IBM @server xSERIES RUNNING LINUX:
AFFORDABLE INFRASTRUCTURE FOR mySAP BUSINESS SUITE
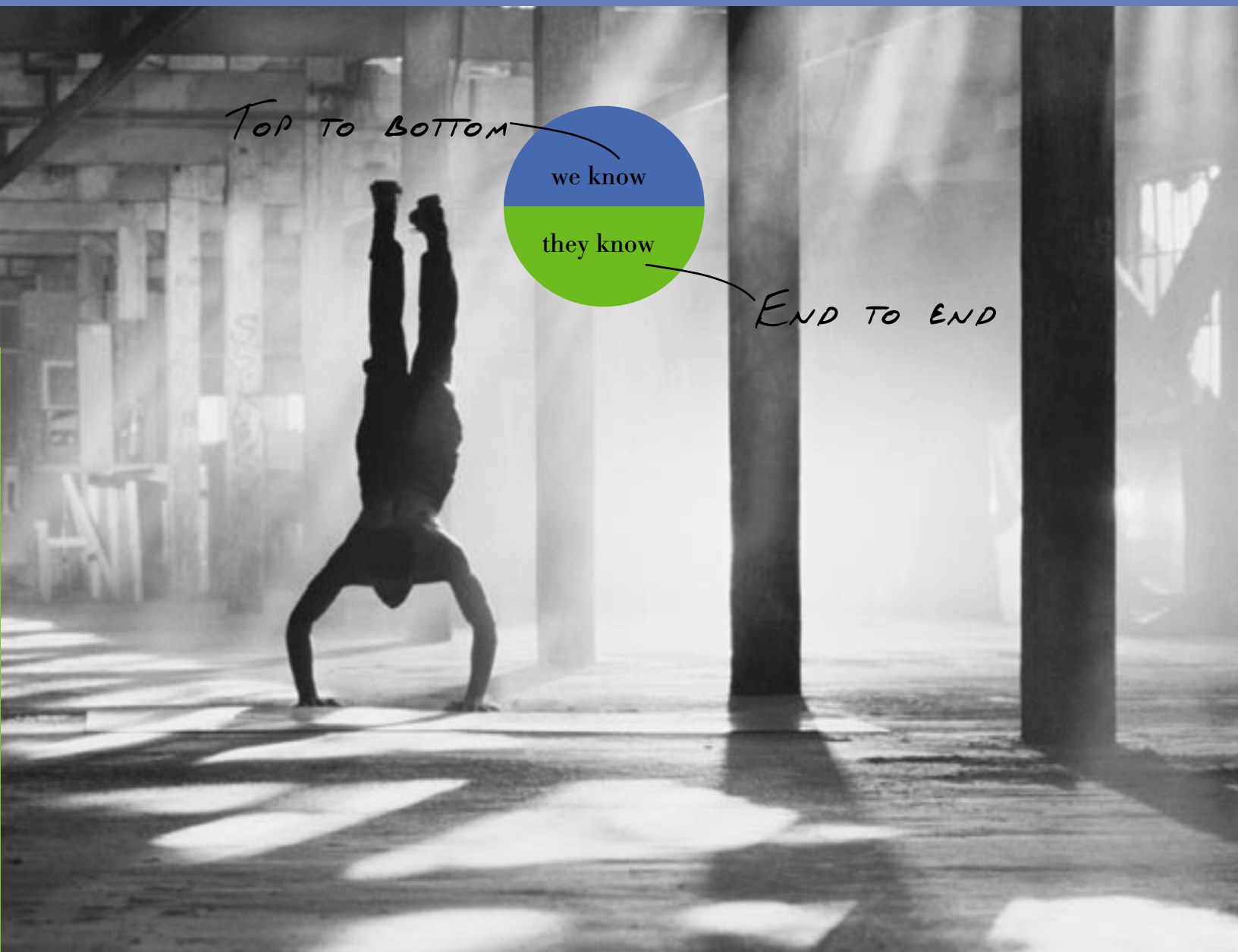
CERTIFIED, ON-DEMAND SOLUTIONS FOR YOUR E-BUSINESS INITIATIVE.

Together, Linux and IBM @server™ xSeries® servers deliver the power, resilience and scalability required to run business-critical SAP® applications. SAP and IBM are taking advantage of this strong combination—leveraging their long-standing relationship to provide certified, validated and optimized IBM xSeries and DB2® solution offerings for mySAP Business Suite on Linux.

The foundation of all mySAP™ Business Suite solutions is SAP NetWeaver™—SAP's new comprehensive integration and application platform. The combination of SAP NetWeaver, Linux and IBM xSeries servers provides a coherent, open and scalable architecture that can handle the complete range of enterprise solutions.

In line with its commitment to open standards and open source solutions, SAP NetWeaver embraces standards such as HTTP, XML and Web services, ensuring openness and interoperability with Microsoft® .NET and J2EE—in particular, IBM WebSphere®—and SAP has defined Linux as one of its development reference platforms for SAP NetWeaver.

Initially adopted by technically oriented UNIX® users for high-performance computing, Linux has gained a well-deserved reputation as a massively scalable and resilient operating system. The result is a rapid increase in commercial applications on Linux. The International Data Corporation (IDC) reports[1] that Linux is the fastest growing platform in the world.

Recognizing the strategic importance of Linux to their customers early on, SAP and IBM have led the industry in providing business solutions on Linux. With Linux now being one of SAP's reference platforms, you can run mySAP Business Suite on Linux for productive use in a mission-critical environment. From SAP R/3 4.6, SAP has supported Linux in its standard delivery. This means SAP was delivering the world's first mission-critical

Business Applications software on Linux. IBM and SAP have been working closely with their Linux distribution partners to bring Linux to the xSeries platform.

SAP and IBM have joined forces to combine the power of mySAP Business Suite, Linux and xSeries servers in business solutions for today's economy.

The benefits are compelling:	
Rapid deployment	With mySAP Business Suite solutions powered by xSeries servers, you can get your enterprise applications up and running quickly and confidently.
Low risk	You can rely on mySAP Business Suite solutions to handle your enterprise application computing needs effectively, reliably, and most of all, securely.
Affordability	A mySAP Business Suite solution running on xSeries servers with Linux provides an affordable platform on which to implement solutions with a substantially lower total cost of ownership than proprietary solutions.
Always-there availability	IBM xSeries servers, with industry-leading subsystem and component fault tolerance coupled with the stability and reliability of the Linux operating system, deliver on the promise of IBM OnForever™ availability.
Flexibility and power	IBM Enterprise X-Architecture™ technology, in combination with Linux, offers unmatched performance, wide configuration flexibility and lasting investment protection.

Certified fast performance

xSeries servers running Linux deliver fast performance for mySAP Business Suite solutions. This has been verified by an SAP Standard Application Benchmark run with the IBM @server x440 and certified by the SAP Benchmark Council.[2]

IBM @server x440

BUILT ON AN UNMATCHED FOUNDATION

A comprehensive e-business platform

mySAP Business Suite is a comprehensive e-business platform that delivers the efficiency, ease of use and interenterprise collaboration you need to take full advantage of the today's economy.

In addition, IBM engineers are conducting extensive testing and support of mySAP Business Suite components on Linux at the SAP Linux Lab, of which IBM is a founding member. The result is a thoroughly tested, highly optimized business platform that delivers fast, efficient performance and unmatched reliability.

IBM has extensive software and services offerings that complement and extend the mySAP Business Suite platform. Having a long-lasting experience in SAP technology, IBM provides complementary solutions and offerings—extending the reach, integration and manageability of your SAP environment.

In addition, as an SAP Global Partner IBM offers a broad array of consulting and services for implementing, extending and operating mySAP Business Suite solutions. More than 11,000 IBM SAP experts and 136,000 technical specialists are available worldwide to support your global implementations.

Powered by xSeries servers

Based on IBM Enterprise X-Architecture technology, xSeries servers bring unprecedented mainframe-inspired performance and availability to cost-effective Intel® processor-based servers. The foundation of Enterprise X-Architecture—the IBM XA-32 and XA-64 families of chipsets—provide unparalleled scalability and performance for both 32-bit and 64-bit xSeries servers behind mySAP Business Suite solutions. There is 80%

commonality between the XA-32 and XA-64 chipset designs. As a result, you can deploy 64-bit SAP Linux solutions on xSeries servers with confidence, knowing that the design has been perfected in the current 32-bit chipset used in the industry-leading IBM @server x440.

When your Linux mySAP solution requires external transaction application servers, you should consider the IBM @server BladeCenter™ populated with powerful 32-bit, 2-way Intel Xeon™ blade servers. BladeCenter delivers a highly modular design that shares computing resources to create a cost-effective, high-density, efficient server environment. The resulting business benefits are compelling and include simplified management, fast installation, modular scalability and high availability. BladeCenter and the x440 combine to give you exactly what you need for your complete SAP solution.

IBM is cultivating relationships with Red Hat and with UnitedLinux development members Conectiva, SuSE Linux AG and Turbolinux to bring industry-leading Linux distributions to xSeries servers. In parallel, IBM is announcing broad support for Linux versions of IBM software (WebSphere, DB2 and Tivoli®), and publishing an online Linux installation guide for xSeries servers through the IBM International Technical Support Organization (ITSO).

IBM Director systems management software delivers unmatched system management support for Linux environments. This support, combined with the advanced management features built into xSeries servers, enables proactive and predictive management to help reduce the incidence and duration of downtime. The result is greater return on availability for lower total cost of ownership.

With xSeries servers, you can implement your entire mySAP Business Suite solution on a single type of server, greatly simplifying management and administration.

GETTING RAVE REVIEWS

Several IBM customers have implemented xSeries servers running Linux and SAP and are already reaping the benefits. Here are some examples:

Grohe

Grohe is a leading supplier of water technology solutions in Germany and Europe, and is the largest exporter of bathroom fittings in the world. Several years ago, Grohe introduced SAP R/3 at several of its key affiliates. By 2001, seven European subsidiaries were using SAP R/3 and IBM DB2 Universal Database™ running on IBM AIX® and UNIX servers.

Under its enterprise computing consolidation initiative, the company is in the process of replacing legacy systems with a common, centralized enterprise resource planning (ERP) landscape. An integral component in this effort is the company's mobile sales application. For this platform, Grohe has implemented a solution based on the mobile sales functionality of mySAP Customer Relationship Management (mySAP CRM) running on xSeries servers under the Linux operating system.

> **"Linux offers far-reaching advantages in cost and performance, and we are impressed with IBM's clear commitment to maximize those advantages for its customers. The alliance between IBM and SAP is unique in the industry. It enables us to benefit from SAP's powerful enterprise software, as well as from IBM's global market presence and proven data management and hardware solutions."**
>
> *—Bernd Morlock, computer scientist for SAP System Platforms, Grohe AG & Co. KG*

Element-System Rudolf Bohnacker

Element-System Rudolf Bohnacker GmbH, founded in 1954, manufactures metal wall-rails and supports that are linked together by a plug-in system. These flexible modules enable the company's consumer and retail store customers to create an unlimited variety of shelf shapes and sizes. The shelf system is available in over 50 countries worldwide including the United States. The company has 570 employees and generated revenues of DM 90 million in 2001 with 70% of its revenues coming from overseas markets.

In 1999, Element-System Rudolf Bohnacker completely reorganized its business processes. As a result, the existing ERP system was no longer adequate to meet the new corporate objectives. The company decided to replace its current ERP system with SAP R/3 running on two xSeries servers—one for production and the other for testing. The company plans to connect these two servers to a Storage Area Network (SAN) with five additional servers.

After a long history of Microsoft Windows NT®, Element-System Rudolf Bohnacker is now migrating to Linux. The Lotus® Domino™ server that provides connection to the Internet, and the file and proxy server that accesses the company's information technology (IT) landscape are both running under Linux. The file and proxy server is an xSeries server.

> **"With Linux, we are opening up all possibilities: the simple administration, and the stability and scalability has convinced everyone. These features are best exploited on the xSeries servers. That's the reason for our goal: a server IT landscape running entirely under Linux on xSeries servers."**
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> *—Thomas Grimm, Element-System Rudolf Bohnacker GmbH financial and accounting manager, and project manager*

IBM @server **x255**

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Recognizing the strategic importance of Linux to their customers early on, SAP and IBM have led the industry in providing business solutions on Linux. A mySAP Business Suite solution running on xSeries servers with Linux provides an affordable infrastructure on which to implement solutions with a substantially lower total cost of ownership than proprietary solutions.

IBM

Find out how IBM and SAP can help you create a Linux-based xSeries solution that meets your e-business needs today and helps you grow into the future.

For more information:

IBM @server xSeries
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