



WebSphere® software

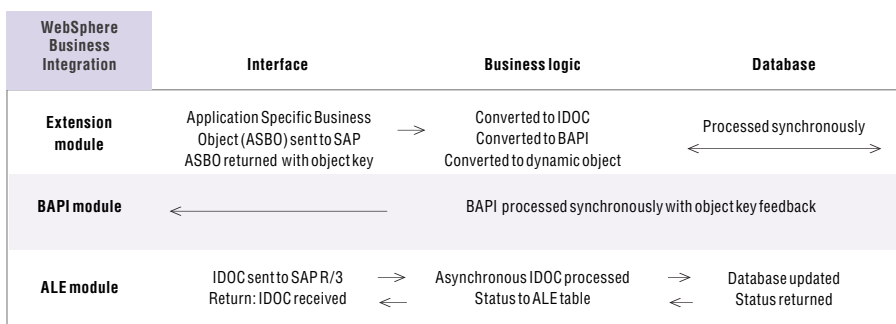
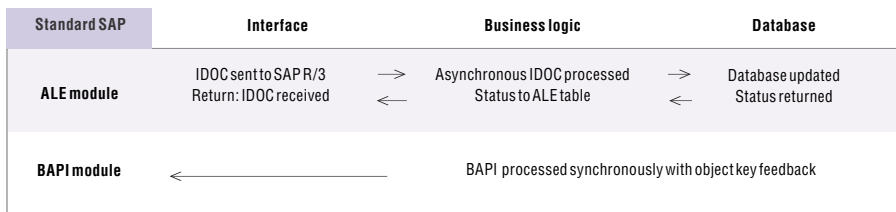
# IBM WebSphere Business Integration Adapter for mySAP.com

## Highlights

- Provides practically out-of-the-box access to SAP applications for quickly implemented, bidirectional and event-driven integration
- Provides the same prebuilt, product-based integration to custom-built SAP R/3 extensions as to standard SAP R/3 implementations
- Contains sophisticated tools that allow users to custom-build components
- Limits disruption to integrated applications if SAP R/3 should require upgrades
- Supports the most common SAP integration options

## Integrate SAP R/3 with legacy applications quickly and easily

Companies select SAP R/3 to reap the benefits of automated business processes with a suite of interoperable, enterprise applications that support various corporate functions. Once implemented, SAP R/3 serves as a foundation for e-business by automating internal business processes enterprisewide. And supporting business-to-business (B2B) initiatives when companies extend these internal processes out to partners and customers for further efficiencies and cost savings.



IBM WebSphere Business Integration Adapter for mySAP.com offers more integration options than the typical SAP adapter.

The challenge of implementing SAP R/3 is to integrate it with existing IT investments. Many companies have legacy systems containing valuable customer data that cannot be discarded. Some companies select best-of-breed applications for specific functions, such as sales force automation or manufacturing. These applications need to be linked to the enterprise processes running on SAP R/3.

The ability to integrate SAP R/3 with existing systems helps companies get the most out of their IT investments and support their business strategies. IBM WebSphere® Business Integration Adapter for mySAP.com lets you quickly and easily link your legacy systems with your SAP R/3 implementation — integrating business information and streamlining transactions with other enterprise systems. And, over time, using WebSphere Business Integration Adapter for mySAP.com can help you avoid having to rebuild connections that are integrated with SAP R/3 every time you make updates to your IT system. The adapter is reusable for upgrades to SAP R/3. The WebSphere Business Integration architecture uses adapters to isolate applications from each other in integration to protect them from each other's changes. Helping preserve the integrity of your applications.

### **Solve common SAP R/3 integration challenges**

The WebSphere Business Integration Adapter for mySAP.com overcomes many common challenges that arise when integrating applications to SAP R/3. Most solutions are custom-coded and have to be implemented by systems integrators. The WebSphere Business Integration Adapter for mySAP.com meets the challenges of SAP R/3 integration faster and better than existing alternatives because it can be used practically out of the box. Providing immediate access to data. Product-based and business-process-focused, it helps leverage the full potential of SAP R/3 across the enterprise by linking the database to other applications. Facilitating communication between applications.

### **Take advantage of the freedom to choose**

The WebSphere Business Integration Adapter for mySAP.com has modules that support several common integration techniques for SAP R/3. Giving each administrator the freedom to choose a preferred integration approach. Your IT department can integrate SAP R/3 with your existing systems based on your needs. And with IBM, you won't have to hire a team of specialists to perform the integration. It's simple enough that your IT team can integrate it.

WebSphere Business Integration Adapter for mySAP.com comes with sophisticated tools, such as the IBM CrossWorlds® suite of tools. These tools allow you to custom-build components that meet your specific integration needs. Empowering you to easily and quickly customize your business processes to meet the requirements of each organization or department within your company.

### **Minimize project duration**

The adapter framework architecture and GUI-based tools represent a significant amount of development work already completed. The result is a practically out-of-the-box solution, enabling you to spend only the time you need to modify applications to the specifications of your projects.

WebSphere Business Integration Adapter for mySAP.com provides highly functional connectivity and valuable administration and monitoring functions. Like supporting all of the various SAP R/3 interfaces. And offering bidirectional, realtime integration between SAP R/3 and other systems, including e-commerce, customer relationship management, supply chain management, enterprise resource planning, and custom and legacy applications. WebSphere Business Integration Adapter for mySAP.com consists of the connector adapter infrastructure, enhanced development modules—like ALE, Business Application Programming Interface (BAPI) and call transactions—and toolkits to build custom components. The adapter is also

capable of enhancing SAP R/3 event sequencing through the use of the CrossWorlds event table, which can order events separately, as well as events associated with multiple threads of integration (ALE, BAPI and call transactions).

Features of IBM WebSphere Business Integration Adapter for mySAP.com and their benefits include:

- *Java™ and Advanced Business Application Programming (ABAP) languages*
- *An object discovery tool that allows realtime access to customer data in SAP applications*
- *Easy reuse of objects developed for one integration project in subsequent projects*
- *Simplified migration from development to testing to production environments*
- *More SAP application program interfaces (APIs) exposed for integration because of the variety of integration choices available*
- *Clear distinctions between WebSphere Business Integration and SAP components, to facilitate deployment*

WebSphere Business Integration Adapter for mySAP.com includes the following modules.

*The extension module:*

- *Supports request and reply, and publish and subscribe object-retrieval models*
- *Notifies the receiving application or party of the success and status of object transaction requests*
- *Returns a unique ID of created objects*
- *Responds in realtime to requests, including retrieval of complex objects and create, change or delete commands*
- *Supports all of the various SAP R/3 interfaces, including ALE, BAPI and call transactions*

*The Request for Comments (RFC) server module:*

- *Supports synchronous calls to the adapter agent for SAP systems like Business-to-Business Procurement (BBP), requiring realtime access for handling requests*
- *Is multithreaded for scalability, with a new, noninvasive object-generation tool for development*

*The BAPI module:*

- *Allows the adapter to call BAPIs directly, without routing through the ABAP extension infrastructure, improving performance*
- *Includes a new, noninvasive object-generation tool to create definitions with BAPI metadata*

*The ALE module:*

- *Allows the adapter to send intermediate documents (IDOCs) into SAP R/3 for processing by ALE*
- *Supports asynchronous integration, which is ideal for batch-oriented objects, and supports consume operations*

### **Business integration building blocks**

With the IBM WebSphere family, you can combine business integration products and solutions selectively, or build one upon the other to help integrate business processes within and across enterprises. WebSphere Business Integration adapters are part of the IBM WebSphere software platform for e-business—a set of integrated, award-winning e-business solutions. No matter where you are in the e-business cycle, the WebSphere software platform can allow you to grow—at the speed the market demands. Building on this robust platform, you can connect diverse IT environments to maximize your current investments and leverage existing skills with a full range of business integration solutions from the IBM WebSphere family of products.

### **The WebSphere Business Integration family of products**

As part of the WebSphere software platform for e-business, the WebSphere Business Integration family of products offers a business integration solution that can help keep your company flexible and efficient.

WebSphere business integration builds on WebSphere e-business infrastructure software to help you develop, deploy, integrate and automate your e-business applications by:

- *Optimizing and automating e-business processes in tandem with enterprise processes*
- *Providing a variety of e-business tools to simplify integration*
- *Supporting most Internet-based trading standards smoothly, without additional coding*
- *Enabling application-to-application and browser-based integration*

From linking applications or systems to integrating and streamlining business processes, WebSphere Business Integration software can help you achieve your current and future business goals.

### **For more information**

To learn more about how IBM WebSphere Business Integration for mySAP.com can help your e-business, visit [ibm.com/websphere/adapters](http://ibm.com/websphere/adapters). Or contact Worldwide Business Integration Sales at 888 685-0947, or send an e-mail to [bisales@us.ibm.com](mailto:bisales@us.ibm.com).



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## IBM WebSphere Business Integration for mySAP.com at a glance

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### Hardware requirements

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#### *Microsoft® Windows® environment*

- 400MHz processor or faster
- 512MB RAM or higher
- 900MB available disk space

#### *Sun Solaris operating environment*

- 300MHz UltraSPARC-II module processor
  - 512MB RAM or higher
  - 900MB available disk space
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### Software requirements

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#### *Windows environment*

- Windows 2000 Professional with Service Pack 2; Windows 2000 Server with Service Pack 2; or Windows 2000 Advanced Server with Service Pack 2
- Microsoft Windows NT®, Version 4.0, Enterprise Edition with Service Pack 6A
- Windows NT, Version 4.0 with Service Pack 6A

#### *Solaris operating environment*

- Solaris 8, Version 2.8 or Solaris 7, Version 2.7

#### *Supported SAP R/3 Versions*

- SAP R/3, Versions 3.0, 3.1, 4.0, 4.5 and 4.6
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### Databases

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#### *Windows environment*

- IBM DB2®, Version 7.2 with Service Pack 4
- Oracle database, Version 8.1.7 or 8.1.6
- Microsoft SQL Server, Version 7.0 with Service Pack 3
- SQL Server 2000 with Service Pack 1 on Windows 2000

#### *Solaris operating environment*

- DB2, Version 7.2 with Service Pack 4
  - Oracle database, Version 8.1.7 or 8.1.6
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