides automated data protection, reduces the CPU performance impact of data backups and restores on the SAP system, and greatly reduces the administrator workload necessary to meet data protection requirements. As the intelligent interface to the database of your SAP system, Tivoli Storage Manager for ERP is SAP certified in the Linux environment, supporting large-volume data backups, data recovery, data cloning and disaster recovery of multiple SAP servers.

### **Successful relationships:**

#### **IBM and SAP**

With more than 8,000 SAP projects completed with customers of all sizes, IBM and our Business Partners can help you derive greater business value from your SAP solutions. From joint development to customer support, IBM and SAP have a track record of successful collaboration.

IBM has pre-tested more than 100 products, components and configurations for all mySAP solutions, including SAP R/3 Enterprise as part of mySAP ERP. Integrated solutions help mitigate risk, and our commitment to openness helps protect your investment.

### **For more information**

To learn more about how the IBM and SAP alliance can help your business, please visit: [ibm-sap.com](http://ibm-sap.com)

To learn more about the IBM and SAP products mentioned in this brochure, please visit:

[ibm.com/servers/eserver/bladecenter/index.html](http://ibm.com/servers/eserver/bladecenter/index.html)

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*We know technology, infrastructure, industries and how to get things done. They know application software. Together, IBM and SAP can boost the competitiveness of your organization while helping to lower the total cost of ownership of your IT systems.*



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