Software Announcement
May 20, 2003

IBM WebSphere Business Integration Event Broker and Message Broker V5.0

Overview
WebSphere® MQ is the leader in enterprise messaging, offering reliable, once and once only delivery between the broadest range of platforms in the industry.

WebSphere MQ Integrator® is the leading message broker, offering in-flight routing, transformation, logging, and enrichment of messages.

IBM extends its leadership with a new generation of message brokers. The new WebSphere Business Integration brokers introduce WebSphere MQ family protocols targeted at:

- Very high performance real-time Internet and intranet communications
- Web Services
- Mobile and wireless devices
- Telemetry

Combined with the power to distribute brokers across a network under central control, customers can now build a reliable, high-performance on demand enterprise integration bus to connect your key resources.

WebSphere Business Integration Event Broker
WebSphere Business Integration Event Broker (the follow-on product to WebSphere MQ Event Broker) allows you to build a flexible, extensible, secure infrastructure. It quickly leverages both new and existing packaged and homegrown applications and devices across heterogeneous platforms. It extends the market-leading WebSphere MQ messaging transport with other protocols, including those for mobile and telemetry endpoints.

Event Broker provides a flexible entry point into integration you start simple and grow, leveraging and exploiting existing investment in skills and other assets.

WebSphere Business Integration Message Broker
Built on the Event Broker, WebSphere Business Integration Message Broker (the follow-on product to WebSphere MQ Integrator Broker) transforms and enriches in-flight information for a further level of intermediation between applications that use different message structures and formats.

In addition, the Message Broker can be integrated with a database to perform message logging, data merge, and database update functions.

If you are considering Web Services architectures and solutions, the broker can assist with integration of non-Web-Services applications, the routing and transformation of SOAP messages, and the logging of Web Services transactions.

An improvement on point-to-point Web Services implementations that can lead to complex application interdependencies, the brokers help to improve control, simplify application development, lower maintenance costs, and increase flexibility. When combined with WebSphere MQ, you gain essential reliability to Web service.

WebSphere Business Integration Message Broker with Rules and Formatter Extension
This WebSphere Business Integration Message Broker product includes the IBM Rules and Formatter previously offered with WebSphere MQ Integrator for z/OS® V2.1. The WebSphere Business Integration Message Broker with Rules and Formatter Extension for z/OS V5.0 builds on the Message Broker and offers continuity, compatibility, and investment protection for existing customers that require the IBM Rules and Formatter.

At a glance

WebSphere Business Integration brokers:
- Deliver an infrastructure for e-business on demand™
- Can be used to build an enterprise integration bus for e-business on demand
- Offer reliable, high-performance messaging
- Connect people, applications, information, and processes
- Are follow-on products to WebSphere MQ Integrator Broker and MQSeries® Integrator
- Provide six WebSphere MQ Transports; Enterprise, Web Services, Mobile, Real-Time, Multicast, and Telemetry
- Add Linux on Intel® and IBM @server zSeries®

Key prerequisites
The following products are supplied with a restricted license to assist installation:

- WebSphere MQ V5.3
- DB2® Enterprise Server Edition V8.1

Planned Availability Dates
- June 27, 2003 (electronic software delivery)
- June 27, 2003 (media and documentation)

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
WebSphere Business Integration Event Broker

WebSphere Business Integration Event Broker allows you to rapidly build a flexible, extensible, secure infrastructure leveraging existing and new, packaged and homegrown applications and devices across heterogeneous platforms.

It extends the market-leading WebSphere MQ messaging transport with other protocols, including those for real-time Internet and intranet, multicast, mobile, and telemetry endpoints. Event Broker is a flexible entry point into integration, allowing you to start simple and grow, leveraging and exploiting existing investments in skills and other assets.

WebSphere Business Integration Message Broker

Built on the Event Broker, WebSphere Business Integration Message Broker transforms and enriches in-flight information to provide a further level of intermediation between applications that use different message structures and formats.

The Message Broker can be integrated with a database to perform message logging, data merge, and database update functions.

If you are considering Web Services architectures and solutions, the broker can assist with integration of non-Web Services applications, the routing and transformation of SOAP messages, and the logging of Web Services transactions. An improvement on point-to-point Web Services implementations that can lead to complex application interdependencies, the brokers help to improve control, simplify application development, lower maintenance costs, and increase flexibility. When combined with WebSphere MQ, it offers much needed reliability to the Web Services arena.

Benefits of WebSphere Business Integration Message Brokers

WebSphere Business Integration Event Broker and WebSphere Business Integration Message Broker are an ideal platform for business integration. They offer you the essential flexibility to start small and grow with your customer demands. Ease of implementation and ease of use in production ensures that time to value can be slashed and return on investment maximized. These integration offerings help you improve control of your business, allowing rapid response to events as they occur and enabling timely delivery of business information that supports key business decisions.

The use of WebSphere Business Integration Event Broker and WebSphere Business Integration Message Broker means that useful and timely information can be provided for customers, suppliers, and partners to improve customer satisfaction and competitiveness. It can help reduce delivery cycle times and error rates, improving operational performance, including reducing inventory and improving cash flow to increase return on capital employed.

Chief executives can consider improving customer service and business agility while reducing operational and IT costs by:

- Making their organization work smarter and more productively
- Giving them better visibility and control over operations
- Giving their employees the information they need to be successful
- Eliminating activities that don’t add value

Corporate information officers can consider reducing system development and maintenance costs by:

- Reusing existing applications and data, rather than purchasing or rebuilding
- Building new applications that can be more easily reused
- Improving system flexibility and adaptability

Operations executives can consider reducing operational costs by:

- Reducing inventory and improving cash flow
- Improving workforce productivity through automation
- Reducing the cost of rectifying process errors

Customer-facing executives can consider improving customer service by:

- Supplying useful and timely information to customers, suppliers, and partners
- Reducing delivery cycle times
- Reducing error rates

The brokers extend the value of previous investments by supporting and transforming information between old and new standards and formats.

Features of WebSphere Business Integration Brokers

The following list summarizes the new functions and capabilities in this version:

- High-performance event distribution for an on demand business.
- Autonomic fail-over of brokers.
- Message Broker now supports customer extensions and plug-ins.
- Support for Web Services is enhanced.
- Support for six WebSphere MQ transports.
- Enhanced Internet reach and security.
- Eclipse-based Message Broker Toolkit for WebSphere Studio.
- A new XML transcoding node that supports XML style sheets.
- More granular security with database user ID/password support.
- One-click install and improved user experience.
- Linux on Intel and zSeries platforms supported.

High-Performance Event Distribution for an On Demand Business

WebSphere Business Integration Event Broker and WebSphere Business Integration Message Broker manage real-time events between clients, servers, mobile, and telemetry devices, providing a highly scalable, event-driven model to integrate applications and people, regardless of device or location. This is an essential foundation for an on demand enterprise that can adapt to rapidly changing customer and market needs.

The Event Broker now provides an affordable distributed integration platform ideal for distribution across your enterprise with the capability to add custom extensions into the plug-in framework.

Both Event Broker and Message Broker contain the high-performance publish and subscribe matching engine previously available only in WebSphere MQ Event Broker V2.1

Autonomic Fail-Over of Brokers

Cloning of subscription and publication state across a collection of brokers allows subscribing clients to fail over to a secondary broker in the case of broker failure. This
provides increased fault tolerance for publish and subscribe networks.

Message Broker supports customer extensions and plug-ins
WebSphere Business Integration Message Broker support the development and deployment of custom-written plug-in nodes within the integration framework. Customers can add Java™ or C code for specialized message routing, analysis, or transformation algorithms. This capability, previously available only with WebSphere MQ Integrator Broker, is now also available with WebSphere Business Integration Message Broker.

Support for Web Services
In keeping with IBM’s strategy to enable integration via Web Services, WebSphere Business Integration Message Broker now support Web Services standards to enable the integration of both standards-compliant and traditional applications. An improvement on point-to-point Web Services implementations, the broker helps to improve control, simplify application development, lower maintenance costs, and increase flexibility.

WebSphere MQ Transports
Multiple transports deliver qualities of service that enable customers to conduct secure business anytime, anywhere. They extend the reach of the enterprise and the power of integration by embracing pervasive, telemetry, and Internet technologies within the integration paradigm. For example, the brokers enable an enterprise to integrate its business partner community across the Internet or remote networks of devices and users.

New features in Version 5 include Internet reach (access through firewalls) and enhanced security that enable you to integrate with confidence over the Internet. The addition of multicast protocols enables simultaneous delivery of identical information to multiple endpoints, optimizing network throughput and performance.

Event Broker and Message Broker now support:
- WebSphere MQ Enterprise Transport for connecting applications with the market-leading messaging middleware
- WebSphere MQ Mobile Transport for connecting applications running on mobile and wireless devices
- WebSphere MQ Web Services Transport for connecting applications that use the HTTP protocol for messaging (Message Broker only)
- WebSphere MQ Real-time Transport for connecting messaging clients (supplied) across the Internet and intranet
- WebSphere MQ Multicast Transport, for optimizing network bandwidth when broadcasting messages to clients
- WebSphere MQ Telemetry Transport, for connecting remote devices through low-bandwidth communications

Internet Reach and Security
The following transports now support HTTP tunnelling and quality of protection, enabling enterprises to confidently communicate across the Internet:
- WebSphere MQ Enterprise Transport when used with MQ Internet Passsthrough
- WebSphere MQ Mobile Transport when used with WebSphere MQ Everyplace™
- WebSphere MQ Real-time Transport natively supported by the brokers
- WebSphere MQ Telemetry Transport, for connecting
- WebSphere MQ Multicast Transport, for optimizing network throughput and performance.

Eclipse-Based Message Broker Toolkit for WebSphere Studio
In line with IBM’s common tooling strategy, the new brokers feature enablement to IBM’s strategic WebSphere Studio Workbench. Based on the Eclipse open source framework, this powerful, easy-to-use tooling greatly enhances the developer experience. It enables the use of code repositories to support teamwork and provides improved debug and deployment capabilities.

Customers can benefit from improvements to the graphical development environment to help model information flows and multibroker topologies that provide reduced time to value. This single consistent tools model across the WebSphere portfolio ensures that valuable skills can be developed and deployed across a wide variety of industry-leading platforms, from WebSphere Application Server to WebSphere Business Integration Server, ensuring a clear protection of such investment.

A New XML Transcoding Node that Supports XML Style Sheets
Additional transformation capabilities have been provided through the inclusion of a new XSLT-based XML transformation node. Initially, this supports transformation of XML messages only. The style sheet to be used to define the transformation may be specified as an attribute of the node instance or be determined within the context of the flow and specified using a defined area of the local environment.

More Granular Security with Database User ID/Password Support
External database access from compute/database/warehouse nodes is extended a facility that allows a user to associate a specific user ID/password with a given ODBC DSN in the broker runtime. This user ID/password combination is then used for all connections made by the broker to the particular DSN, overriding the default use of the broker’s user ID/password.

This addresses a key customer requirement to specify different user ID/password combinations for different databases and to set this on a broker-by-broker basis. A command line tool will be provided for setting this information in the broker’s “registry.”

One-Click Install and Improved User Experience
The brokers now feature a one-click install — a key attribute of IBM’s increased focus on supreme ease of use. Other usability features include “learn as you go,” dynamic, context-sensitive help and sample configurations. The new tooling supports easy migration from WebSphere MQ Integrator V2.1 to WebSphere MQ Integrator Broker V2.1.

Sybase/New Era of Networks Rules and Formatter
The Rules and Formatter nodes are now only available with the WebSphere Business Integration Message Broker with Rules and Formatter Extension V5.0. Ongoing support for the IBM Rules and Formatter nodes will provide equivalent capability to WebSphere MQ Integrator V2.1.
Extended Platform Support
Customer integration options are further enhanced by the broker’s support of Linux on Intel and zSeries servers.

Features Summary
The main features are:
- High-performance event distribution
- Autonomic fail-over of brokers
- Content- and topic-based subscriptions
- Transformation, routing, and enrichment of messages in-flight
- A distributed architecture that includes a configuration manager, one or more distributed brokers, and one or more Message Broker Toolkit for WebSphere Business Integration — studio workstations (formerly control centers)
- Support for telemetry and pervasive devices
- Database integration for message logging, merge, and update
- End-to-end transactional integrity between applications

Transaction Processing SupportPacs
Each SupportPac supplies a particular function or service that can be used with one or more of the WebSphere MQ products.

New SupportPacs are now available.

Visit the Transaction Processing SupportPacs library:
http://www.ibm.com/software/mqseries/txppacs

Accessibility by People with Disabilities

WebSphere Business Integration Event Broker V5.0
WebSphere Business Integration Message Broker V5.0

These products meet the requirements for keyboard access, object information, sounds, display, timing, documentation, and accessibility testing.

The Message Flow Editor overview and palette are not accessible; they do not allow keyboard access to all functions. This is due to the underlying Flow Composition Builder (FCB) Eclipse component, which does not provide keyboard support.

WebSphere Business Integration Message Broker with Rules and Formatter Extension V5.0

The Rules and Formatter within this product does not fully comply with the requirements for keyboard access, object information, sounds, display, timing, documentation, and accessibility testing.

Product positioning
New versions of the brokers demonstrate IBM’s continued commitment to integration networks and broker technology. Integration brokers are now taken to the next level by revolutionizing the tools interface, providing more qualities of service through more transports, and more flexibility of deployment options through combinations of multicast and unicast.

The brokers provide flexible entry points into integration, leveraging investments in WebSphere MQ messaging. Start with WebSphere Business Integration Event Broker for a real-time, event-driven infrastructure. When more capability is required, the investment in Event Broker is preserved in the WebSphere Business Integration Message Broker and the WebSphere Business Integration Message Broker with R&F Extension that adds any-to-any transformation and database integration. Both brokers can provide clear ROI by:
- Reducing the number of interconnections
- Simplifying the endpoint requirements
- Centralizing information manipulation and routing in the network

The enterprise integration bus, built with the brokers, is the foundation for process-based integration provided by WebSphere Business Integration Server.

For enterprises with distributed IT resources (dispersed geographically or between different departments), many brokers can be distributed around a network to create a scalable, robust, and efficient infrastructure for e-business on demand.

WebSphere Business Integration adapters work with WebSphere Business Integration brokers to enable easy connection to popular packaged applications. They share management and control functions, and message formats with the brokers. WebSphere Business Integration Message Broker is included as part of the WebSphere Business Integration Server, which also provides process management and workflow.

Reference Information

Trademarks
The e-business logo, e-business on demand, Everyplace, and SupportPac are trademarks of International Business Machines Corporation in the United States or other countries or both.
WebSphere, MQ Integrator, z/OS, MQSeries, zSeries, and DB2 are registered trademarks of International Business Machines Corporation in the United States or other countries or both.
Intel is a registered trademark of Intel Corporation.
Java is a trademark of Sun Microsystems, Inc.
Other company, product, and service names may be trademarks or service marks of others.
Education support

A modular set of WebSphere® Business Integration courses are available via the IBM Training Partner Program. WebSphere Business Integration Message Brokers training classes are scheduled to be available by product availability.

Refer to the following Web site for WebSphere Business Integration courses and follow the links to Education to access WebSphere MQ and Business Integration education, professional certification, and computer-based training.

http://www.ibm.com/software/mqseries

Cross-platform courses are available from IBM IT Education Services. To determine course availability, refer to:

http://www.training.ibm.com/ibmedu/

Select the country of your choice, and click GO.

Visit the following Web site for additional information:


The appropriate curriculum will include the enhancements described in this announcement.

Call IBM IT Education Services at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Offering Information

Product information is available through Offering Information at:

http://www.ibm.com/common/ssi

Product Information is also available through the Passport Advantage® Web site at:

http://www.ibm.com/software/passportadvantage

Publications

No publications are shipped with these products.

All documentation for the WebSphere Business Integration brokers family of products is now part of the integrated help system. You can launch the help system from the WebSphere Studio Workbench.

Some of the advantages are:

- Improved search and navigation facilities
- Contextual help links from the workbench
- Links from the help to launch workbench wizards
- Comprehensive linking between related information

The IBM Publications Center:

http://www.ibm.com/shop/publications/order

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card or customer number. A large number of publications are available online in various file formats, and they can all be downloaded free of charge.

The IBM Publications Notification System:

http://service5.boulder.ibm.com/pnsrege.nsf/messages/welcome

The Publications Notification System (PNS) enables subscribers to set up profiles of interest by order number/product number. PNS subscribers automatically receive notifications by e-mail of all new publications defined in their profiles. These may then be ordered/downloaded via the Publications Center.

Technical information

Hardware Requirements

Any vendor hardware explicitly compatible and fully capable of running the specified operating system, the corresponding supporting software, and associated applications unmodified. Responsibility to provide a statement of full compatibility between machines lies with the original equipment provider.

Server Requirements

- IBM @server pSeries™, RS/6000® processor machines
- Sun Microsystems SPARC processor machines
- Hewlett-Packard HP-9000 processor machines
- IBM @server xSeries® and Intel®-based systems (or equivalent), various manufacturers
- IBM @server iSeries™ Server (using the IBM Integrated xSeries Server)
- IBM @server zSeries® 600 or 700 Server (for Linux z/OS®)

Message Broker Toolkit for WebSphere Studio Requirements

Any Intel Pentium® III (or above) processor-based IBM PC or compatible, with 700+MHz processor speed and a minimum of 512 MB RAM.
Software Requirements

- WebSphere Business Integration Message Broker
- WebSphere Business Integration Event Broker
- WebSphere Business Integration Message Broker with Rules and Formatter Extension

User Name Server — one of the following:
- WebSphere MQ for AIX® V5.3 + CSD 4 and AIX V5.1 (also known as AIX 5L) ML3 + APAR IY31524/PTF U476951
- WebSphere MQ for Sun Solaris V5.3 + CSD 4 and Sun Solaris 2.8 + SunSolve recommended path level
- WebSphere MQ for HP-UX V5.3+ CSD 4 and HP-UX V11.0 (September 2002 Quality Pack) or HP-UX 11.11 (December 2002 Quality Pack + HP defect fix IY11155)
- WebSphere MQ for Microsoft® Windows NT®/2000/XP V5.3 + CSD 4 and Microsoft NT Server V4.0 (with SP6a) or Microsoft Windows® 2000 Server (with SP3) or Microsoft Windows 2000 Advanced Server (with SP3)
- WebSphere MQ for Linux (Intel) V5.3 + CSD 4 and Linux Intel Red Hat Advanced Server V2.1 or Linux Intel SuSE Linux Enterprise Server (SLES) 8
- WebSphere MQ for Linux (zSeries) V5.3 + CSD 4 and Linux zSeries (31-bit) SuSE Linux Enterprise Server (SLES) 8

Note: WebSphere MQ V5.3 CSD 4 is required to provide enhanced Publish and Subscribe capability.

Compatibility: These programs represent a new release of the WebSphere Business Integration Broker family. WebSphere Business Integration Message Broker, WebSphere Business Integration Message Broker with Rules and Formatter Extension, and WebSphere Business Integration Event Broker share common components and subfeatures not totally compatible with the following previous releases:
- WebSphere MQ Integrator® V2.1
- WebSphere MQ Integrator Broker V2.1
- WebSphere MQ Event Broker V2.1

Migration Considerations

Tools and utilities will be available to assist migration from the previous release.

Customers on an earlier release will have to migrate to the above release to take advantage of these tools and utilities.

Performance considerations: Refer to published performance information available from:

http://www.ibm.com/software/integration/support/supportpacs/

Planning information

Use of PLUs

For this program, the program license charge unit is Processor License Units (PLUs). The number of PLUs required for the program should be equal to the total number of processors in the machine on which the program is installed.

Customer responsibilities

Prerequisites

You must provide at least the minimum hardware and software environments in which the licensed programs operate.

Purchase Requirements

Customers must identify the machine on which they will install the WebSphere Business Integration Message Broker or Event Broker, and purchase the required number of PLUs with their order.

Use of MQ Transports

Customers must also identify if they want to use any of the MQ Transports and, if required, purchase the required Connection Pack for WebSphere Business Integration to extend their license.

Problem Determination

Problem determination (PD) is a customer responsibility. PD is an assessment of whether a problem is caused by hardware or software. PD is complete only when the cause of the problem is identified. This assessment includes examination of available symptoms using the PD procedures documented in the product.

Problem source identification (PSI) is a customer responsibility. PSI begins when software is determined to be the source of the problem. PSI includes tracing the source of the program to a host system control program (SCP), an application program, or another source. Assisting the customer with PSI is an IBM service and support responsibility.
Installability: Several new features and functions have been added to enhance the initial user experience. Refer to the Description section of this announcement.

Packaging

- WebSphere Business Integration Message Broker for Multiplatforms V5.0
- WebSphere Business Integration Message Broker with Rules and Formatter Extension for Multiplatforms V5.0
- WebSphere Business Integration Event Broker for Multiplatforms V5.0

WebSphere Business Integration Message Broker and WebSphere Business Integration Event Broker are separate media packs containing multiple CD-ROMs.

Each media pack supplies the complete appropriate WebSphere MQ V5.3 programs necessary to run WebSphere Business Integration Message Broker V5.0, WebSphere Business Integration Event Broker V5.0, or WebSphere Business Integration Message Broker with Rules and Formatter Extension V5.0 on the specified platforms and restricted versions of DB2 Universal Database Enterprise Server Edition V8.1 customized to install with WebSphere Business Integration Message Broker or WebSphere Business Integration Event Broker.

Customers may also use the product with DB2 7.2 and can move to a full version of DB2 V8.1 at any time for an additional charge. Refer to DB2 Universal Database Version 8.1 Software Announcement 202-214, dated September 17, 2002.

The WebSphere Business Integration Message Broker for Multiplatforms V5.0 contains:

- WebSphere Business Integration Message Broker V5.0 CD-ROMs for Windows 2000, Windows XP Professional, AIX, HP-UX, Solaris, Linux-Intel, and Linux-z/OS
- WebSphere Business Integration Message Broker for Multiplatforms DB2 V8.1 CD-ROMs
- WebSphere Business Integration Message Broker for Multiplatforms V5.0 Supplemental CD-ROM
- WebSphere MQ V5.3 Server CD-ROMs
- WebSphere MQ V5.3 Clients CD-ROMs
- IBM IPLA

The WebSphere Business Integration Event Broker for Multiplatforms V5.0 contains:

- WebSphere Business Integration Event Broker for Multiplatforms DB2 V8.1 CD-ROMs
- WebSphere Business Integration Event Broker for Multiplatforms V5.0 Supplemental CD-ROM
- WebSphere MQ V5.3 Server CD-ROMs
- WebSphere MQ V5.3 Clients CD-ROMs
- IBM IPLA

The WebSphere Business Integration Message Broker with Rules and Formatter Extension for Multiplatforms V5.0 contains:

- WebSphere Business Integration Message Broker V5.0 CD-ROMs for Windows 2000, Windows XP Professional, AIX, HP-UX, Solaris, Linux-Intel, and Linux-z/OS
- The Rules and Formatter that can only be used as a plug-in to the WebSphere Business Integration Message Broker; it consists of a single CD-ROM per platform.
- WebSphere Business Integration Message Broker for Multiplatforms DB2 V8.1 CD-ROMs.
- WebSphere Business Integration Message Broker for Multiplatforms V5 Supplemental CD-ROM.
- WebSphere MQ V5.3 Server CD-ROMs.
- WebSphere MQ V5.3 Clients CD-ROMs.
- IBM IPLA.

Electronic Software Delivery (ESD)

Passport Advantage customers can download ESD images from:

http://www.lotus.com/home.nsf/welcome/passport

Business Partners can download the above images from:

http://www2.software.ibm.com/partnerweb/bpsoftware.nsf/

This program when downloaded from a Web site, contains the applicable IBM license agreement, and License Information (LI), if appropriate, and will be presented for acceptance at the time of installation of the program. The license and LI will be stored in a directory such as LICENSE.TXT for future reference.

Security, auditability, and control

WebSphere Business Integration Message Broker and Event Broker use the security and audibility features of the workstation or server operating system.

In addition, WebSphere Business Integration Message Broker and Event Broker platforms implement a level of security including access control of queues and authorization between message queue managers.

The customer is responsible for evaluation, selection, and implementation of security features, administration procedures, and appropriate controls in application systems and communication facilities.

Ordering information

<table>
<thead>
<tr>
<th>Licensed Function Title</th>
<th>Product Group</th>
<th>Product Category</th>
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</thead>
<tbody>
<tr>
<td>WebSphere MQSeries® Business Integration Message Broker</td>
<td>MQSeries</td>
<td>MQSeries</td>
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<tr>
<td>WebSphere Business Integration Connection Pack</td>
<td>MQSeries</td>
<td>MQSeries</td>
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</table>
Licensed Function Title | Product Group | Product Category
---|---|---
WebSphere Business Integration Event Broker | MQSeries | MQSeries
IBM WBI Msg Brkr with Rules and Formatter Extension | MQSeries | MQSeries

**Per Processor Charges**

In response to customer feedback, it is simpler to do business with IBM. Customers will now pay for IBM software licenses on a per-processor basis for WebSphere Business Integration Message Broker V5.0, WebSphere Business Integration Event Broker V5.0, and WebSphere Business Integration Message Broker with Rules and Formatter Extension V5.0. This is a change from the per-capacity unit model of charging for software.

Customers should expect no general increase or decrease in net costs. However, any change in cost will depend on the customers’ unique circumstances, relating to the number of processors in their machine.

The change is effective now for all new orders, but does not affect existing licenses until the next Software Maintenance renewal. If customers do not have a Software Maintenance contract, they are not affected by this change and should continue using their programs under the capacity-unit terms. Further information is available at:

http://www.ibm.com/websphere/integration/pricing

**Charges**

Charges for authorized use of the program are based on Processor License Units (PLUs). The use of the program on any server machine requires one PLU to be acquired (from IBM or an IBM Business Partner) for each processor contained in the server machine on which any copy of the program is to run. PLUs are required for every server machine on which the program is installed. You are also required to obtain a corresponding number of additional PLUs if the program installation is moved to a server machine with a greater number of processors, or if any additional processors are added to the server machine on which the program is installed.

Failure to comply with the requirement for the appropriate number of PLUs will constitute a material breach of the terms of this license and will automatically terminate your rights in connection therewith.

For Software Maintenance renewals for deployments on servers of five processors and greater, and new software purchases for deployments on servers of five processors and greater, you are eligible for special bid on the software. Contact your IBM representative. Also refer to the license information supplied with your updated copy of the program.

**Transferability**

Users who upgrade from an earlier release of the program under Passport Advantage can use their existing capacity units and then acquire additional PLUs to satisfy the requirements given below. The capacity units from the previous release will be converted to PLUs (at a rate of two capacity units to one PLU) and counted as all or part of the customer entitlement. Any “spare” capacity units can be used towards other program entitlement, at the time of renewal reconciliation, but are not refundable.

Capacity units for the products announced as moving to PLUs were withdrawn from marketing on May 5, 2003.

Users should retain their original product and capacity units as Proof of Entitlement (PoE).

Note that the pricing is based on the number of processors in the server machine, regardless of whether they are all being used to execute the program.

**Migration**

Migration for customers who have existing capacity unit license entitlements will be at the time of Software Maintenance renewal. A standard conversion rate of two capacity units to one processor license unit will be used. In the majority of situations, this conversion will ensure that users have the correct number of entitlements. However, where machines have five or more processors (and in a few other cases), the standard conversion will not give the required number of licenses. In this case, when contacted by IBM, customers should discuss acquiring additional entitlements so that they are correctly licensed under the new pricing model. Customers will not be charged for additional licenses granted under this process, but the Software Maintenance renewal prices will be amended, based on the number of entitlements needed.

For Software Maintenance renewals for deployments on servers of five processors and greater, and new software purchases for deployments on servers of five processors and greater, customers are eligible for special bid on the software.
WebSphere Business Integration Message Broker V5.0 — Media Pack Multilingual
WebSphere Business Integration Event Broker V5.0 — Media Pack Multilingual
WBI Message Broker with R and F Extn V5.0 — Media Pack Multilingual

**Part Number**: BA0ARML

**Description**: WebSphere Business Integration Message Broker V5.0 Media Pack Multilingual

**Part Number**: BA0AQML

**Description**: WebSphere Business Integration Event Broker V5.0 Media Pack Multilingual

**Part Number**: BA0ASML

**Description**: WBI Message Broker with R and F Extn V5.0 Media Pack Multilingual

**Passport Advantage Customer: Media Pack Entitlement Details**

Customers with active maintenance or subscription for the listed products are entitled to receive the corresponding media pack.

<table>
<thead>
<tr>
<th>Entitled Maintenance Offerings Description</th>
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<th>Part Number</th>
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<tr>
<td>WebSphere Business Integration Message Broker Processor</td>
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**License Information Form Number**

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**Limited warranty**: Yes

**Program services**: Program Services will be available for a period of at least one year following the effective marketing withdrawal date, which will be announced at a future date.

**Money-Back Guarantee**: If for any reason you are dissatisfied with the program, return it within 30 days from the invoice date, to the party (either IBM or its reseller) from whom you acquired it, for a refund. This applies only to your first acquisition of the program.

**Copy and Use on Home/Portable Computer**: No

**Volume Orders (IVO)**: No

**Passport Advantage Applies**: Yes, and through the Passport Advantage Web site at:

http://www.ibm.com/software/passportadvantage

**Usage Restriction**: Yes

**Charging and License Use Management**

Charges for authorized use of the program are based on Processor License Units (PLUs). The use of the program on any server machine requires one PLU to be acquired (from IBM or an IBM Business Partner) for each processor or symmetric multiprocessor contained in the server machine on which any copy of the program is to run. PLUs are required for every server machine on which the Broker component of the program is installed. You are also required to obtain a corresponding number of additional PLUs if the program installation is moved to a server machine with a greater number of processors, or if any additional processors are added to the server machine on which the program is installed.

Failure to comply with the requirement for the appropriate number of PLUs will invalidate the terms of this license. License Use Management software is used to monitor compliance.

No separate server authorizations are required to license any other component part of the program.

You should retain your original product and all Passport Advantage documents as PoE.

Specific restrictions also apply to various components of the program, as described below.

**WebSphere MQ**

The program includes a copy of WebSphere MQ. For each PoE, you are authorized to install and use WebSphere MQ in association with your use of the program, as follows:

- You are authorized to install two copies of WebSphere MQ for use with the program.
- You are authorized to use WebSphere MQ only with messages generated for the program, and not for other purposes. (To use WebSphere MQ for any other purpose, you must acquire a separate (unrestricted) PoE, which authorizes such use of an WebSphere MQ software product.)

**DB2 Components**

The program includes portions of DB2 Universal Database ("DB2"). For each PoE of the program, you are authorized to install and use two copies of DB2 components only in association with your licensed use of the program for the
storage and management of data used and generated by the program, and not for other data management purposes, specifically excluding use for application data. For example, this license does not include inbound connections to the database from other applications for queries or report generation. You are authorized to install and use one copy of these DB2 components only on the same workstation as the Configuration Manager component provided with your program. The second copy of the DB2 components can only be used by the Broker component of the program.

Microsoft Data Access Components

The program includes a copy of Microsoft Data Access Components ("MDAC"). Use of MDAC by you is subject to the terms of the “End User License Agreement for Microsoft Software,” a copy of which is included with the program on the Supplemental CD-ROM.

In particular, you are granted no right or license to redistribute MDAC. If you wish to acquire the right or a license to redistribute MDAC, you should contact Microsoft Corporation to obtain the necessary authorization. At the time of publication, Microsoft Corporation can be contacted for this purpose via its Web page at:

http://www.microsoft.com/data/download.htm

Note: Microsoft Corporation reserves the right to delete the MDAC download and to change, move, or remove the referenced Web page at any time, at its sole option.

Use of Hewlett-Packard Java RTE V1.3 (For HP-UX Only)

The HP-UX version of the program includes a Java Runtime Environment ("RTE") supplied by Hewlett-Packard ("HP"). Any use of the HP RTE is subject to the HP software licensing and warranty terms. Users of the program will be asked to indicate their acceptance of the HP license and warranty terms, when installing the program.

If the HP license and warranty terms are not acceptable, then you should return the program immediately to your supplier for a full refund of any money paid by you for it.

DataDirect ODBC Driver Manager Components

Portions of this program are copyrighted by DataDirect Technologies, 1991 — 2002.

IBM Rules and Formatter

The WebSphere Business Integration Message Broker with Rules and Formatter Extension includes certain "Rules and Formatter" material supplied under license by Sybase Inc. ("R+F Code").

The following apply in respect of the R+F Code:

- You may not assign or transfer the R+F Code to any other end user.
- Sybase Inc. DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE USE OF THE R+F CODE INCLUDED IN THE PROGRAM, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- The aggregate liability of Sybase Inc. to you for all claims relating to the R+F Code shall not exceed the amount paid by you for the program.

WebSphere MQ Transport Restrictions

Each WebSphere Business Integration Event Broker, WebSphere Business Integration Message Broker, and WebSphere Business Integration Message Broker with Rules and Formatter Extension license entitles the licensee to all or any of the following:

1. Connect up to 500 WebSphere MQ Telemetry Transport end-points per PLU
2. Connect up to 5 WebSphere MQ Multicast Transport end-points per PLU
3. Connect up to 10 WebSphere MQ Real-Time Transport end-points per PLU
4. Connect up to 25 WebSphere MQ Web Services Transport end-points per PLU

A WebSphere MQ Telemetry Transport end-point is defined to be a device that is configured to use telemetry transports to interact with the broker, including those devices connected by an intermediate router, gateway, device, or server.

A WebSphere MQ Real-Time Transport end-point is defined to be a server or workstation using the Real-Time broker.

A WebSphere MQ Real-Time Transport end-point is defined to be a device, server, or workstation that is configured to use Reliable Multicast Messaging protocol or other multicast protocol to interact with the broker, including those connected by an intermediate router, gateway, device, or server.

WebSphere MQ Web Services Transport end-point is defined to be an application that is configured to use native HTTP message protocols to interact with the broker, including those connected by an intermediate router, gateway, device, or server.

WebSphere MQ Tel emetry Transport end-point is defined to be a device that is configured to use Reliable Multicast Messaging protocol or other multicast protocol to interact with the broker, including those connected by an intermediate router, gateway, device, or server.

WebSphere MQ Real-Time Transport License Extension — Each WebSphere MQ Real-Time Transport License Extension entitles the licensee to connect an additional 20 end-points to a fully licensed copy of the program.

WebSphere MQ Web Services Transport License Extension — Each WebSphere MQ Web Services Transport License Extension entitles the licensee to connect an additional 50 end-points to a fully licensed copy of the program.

Each license extension pack may only be used for Web services end-points or real-time end-points or multicast end-points or telemetry end-points and may not be mixed.

Example: Purchase one license extension pack for telemetry end-points and obtain 1000 telemetry end-points in addition to the 500 telemetry, 5 multicast,
processors, such as Cyrix and AMD.

Use of Components on Separate Machines

The program consists of several components:

1. Message broker
2. Configuration manager
3. User Name Server
4. Database manager
5. Message Broker Toolkit for WebSphere Studio

Each component may be installed on only a single machine, at any one time except for the Message Broker Toolkit for WebSphere Studio, which may be installed on multiple machines provided they are all used in conjunction with the same message broker machine.

You may use the program’s Configuration Manager on the same server machine as the Broker component, or on one Intel-based machine. Intel machines include compatible processors, such as Cyrix and AMD.

Unit Testing

The program license authorizes a single developer to install each component of the program on a single Microsoft Windows machine for purposes of “unit testing,” which is limited to testing of code written or generated by such developer to confirm that such code functions as designed. Each license does not authorize the following purposes:

1. Testing applications on servers separate from the developer’s machine
2. Exchanging messages with any production application or system
3. Simulating production workloads
4. Testing scalability of any code, application or system

Message Brokers Toolkit for WebSphere Studio

The program includes a copy of the Message Brokers Toolkit for WebSphere Studio, which:

1. Includes software developed by the Apache Software Foundation:
   http://www.apache.org/
2. Is based on technology from the Eclipse project:
   http://www.eclipse.org
3. Is subject to the following Eclipse.org Software User Agreement Eclipse.org Software User Agreement 17th June, 2002.


For purposes of the CPL, “program” will mean the Content.

Content includes, but is not limited to, source code, object code, documentation, and other files maintained in the Eclipse.org CVS repository (“Repository”) in CVS modules (“Modules”) and made available as downloadable archives (“Downloads”).

Content may be apportioned into plug-ins (“Plug-ins”), plug-in fragments (“Fragments”), and features (“Features”). A Feature is a bundle of one or more Plug-ins and/or Fragments and associated material. Files named “feature.xml” may contain a list of the names and version numbers of the Plug-ins and/or Fragments associated with a Feature. Plug-ins and Fragments are located in directories named “plugins” and Features are located in directories named “features.”

Features may also include other Features (“Included Features”). Files named “feature.xml” may contain a list of the names and version numbers of Included Features.

The terms and conditions governing Plug-ins and Fragments should be contained in files named “about.html” (“Abouts”). The terms and conditions governing Features and Included Features should be contained in files named “license.html” (“Feature Licenses”). Abouts and Feature Licenses may be located in any directory of a Download or Module including, but not limited to, the following locations:

• The top-level (root) directory
• Plug-in and Fragment directories
• Subdirectories of the directory named “src” of certain Plug-ins Feature directories

Note: If a Feature made available by Eclipse.org is installed using the Eclipse Update Manager, you must agree to a license (“Feature Update License”) during the installation process. If the Feature contains Included Features, the Feature Update License should either provide you with the terms and conditions governing the Included Features or inform you where you can locate them. Feature Update Licenses may be found in the “license” property of files named “feature.properties.” Such Abouts, Feature Licenses and Feature Update Licenses contain the terms and conditions (or references to such terms and conditions) that govern your use of the associated Content in that directory. The Abouts, Feature Licenses, and Feature Update Licenses may refer to the CPL or other license agreements, notices, or terms and conditions. It is your obligation to read and accept all such terms and conditions prior to use of the Content. If no About, Feature License, or Feature Update License is provided, contact Eclipse.org to determine what terms and conditions govern that particular Content.

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**Software Maintenance Applies:** Yes

Software Maintenance, previously referred to as Subscription and Technical Support, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this letter is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity by providing voice and/or electronic access into the IBM support organizations.

IBM includes Software Maintenance with each program acquired during the coverage period. The coverage period means the period commencing on the date you acquire the program up to the first or second anniversary date, depending on whether you acquired coverage for one or two anniversaries. The coverage period for Software Maintenance acquired in the two months preceding an anniversary date will be extended to the next applicable anniversary date.

While your Software Maintenance is in effect: IBM provides you assistance for your routine, short-duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Guide at:

http://techsupport.services.ibm.com/guides/handbook.html

Software Maintenance does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For more information about the Passport Advantage Agreement, refer to the IBM International Passport Advantage Agreement Software Announcement 201-202, dated July 10, 2001, or visit the Passport Advantage Web site at:

http://www.ibm.com/software/passportadvantage

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**iSeries Software Subscription Applies:** No

**Educational Allowance Available:** Not applicable

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**Prices**

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**Passport Advantage**

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