IBM

WebSphere® software

IBM WebSphere Business Integration Adapter for Oracle Applications

Highlights

■ *Provides practically out-of-the-box access to Oracle applications to make integration faster and easier*

■ *Eases the long-term management of integration infrastructure by making integrated business processes application-independent*

■ *Provides bidirectional and realtime integration to Oracle applications*

■ *Contains an object discovery tool that allows realtime access to customer data in Oracle applications*

Liberate your legacy systems and trading partner data

Technology provides the opportunity to simplify and create efficiencies for your business operations and processes — within internal departments and between your trading partners. But a simple solution doesn't always have a simple and straightforward path.

The Internet and e-business have brought great change and pressures to bear on your information systems. A single Web transaction, for example, can trigger activities throughout your enterprise — coordinating trading partners in your supply chain, packing and shipping a product to a customer or automating payment transactions based on product consumption. The number of data connections into and between your computer systems has grown immensely in a short period of time.

New best-of-breed applications that manage trading partner relationships and the extended supply chain are critical to your business transactions. But so are your legacy and custom applications, where crucial customer and product data may remain trapped and inaccessible if not freed for use by your other critical data systems.

To extend your e-business initiatives — including realtime collaboration with both trading partners and customers — you need to extend your corporate information. You need to access, consolidate and manage information from distributed applications and sources. And you need to accomplish this in a cohesive fashion — in realtime — across the entire enterprise.

With IBM WebSphere® Business Integration adapters, you can get quick and easy access to many of your packaged and legacy applications, databases, trading partner systems and public information housed on the Web. And there's no need to rebuild interfaces each time you update your best-of-breed applications. Users can share information and extend application function to trading partners and customers.

Integrate your e-business with the enterprise

IBM offers a comprehensive suite of business integration products — comprising a robust integration infrastructure — including technology connectivity, prebuilt business process modules and related software tools for custom and legacy integration. These solutions enable a unified business process integration approach with your internal systems, as well as with trading partners, over the Internet.

The patented Isolation Layer architecture from IBM comprises common business objects that isolate business processes from specific applications. You gain flexibility to add new applications, upgrade existing applications and change or add new business processes to your integrated environment. Without having to rewrite your existing applications or lose your investments of money and time.

Prebuilt business process integration modules — such as customer, item and sales orders modules — automate business integration across multiple modules. These prebuilt modules greatly speed integration to help you get to market faster and can reduce development costs.

The WebSphere Business Integration Adapter for Oracle Applications and related tools support realtime, flexible, bidirectional integration of Oracle applications with the rest of your e-business and enterprise applications.

WebSphere enables you to go beyond surface-level integration, to permit flexible configurations and ensure end-to-end process and data integrity.

WebSphere Business Integration adapters support business event-level connectivity, which allows you to extend business process management into each application. Adapters also provide extensive function and communication with event detection, full application program interface (API) support, asynchronous and synchronous messaging and transaction support. The synchronous CORBA-based remote invocation mechanism allows you to connect customers and trading partners to your systems and applications through browser-based interactions.

You have the flexibility to tailor your implementations to your desired integration levels, and even accommodate the specific modifications that you had to make to your packaged applications so they would support your unique business needs.

Maximize your Oracle investment

The comprehensive e-business support offered by the IBM architecture helps you maximize the return on investment from your Oracle applications. By smoothly integrating Oracle with the rest of your enterprise — including any and all e-business initiatives — you can automate business processes throughout your e-business, within your back-office environment, with trading partners and in other aspects of your participation in the marketplace.

The IBM architecture and WebSphere Business Integration adapters leverage processes and business logic you've already developed and implemented in your Oracle applications. And as e-business imperatives accelerate your need to upgrade applications in other areas of your enterprise, you can limit the impact on your Oracle backbone. IBM's unified, enterprise architecture affords unprecedented modularity and flexibility so you can rapidly adapt to business changes.

IBM provides support for multiple data formats — XML, electronic data interchange (EDI), RosettaNet, application-specific and vertical market-specific text files and HTML . And communications mechanisms — HTTP, HTTPs and CORBA. Which means that you can automate e-business connections with a large number of trading partners, regardless of specific technology decisions made by you or your trading partners.

Build on a firm foundation

The WebSphere Business Integration solution is a comprehensive business integration platform comprising packaged business process templates (collaborations). Business objects to support the most common business processes. Prebuilt connectivity to leading applications. And a robust tool set to integrate custom and legacy systems as well as extend and customize business processes. The WebSphere solution features a patented, enterprise-class integration architecture to support a broad range of e-business requirements — scalability, reliability, security-rich features and manageability. IBM CrossWorlds® InterChange Server, based on Java™ technology, appears the same across different versions of an application so underlying applications can be upgraded, added or removed without affecting cross-application business processes.

WebSphere Business Integration Adapter for Oracle Applications is part of the WebSphere software platform—a comprehensive set of integrated, award-winning e-business solutions. No matter where you are in the e-business cycle, the WebSphere software platform can help you grow — at the speed the market demands. Building on this robust platform, you can connect diverse IT environments to help maximize your current investments and leverage existing skills. Deliver your core business applications to the Web using industry standards like Java technology and XML. And create next-generation applications that differentiate you from the competition.

For more information

To learn more about IBM WebSphere Business Integration Adapter for Oracle Applications, visit **ibm.com**/websphere/adapters. Or, contact Worldwide Business Integration Sales at 888 685-0947, or send an e-mail to bisales@us.ibm.com.

IBM WebSphere Business Integration Adapter for Oracle Applications benefits

Technology	Benefits
Oracle connectivity	• Realtime bidirectional connectivity, supporting all current Oracle modules • Oracle interface tables supported • Metadata-driven adapter that makes it easy to build new objects and configure a prebuilt solution to meet your customized needs • Business Object Generator to quickly create new business objects for integration • Prebuilt event management to meet your integration needs
Prebuilt business process integration modules	• Unified master data across all applications • Modules that span sales, purchasing, supply chain, inventory and financial management processes • Error handling and compensation • Intelligent routing and filtering
Comprehensive process integration tool set	• Unified Modeling Language (UML)-based process designer that is easy to use and graphical, with no coding required • Connector development tools for building connectivity to new applications and comprehensive technology connectivity support for quick start • GUI-mapping tool for data transformation that leverages object definitions • Existing investments in IT infrastructure and legacy systems leveraged • Relationship designer for maintaining data integrity across applications and relationship among objects

IBM WebSphere Business Integration Adapter for Oracle Applications at a glance

IBM®

Hardware requirements

Microsoft® Windows® environment
- Processor at 400MHz or faster
- Minimum 512MB of RAM
- 900MB of available disk space

IBM AIX® environment
- 300MHz CPU IBM RS/6000® or equivalent
- Minimum 512MB of RAM
- 900MB of available disk space

Sun Solaris operating environment
- 300MHz UltraSPARC-II module processor
- Minimum 512MB of RAM
- 900MB of available disk space

Software requirements

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

IBM AIX environment
- IBM AIX, Version 4.3.3

Sun Solaris operating environment
- Sun Solaris 8, Version 2.8 or Sun Solaris 7, Version 2.7

Databases

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

IBM AIX 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

Sun Solaris operating environment
- IBM DB2, Version 7.2 with Service Pack 4
- Oracle database, Version 8.1.7 or 8.1.6