WebSphere® software

Unlocking the value of your business investments.

Make integration easier while reducing costs

In today's volatile economic climate, a successful business must be flexible and reliable. Customer-focused, yet reduce costs. Collaborative while offering security-rich functionality. And connected without being constrained. The IBM WebSphere® software platform for e-business can help you achieve these goals. And e-business infrastructure and integration technology are your catalysts.

As an industry-leading e-business platform, WebSphere software provides a robust infrastructure with support for open industry standards together with broad business integration capabilities. With this announcement, the WebSphere software platform raises the bar once again by delivering enhancements that make integration even easier.

Unlocking information

When you apply information technology to improve your business, the result often means a collection of independent systems, each addressing the needs of one aspect of the business. Unfortunately, real business operations aren't so neatly compartmentalized. How do you connect IT systems so that information flows smoothly without costly, time-consuming, sometimes error-prone human involvement?

Building reliable links that are flexible enough to accommodate frequent changes to systems and business requirements can be expensive. But not with IBM WebSphere MQ, the de facto standard in messaging software. WebSphere MQ messaging software can connect applications through a simple programming interface or noninvasive adapters on more than 35 platforms—across all major networking systems—and help you keep costs down. And with this announcement, WebSphere MQ features enhanced support for open industry standards, like Java™ Message Service (JMS) and improved integration with IBM WebSphere Application Server. With WebSphere MQ, systems can operate independently, regardless of the platform you're working

from, with assured information delivery. The newest version, WebSphere MQ, Version 5.3, adds new features, including message encryption through Secure Sockets Layer (SSL) for extra security, enhanced performance and further exploitation of IBM @server zSeries™ hardware features. Work gets done, even if there's a problem with one of the queue managers or machines. Because of its reliability and robustness, WebSphere MQ is used in mission-critical solutions across all industries today, yet prices start from only US$4,000 per server.

With IBM WebSphere MQ brokers, you can easily grow your integration solution to accommodate potentially thousands of connected systems—reaching across the Internet and to wireless and telemetry devices. IBM WebSphere MQ Event Broker can distribute messages to applications that can elect to receive certain message topics or content. Your system can conserve network bandwidth as a result, and the broker exerts centralized and granular control over dissemination of information to only authorized recipients. IBM WebSphere MQ Integrator Broker allows your business to evolve easily from point-to-point messaging to gain the benefits of routing and content transformation provided by IBM WebSphere MQ Integrator. It meets the basic integration needs of a midsize business and can scale to support the more demanding needs of a global enterprise. You can upgrade or replace a single application without affecting any others by reconfiguring the broker. And WebSphere adapters simplify the connection of WebSphere MQ brokers to popular packed applications. WebSphere MQ brokers provide a solution that is more cost-effective, scalable and flexible than one you could build yourself.

IBM WebSphere Data Interchange can handle the specific requirements of Electronic Data Interchange (EDI) message formats. WebSphere Data Interchange complements the WebSphere MQ and IBM CrossWorlds® families of products to add the capabilities of current EDI standards, XML and user-defined formats. Take advantage of new, more cost-effective approaches to EDI, like EDI-Internet (EDI-INT), by linking your existing EDI-enabled applications into new solutions.

Optimize business efficiency

With greater access to information within applications comes the opportunity to change the way your IT systems support your business. By capturing business processes—the sequences of actions that applications and people perform—and by using WebSphere software to help you take control of those processes, your business can become more efficient and agile. With a dynamic WebSphere MQ e-business solution, you can update processes without having to change the resources you use today.

CrossWorlds technology provides process integration solutions designed to synchronize applications so they can work together effectively—and bring a new way of working to your business. Enhancements to CrossWorlds featured in this announcement include discovery and integration tools that allow your business processes to work with Web services. IBM CrossWorlds Collaborations are available off the shelf for many of the standard processes in multiple industries, and provide proven, low-risk implementations. And IBM CrossWorlds Connector and IBM WebSphere Adapter software makes connecting to application packages even easier.

For complex business processes involving human intervention and for automating work performed by applications, IBM MQSeries® Workflow can handle organizational models that define the way people work. With teams of peers, and lists of reviewers and managers responsible for escalations and

exceptions. MQSeries Workflow provides several styles of worklist management to help your employees and those of your trading partners. For example, MQSeries Workflow can automatically generate a browser-based interface (for forms, alert items or instructions) for a workflow. And MQSeries Workflow can take advantage of new technologies—like Web services—to automatically discover and invoke services.

The IBM WebSphere Business Integration offering provides a comprehensive integration solution that brings together the features, functions and benefits of market-leading IBM integration software. The WebSphere Business Integration offering delivers the power of WebSphere MQ Integrator Broker, the process integration of CrossWorlds and the organization flexibility of MQSeries Workflow—all in a single product.

To integrate your systems with those of your trading partners, IBM CrossWorlds Trading Partner Interchange acts as a gateway to handle common business-to-business (B2B) communication protocols, like EDI, Web services and industry-specific protocols. CrossWorlds Trading Partner Interchange can streamline your supply chain by linking the exchange of business events and data with trading partners into the internal processes of your organization. Creating potential for significant savings in time and money for everyone along your value chain.

And when you need to design processes that involve people and applications, with IBM Business Partner HOLOSOFX Business Process Management Workbench, your business managers and analysts can easily model, simulate and optimize their processes based on cost and capacity factors. Processes can then be simply deployed with MQSeries Workflow. Business activity-monitoring information captured using MQSeries Workflow can be fed back to the HOLOSOFX Business Monitoring Dashboard. Then, based on the business manager's analysis, vital business information can be displayed so that the appropriate parties can take action. You can use this realtime information to compare the results obtained during the process-model simulation to identify opportunities to further optimize the way your business operates.

By using WebSphere software to optimize your business processes, you can significantly improve your business results. Automate to help lower costs and decrease errors. Increase employee productivity by taking away unnecessary work. Improve customer service by simplifying data entry. And eliminate the chance for error as critical information passes through all the systems the first time.

Integration without boundaries

Despite some vendor claims, integration does not come in only one or two flavors. Integration applies as much to the database and the user interface as it does to legacy systems and new systems—internal and external to your organization. Fortunately, one vendor can address all of your requirements—IBM.

With application and data management products from IBM, you have an end-to-end solution—one source for all your integration needs. WebSphere portal offerings allow you to create a single interaction point for users that's personalized to meet their specific preferences and privileges. And IBM WebSphere MQ Everyplace™ helps you bring reliable connections to fragile communications environments. So you can easily exploit new channels, like the Web or wireless devices. And services, like collaboration. So you can offer your customers value in cost-effectiveness and enhanced functionality.

Enhancements to IBM WebSphere Application Server and IBM WebSphere Studio can help reduce the complexity and cost of developing integration-enabled applications. New features include native support for WebSphere MQ messaging. Comprehensive support for Web services. And visual tools to define business logic built from existing systems, Web services and Java 2 Platform, Enterprise Edition (J2EE) components. Combine these features to make building applications for integration even easier. IBM data management products support information integration by bringing together structured and unstructured data across multiple data sources. Consolidate and mine data so that you can analyze and exploit the information to meet your business goals. You can get to business-critical information through a variety of avenues, whenever you need it.

For more information

To get details of the latest announcement about streamlining the integration of your e-business processes, visit:

ibm.com/software/integration/1h02announce

Summary of enhancements to WebSphere software platform business integration products in this announcement

IBM product		Benefits		Enhancements
IBM WebSphere MQ, Version 5.3 (IBM AIX®, HP-UX, IBM @server iSeries™, Linux® for Intel®, Linux for @server zSeries, Sun Solaris operating environment, Microsoft® Windows NT® and Windows® 2000) *See note 1 under Statements of Direction.*		Connects applications to other applications running on more than 35 platforms		• Added security using SSL • Enhanced performance, especially with Java Message Service (JMS) • Features that harmonize distributed platforms with IBM WebSphere MQ for z/OS®
WebSphere MQ for z/OS, Version 5.3		Connects applications to other applications running on more than 35 platforms		• Persistent shared-queue messages • Channel security with SSL across all WebSphere MQ, Version 5.3 queue managers and clients • WebSphere MQ classes for Java and MQSeries classes for JMS as a no-charge installable feature
IBM WebSphere MQ Everyplace™ for Multiplatforms, Version 2.0 *(Preview announcement)*		Provides secure and dependable messaging for mobile devices and retail systems		• Native support for PocketPC • Enhanced Java support includes JMS • Java 2 Platform, Micro Edition (J2ME) support, offering Java on more platforms
IBM WebSphere Data Interchange for Multiplatforms, Version 3.1 (AIX, Windows 2000)		Provides data translation and transaction management for EDI		• Integration with WebSphere MQ Integrator and CrossWorlds InterChange Server • Easy installation with a copy of WebSphere MQ and an administrative database • GUI to provide easy administration
IBM WebSphere MQ Event Broker, Version 2.1 (AIX, HP-UX, Sun Solaris operating environment, Windows NT, Windows 2000) *Note: This product replaces "WebSphere MQ Publish and Subscribe Edition", the subject of a preview announcement in November 2001.*		Provides highly optimized, realtime event-integration through publish and subscribe functionality		• Realtime alerts integrate with telemetry and mobile technologies • Internet protocol transports in addition to those in WebSphere MQ Integrator • Product extension to extend Internet support
IBM WebSphere MQ Integrator Broker, Version 2.1 (AIX, HP-UX, Sun Solaris operating environment, Windows NT, Windows 2000) *(Preview announcement)*		Coordinates information flows, as well as enriches, reformats and distributes information to address a wider variety of business integration needs		• Enhanced message repository management • Virtually unrestricted scalability • Message enrichment and distribution in an unprecedented variety of formats
CrossWorlds InterChange Server, CrossWorlds Connectors and CrossWorlds Collaborations		Extends business process integration beyond just information exchange		• A set of connectors enabling information integration through use of the CrossWorlds InterChange Server • A set of collaborations that can build on these products to provide business process and enterprise integration
IBM WebSphere Adapter for Ariba Buyer, Version 2.0		Adds to the adapter portfolio by enabling the exchange of information between Ariba Buyer and other packaged applications		• Use of WebSphere MQ Integrator to route and transform data between applications
IBM WebSphere Adapters for mySAP.com, PeopleSoft, J.D. Edwards OneWorld and Oracle Applications		Adds an additional communication option to integrate four key applications		• J2EE technology-compliant adapters to use with WebSphere Application Server
Peregrine Integration Adapter portfolio		Enables the integration of information among more than 10 packaged applications and technologies		• Use of WebSphere Application Server • Use of WebSphere MQ Integrator to route and transform data between applications
HOLOSOFX BPM Suite (BPM Workbench, BPM Server and BPM Monitor)		Provides business tooling to visualize business process impact, and helps analyze process cost, cycle time, workload, bottlenecks and return on investment		• Management of processes enacted by MQSeries Workflow • Use of IBM WebSphere Application Server • Availability from IBM
IBM WebSphere Business Integration		Provides a single, comprehensive integration offering at an attractive price		Including all the IBM business integration software for : • Application connectivity • Process integration • Workflow

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Statements of Direction summary for the May 2002 announcements
IBM intends:

- [1]To enhance WebSphere MQ base products to support Microsoft Windows XP during 4Q2002 through a service upgrade
- To enhance WebSphere MQ Event Broker to support Microsoft Windows XP and Linux during 4Q2002
- To release WebSphere MQ Integrator Broker on the Compaq NonStop Kernel (Compaq NSK) during 4Q2002
- In subsequent product releases, to further integrate WebSphere Data Interchange with WebSphere MQ Integrator and other WebSphere products, helping to protect your investment in WebSphere Data Interchange today, and the WebSphere family, now and in the future

For more information, visit **ibm.com**/mqseries/1h02announce/direction.

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