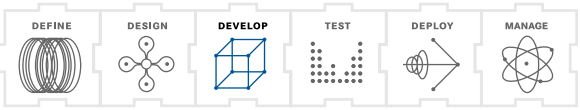


Case Study

SAP selects Borland® JBuilder® as its preferred

# BORLAND ACCELERATES SUCCESS

internal and external Java™ development environment

As the world's leading supplier of e-business software solutions, SAP AG has the expertise and experience to know what works when it comes to application development software. That's the reason SAP selected Borland® JBuilder® as its preferred Java™ development environment for both internal and customer use applications.

## Executive Summary

JBuilder will be an essential building block as SAP expands the reach of its open, standards-based "mySAP" platform, the company's collaborative e-business architecture. With JBuilder, SAP not only will be able to improve the quality and time-to-market delivery of its own applications, but it also will provide an open, extensible environment for end-user customization.

"Borland has emerged as the recognized leader in Java development environments," says Karl-Heinz Hess, a member of the extended executive board at SAP. "SAP will benefit from the open and scalable JBuilder development environment, and we will be able to offer our customers the leading Java development environment."

## Business Challenge

With more than 13,000 customers, ranging in size from the largest multinational corporations to medium-sized businesses, SAP is at the forefront of business application development. To maintain that leadership position, retain current customers, and attract new ones, SAP needed to integrate its existing R/3-based systems with future-proof, open, and standards-based technologies.

The company's central strategy for the e-business marketplace is its mySAP platform. The mySAP platform provides an open architecture for applications managing core business concerns such as workplace integration, supply-chain management, customer relationship management, product life cycle management, and human resources tasks, to name a few. The mySAP applications are built upon a technological foundation of XML, HTML, HTTP, and Simple Object Access Protocol (SOAP) standards that allow collaboration across the Internet with customers, suppliers, and other partners.

To better expand its e-business offerings, SAP had to answer two questions: how could the company deliver more applications, more rapidly, and how could it do that while giving its own customers a flexible, open platform for end-user customization? The answer to both? A Java-based integrated development environment, or IDE.

## FAST FACTS

### BUSINESS CHALLENGE

Enterprise software leader SAP AG needs a fast, open, and robust development environment to speed internal application delivery while also giving customers the option to customize.

### SOLUTION

SAP chooses Borland JBuilder as its preferred internal development platform and as the platform of choice for its customers.

### RESULTS

SAP AG is able to drastically reduce the amount of time needed to produce internal applications while also allowing customers to integrate SAP-specific applications with custom Java-based applications – even Java applications from other vendors. SAP also is able to attract new customers by giving them a familiar environment, Java, in which to interface with SAP applications.

Borland®
Excellence Endures™

"Borland has emerged as the recognized leader in Java development environments. We are very pleased to offer these increased benefits to our customers through SAP's support for JBuilder."

Karl-Heinz Hess, Member of the Extended Executive Board, SAP AG

Choosing Java was simple: it is a platform-independent open standard, thereby maintaining multiplatform support. With Java, SAP and its customers are able to combine R/3, mySAP, and the customers' own custom applications in a single, unified architecture.

"Our current and prospective customers think of Java as an open technology based on standards," says Karsten Schmidt, development architect at SAP. "Java is well suited for building the applications customers need, which can be easily connected with Java applications from other vendors."

To accelerate the mySAP strategy, the Java IDE had to fulfill some critical requirements outlined by the SAP software architects. First and foremost, the IDE needed to be open and widely accepted by the Java programming community. It also needed to support several critical technical features, including remote debugging, that would satisfy the exacting needs of the cutting-edge customers of SAP.

After evaluating all leading IDEs, Borland JBuilder emerged as the clear leader.

## Solution

Schmidt says SAP chose JBuilder because of its following attributes:

- support for easy switching of Java development kits (JDK®)
- extensibility and compatibility with the Open Tools API (especially important for SAP-specific add-ons)
- rich set of features, including remote debugging, J2EE™ platform support, code-navigation tools, and wizard support
- file-system technology, as opposed to the less efficient repository-based technology

The file system technology makes life easier for developers, Schmidt says, as it eliminates the need for construction and maintenance of the metadata files used by repositories.

"With JBuilder, any source file can be added to a project, and you will never have a mismatch between source and metadata," he says. "And the integration of external libraries is easy."

## Results

With 1,000 engineers poised to employ JBuilder in both Microsoft® Windows® NT/Windows 2000 and Sun® Solaris™ environments, SAP will use JBuilder to increase its internal productivity, both for building new applications and for integrating existing SAP applications into new environments.

"In one specific example, JBuilder allows us to integrate tools that support SAP-specific functionality by generating Java code," Schmidt says. "Each developer could manually write this coding, but it would take a lot of time."

The existence of widespread, worldwide Java expertise will also allow SAP to tap into the base of developers and customers who haven't used the company's products before, giving them a familiar starting point.

"We expect an increase in internal productivity from our use of JBuilder," Schmidt predicts. "In addition, with JBuilder, our customers appreciate a comfortable environment to do their own modifications."

**Borland**®
Excellence Endures™

100 Enterprise Way
Scotts Valley, California 95066-3249
Tel. 831-431-1000 **www.borland.com**