



IBM WebSphere Business Events V7.0 products for z/OS and distributed platforms deliver enhancements to industry-leading IBM design tools for defining and testing the business event processing logic

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At a glance

WebSphere® Business Events V7.0

- Enhances the business user experience and tooling -- Extends the business-focused design tools to the Web 2.0 mashup environment within role-based business spaces
- Expands the test capability for both IT and the business user to validate business logic
 - Enables analysis of business logic before applying changes
 - Delivers event capture and replay capability
 - Offers a new test environment geared to the business user
- Enhanced performance and reliability -- Provides increased throughput and decreased memory footprint
- Extends reach and visibility, enabling more insightful, timely action
 - Leverages IBM® WebSphere ILOG JRules® for key operational decisions
 - Hosted trial available in IBM SOA Sandbox
 - Introduced as a key component in the Energy and Utilities Industry Framework
 - Interoperates with IMS™ to leverage existing IMS assets for event processing applications
- Extends the Design components for interaction outside the tooling
 - Surfaces programmatic interfaces to the Business User Design components to construct business logic outside the tooling
 - Provides interfaces to tune business logic in a running WebSphere Business system
- Provides additional platform and standards coverage
 - WebSphere Application Server V7.0
 - Government standards support - IPv6, Federal Desktop Core Configuration (FDCC), and Federal Information Processing Standards (FIPS) compliance

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Business Event Processing (BEP) is the next generation in event processing. It extends the capabilities and tools of traditional event processing approaches to the business user to sense and respond to business events-any occurrence or happening within business context-presenting opportunities or threats.

WebSphere Business Events is a software system designed specifically for managing these business events flowing across systems and people with the goal of providing timely insight and response. Business events are discovered and described in business terms to meet business objectives based on high-level management goals. WebSphere Business Events allows business users to sense (detect and decide) and respond effectively to the impact of business events.

WebSphere Business Events delivers this capability through intuitive business user tools that define, implement, and manage business events. WebSphere Business Events uniquely provides graphical, codeless authoring for defining related elements:

- Business event actions
- Business interaction logic
- External sources for event data enrichment
- Consoles for task management and business event flow visualizations of charts, graphs, and dashboard layouts

Key features include:

- Enables straightforward expression of business event interaction logic
- Understands business language and vernacular
- Senses business events and patterns and initiates the appropriate business actions
- Includes codeless, graphical authoring tools
- Delivers simple and integrated visualization dashboard support
- Connects to existing islands of event information
- Supports both simple and complex business event pattern correlations
- Delivers an integrated development and execution system
- Installs as plug and play to extend your existing environments
- Operates with high performance, scalability, and high availability (HA)
- Enhances existing Business Process Management (BPM), connectivity products, service oriented architecture (SOA) infrastructures, as well as mainframe applications
- Offers simple exchange of events from third-party applications directly to WebSphere Business Events
- Supports event processing requirements and demands across industries and application domains

WebSphere Business Events V7.0 and WebSphere Business Events for z/OS® V7.0 continue to deliver enhancements to their industry-leading, business-focused design tools.

For V6.2, WebSphere Business Events delivered enhanced monitoring dashboard visuals within role-based business spaces. With V7.0, WebSphere Business Events now provides additional enhancements to the business-focused design tools by offering its design capability for defining business event processing logic within the role-based business spaces. This delivers a simplified, consistent user experience for business users accessing the WebSphere Business Events Dashboards, Design and Test from a single view.

New capabilities in WebSphere Business Events V7.0

- Extends the business user Design Tool to the role-based business spaces
 - Enables business users to define and manage the event processing logic within role-based business spaces
 - Provides a consistent business user experience across the portfolio
 - Offers a single interface for the business user to access and manage a variety of tasks
- Expands test capabilities for the business user to validate business logic
 - Offers a new test environment allowing the business user to define and test the business logic as it is created, without the need to deploy to the WebSphere Business Events runtime
 - Allows the business user to visualize the affects of a change to a business rule component before it is applied to the entire set of rules
 - Provides the capability to capture and replay events against the business logic and validate the outcome
 - Enables the business user to maintain a running "window" of recent event streams to allow verification of their rules on yesterday's or last week's data in a safe, easy, integrated environment
 - Offers test capabilities in role-based business spaces alongside the WebSphere Business Events Design and Dashboards, to deliver an integrated design and test environment for the business user to design and test interactions as they are developed
- Provides increased throughput and decreased memory footprint
 - Increases responsiveness and accelerates the performance of high volume, data intensive event processing applications yielding higher throughput
 - Reduces memory footprint resulting in higher memory density and potential lower memory cost
- Extends the power of WebSphere Business Events
 - Leverages WebSphere ILOG JRules for key operational decisions
 - Includes support for interoperability with IMS enabling WebSphere Business Events to receive business event data directly from IMS applications
 - Surfaces interfaces to tune business logic in a running WebSphere Business Events system
 - Provides the ability for third-party applications to surface the user interface allowing business users to easily modify parameters such as amounts, delays, thresholds, and more, within interactions
- Provides additional platform support and standards coverage
 - Government standards - IPv6, FDCC, and FIPS compliance
 - WebSphere Application Server V7.0
- Delivers enhanced performance, predictability, and management with WebSphere eXtreme Scale
- Supports key IBM Industry Frameworks including:
 - Chemicals and Petroleum Industry Integrated Information Framework
 - Health Integration Framework
 - Retail Integration Framework
 - Smart Sensors Solutions

WebSphere Business Events eXtreme Scale, a combined offering of WebSphere Business Events and WebSphere eXtreme Scale, extends business event processing to customers with an extreme volume of business events flowing through their enterprise. WebSphere eXtreme Scale provides efficient manipulation of data in the grid, filtering through an extreme number of raw events and passing only the actionable events through to WebSphere Business Events for business event processing pattern detection. The combination of WebSphere eXtreme Scale and WebSphere Business Events allows optimal event distribution, using partitioning to span both geographies and distribution across local servers.

New capabilities offered by WebSphere Business Events eXtreme Scale V7.0 include:

- Enhanced performance and predictability
 - Integrates with WebSphere Real Time to improve predictability of transaction completion times ensuring smooth, consistent performance
 - Reduces memory footprint of the grid cache results in higher memory density and potential lower memory cost
- Improved management of the WebSphere Business Events eXtreme Scale environment
 - Provides metric access adapters to improve integration with IBM Tivoli® Monitoring (ITM) and Hyperic HQ for better insight into the data grid operations and memory utilization
 - Enables automatic handling of common exception logic in the WebSphere eXtreme Scale infrastructure

Key prerequisites

WebSphere Business Events for z/OS V7.0 requires z/OS V1.9, or later.

WebSphere Business Events V7.0 and WebSphere Business Events eXtreme Scale V7.0 supported environments

- AIX® V6.1
- HP-UX 11i v3
- Red Hat Enterprise Linux® 5.0
- SUSE Linux Enterprise Server 10.0
- SUSE Linux Enterprise Server 11.0
- Sun Solaris 10
- Microsoft® Windows® Server 2003
- Microsoft Windows Server 2008
- Microsoft Windows XP
- Microsoft Windows Vista Business
- Microsoft Windows Vista Enterprise

For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

December 11, 2009

- WebSphere Business Events for z/OS V7.0
- Electronic distribution, distributed platforms
 - WebSphere Business Events V7.0
 - WebSphere Business Events eXtreme Scale V7.0

January 15, 2010

Media packs for distributed platforms

- WebSphere Business Events V7.0
- WebSphere Business Events eXtreme Scale V7.0

Description

WebSphere Business Events lets organizations introduce and subsequently include BEP in their application landscape. The ability to correlate cross-departmental and cross-application events provides a business-context-sensitive bridge between islands of processing and people. As user-defined events and patterns are detected, WebSphere Business Events provides pertinent business insight back to the users allowing them to understand and react as situations demand. WebSphere Business Events delivers business-focused functionality using the following basic elements:

Tools for connectivity to key business events

Business events exist across the extended information infrastructure. IT developers can identify, and readily connect to these events through tools provided with the system. They are further enabled to leverage other technologies within BPM, connectivity and SOA environments to deliver the events that business users need to evaluate, correlate and respond to in order to meet their objectives.

Tools for defining events and processing logic

As IT developers make the necessary event definition and connections, the line-of-business analysts can apply their knowledge of the desired business processes. Through the use of the graphical, non-programming user interfaces, business analysts can define the logic for evaluating, correlating and responding to events and patterns that occur.

The GUI lets business users apply business concepts such as business vernacular, heuristics, and event processing. The business users can create and maintain event processing logic without having to learn a programming language.

WebSphere Business Events Runtime

Once business events definitions and processing logic are complete, the WebSphere Business Events Runtime executes, detecting and sifting through the mass of events occurring across the information infrastructure. The run-time system sifts through the events identifying only those events and patterns of interest as previously defined. Upon sensing a defined event or pattern, the engine will initiate one or more business responses (actions) as defined by the users.

Responses range from electronically alerting or initiating the execution of follow-on processes.

Business insight delivery

The system provides graphical displays (dashboards) allowing users to visualize the event processing in real-time. It enables business users to visualize the business events that are occurring, both individually and in summary, to allow them to adjust the event processing logic when necessary. The ability to view business event processing in real-time is critical to allowing the business to respond to actionable situations, taking advantage of business opportunities and mitigating risks.

Benefits of BEP

Businesses can readily create and maintain the logic supporting business event processing using WebSphere Business Events. WebSphere Business Events provides:

- An integrated environment to rapidly develop, deploy, and manage BEP
- A codeless and graphical user interface designed to enable business users to create and maintain the logic around BEP
- A plug and play implementation approach for leveraging existing business systems with minimal intrusion
- Comprehensive source and version control

- Supports both horizontal and vertical scaling resulting in high performance on a scalable server architecture

National languages support

Business user tooling is translated into:

- Chinese (Simplified and Traditional)
- French
- German
- Italian
- Japanese
- Korean
- Portuguese (Brazil)
- Spanish
- Russian
- Polish

WebSphere Business Events V7.0 and WebSphere Business Events for z/OS V7.0 continue to deliver enhancements to their industry leading, business-focused design tools.

For V6.2, WebSphere Business Events delivered enhanced monitoring dashboard visuals within role-based business spaces. With V7.0, WebSphere Business Events provides enhancements to the business-focused design tools by offering its design capability for defining business event processing logic within role-based business spaces. This enables a simplified, consistent user experience for business users to access the WebSphere Business Events Dashboards, Design and Test from a single view.

Role-based business spaces powered by WebSphere allows business users to create an integrated and customized user experience so that they can access contextualized information in a secure role-based environment. Using the single signon, Web 2.0-based mashup environment, users of role-based business spaces can collaborate with colleagues and subject-matter experts working together to review BPM assets.

Users can create and share their own spaces, or collections of pages that comprise a business process, application, or collaborative end-user experience. Role-based business spaces also deliver a set of out-of-the-box templates which enable pre-integrated process capabilities for an enhanced user experience. Users can immediately use or customize these templates to rapidly create a new or customized process experience. Users can choose to mark their spaces as private or share their spaces with potential viewers or contributors.

WebSphere Business Events V7.0 in role-based business spaces delivers a secure collaborative environment for users to create, validate, and test their business logic. A redesigned Design User Interface, along with the new integrated Unit Test Environment, lets the business user define and test the business logic as it is being created, without the need to deploy to the WebSphere Business Events runtime. While an event capture and replay capability allows events to be stored and replayed against the business logic, that logic can be validated using captured real world events.

Additionally, V7.0 includes the ability for the business user to visualize the affects of a change to a business rule component before it is applied to the entire set of rules. Once a user is satisfied with the defined logic, they will be able to publish those assets out to a WebSphere Business Events runtime in a secure way.

WebSphere Adapters V6.2.0.2 make it easier and less expensive to develop BEP applications by sending events from third-party applications, such as SAP, Siebel, Oracle, PeopleSoft, and J.D. Edwards, directly to WebSphere Business Events. This functionality reduces the total cost of ownership (TCO) of the solution and simplifies

development of BEP applications for customers who choose not to use an Enterprise Service Bus (ESB). ESB users can continue to send events from the third-party application to WebSphere Business Events via the adapters and the ESB.

IMS BEP support is added, enabling WebSphere Business Events to receive business event data directly from IMS applications for insight into business activity. This helps IMS customers leverage existing IMS assets to explore both BEP and business event monitoring solutions, identify business problems, correct exceptions, and change processes to increase business competitiveness by improving process efficiencies. This support is provided for use with IMS V11 through a subsequent deliverable, but is available as a technology preview. It is made available through the IMS SOA Integration Suite link of the IMS Web site

<http://www.ibm.com/ims>

Over the past several years, the event processing market has changed significantly, from initially servicing niche industry and application requirements - such as trading applications within the financial sector - to expanding across virtually all industries and applications. IBM was at the forefront of this change, supporting the business user focus on WebSphere Business Events and other business event processing capabilities to help customers realize the potential gathered from the events flowing throughout their enterprise.

For V7.0, WebSphere Business Events continues this cross-industry approach as a mainstay in many of the IBM Industry Frameworks. From Smarter Oil & Gas to Smarter Retail (with reach extending to more than 400® stores and distribution centers), WebSphere Business Events is currently a key player in:

- Chemicals & Petroleum Industry Integrated Information Framework
- Health Integration Framework
- Retail Integration Framework
- Smart Sensors Solutions

Additionally, with V7.0 is the inclusion of WebSphere Business Events in the Solution Architecture for Energy and Utilities Framework, helping deliver Smarter Grids for a Smarter Planet.

WebSphere Business Events is now featured in the SOA Sandbox. This program offers access to a free trial with the latest business event processing tooling provided by WebSphere Business Events. It lets users gain a hands-on user experience by building and running an example of a customer loyalty scheme to correlate events occurring within a retailer's online and physical, brick-and-mortar stores.

WebSphere Business Events eXtreme Scale, a combined offering of WebSphere Business Events and WebSphere eXtreme Scale, extends BEP processing to customers with an extreme volume of business events flowing through their enterprise.

WebSphere eXtreme Scale provides efficient manipulation of data in the grid, filtering through an extreme number of raw events and passing only the actionable events through to WebSphere Business Events for business event processing pattern detection.

The combination of WebSphere eXtreme Scale and WebSphere Business events allows optimal event distribution, using partitioning to span both geographies and distribution across local servers.

New capabilities offered by WebSphere Business Events eXtreme Scale V7.0 include:

- Improved ease of use with automated handling of common retry and exception logic
- Enhanced XTP capabilities

- Building multi-tenant applications is greatly simplified. Map templates allow applications to create new maps on demand, avoiding the need to use application discriminators in the keys or creating extra maps that may never be used.
- Implementation of byte array maps reduces the memory footprint of the grid cache, resulting in higher memory density and potential lower memory cost.
- The built-in HashIndex plug-in is enhanced to support multiple attributes. This feature can simplify index usage when querying multiple attributes and reduce the overhead of having multiple indexes defined. The query is also optimized to take advantage of composite indexes.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Value Unit-based pricing

Value Unit pricing for eligible IBM System z® IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool Web site

<http://ibm.com/zseries/swprice/vuctool>

Note that Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

Product positioning

WebSphere Business Events extends both the WebSphere BPM and WebSphere Connectivity products. It is capable of being a stand-alone installation or part of a broader BPM environment. It particularly extends the reach and responsiveness of Business Activity Management (BAM) by adding business events as another business activity type that can be monitored.

WebSphere Business Events also extends the cross-IBM BEP capabilities found in multiple other IBM software brands. For instance, when combined with Tivoli Netcool/Impact and Tivoli Netcool® OMNIbus, WebSphere Business Events can be used to correlate high-impact infrastructure events to help organizations achieve greater efficiencies in both business and IT. More than a bridge between islands of business event information and the people and processes related to them, WebSphere Business Events, in combination with Tivoli, is a bridge between business and IT. Also, integration of WebSphere Business Events with CICS® and IMS enables applications to feed business events directly to WebSphere Business Events, as part of the broader business processing application. Finally, extending WebSphere business Events onto z/OS expands the reach by offering business event processing native to the mainframe.

WebSphere Business Events is unique in the competitive market for event processing because of its focus on the line of business user and business events, instead of integration events that are just business events. Providing business events tooling to the line of business user differentiates WebSphere Business Events among competitive products.

When comparing TCO between WebSphere Business Events and its competition, WebSphere Business Events is designed to improve the TCO through codeless implementations, enacted by business users, often without incurring IT development or implementation costs. As business users mature in WebSphere Business Events usage, reuse of connections to business event sources will enable less code.

WebSphere Business Events eXtreme Scale, a combined offering of WebSphere Business Events and WebSphere eXtreme Scale, extends business event processing to customers with very high volumes of business events flowing through their enterprise. It provides a foundation for high-throughput BEP, increasing responsiveness and accelerating the performance of high volume and data intensive event processing applications.

Reference information

Software Announcement [209-302](#), dated October 2, 2009 (IBM IMS V11 Transaction and Database Servers)

Software Announcement [209-324](#), dated October 2, 2009 (IBM WebSphere Business Monitor V7.0)

Program number

Program Name	VRM	Program number
IBM WebSphere Business Events for z/OS	7.0.0	5655-w16
IBM WebSphere Business Events	7.0.0	5724-u90
IBM WebSphere Business Events eXtreme Scale	7.0.0	5724-v96

Product identification number

Program PID number	Subscription and Support PID number
5655-w16	5655-v55

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=209-323>

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training Web site

<http://www.ibm.com/services/learning/>

For more information about available WebSphere education offerings, visit

<http://www.ibm.com/websphere/education>

Role-based skills roadmaps can be found at

<http://www.ibm.com/software/websphere/education/paths/>

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

Offering Information

Product information is available via the Offering Information Web site

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

Publications

WebSphere Business Events documentation is available online at the Information Center at the product availability at

<http://www.ibm.com/software/integration/wbe>

WebSphere eXtreme Scale documentation is available online at the WebSphere Extended Deployment Information Center.

<http://publib.boulder.ibm.com/infocenter/wxdinfo/v7r0/index.jsp>

Technical information

Specified operating environment

Hardware requirements

WebSphere Business Events for z/OS V7.0

- Any hardware that supports z/OS V1.9 or later

- Minimum 1 GB central storage, 2 GB recommended

Websphere Business Events V7.0 and Websphere Business Events eXtreme Scale V7.0

- Minimum 1 GB central storage, 2 GB recommended
- DVD drive

AIX 6.1 - 64-bit IBM pSeries® systems only

Linux for x86 Systems

- 32-bit x86 PC hardware, including x86-64 processors
- 64-bit x86 PC hardware

Linux for POWER® Systems - 64-bit IBM pSeries systems only

Linux for System z Systems - Any server capable of running one of the listed IBM z/Linux releases

HP - HP Itanium® systems

Sun Solaris - Sun Microsystems SPARC processor machines

Microsoft Windows 2003 and Microsoft Windows 2008

- x86 and x86-64 (also known as x64) technology-compatible PC hardware
- x86-64 (also known as x64) technology-compatible PC hardware

Microsoft Windows XP

- x86 and x86-64 (also known as x64) technology-compatible PC hardware
- x86-64 (also known as x64) technology-compatible PC hardware

For current Websphere Business Events V7.0 hardware requirements, visit

<http://www.ibm.com/software/integration/wbe/requirements/>

For current Websphere Business Events eXtreme Scale V7.0 hardware requirements, visit

<http://www.ibm.com/software/integration/wbexs/requirements/>

Software requirements

WebSphere Business Events for z/OS V7.0

z/OS 32-bit

Operating systems

- z/OS V1.9, V1.10, or later

Java™ -IBM 31-bit SDK for z/OS, Java 2 Technology Edition, V6.0

Databases

- DB2® for z/OS V9.1

Application server -WebSphere Application Server V7.0.0.7

JMS Provider

- WebSphere Application Server V7.0.0.7

- WebSphere MQ V7.0.1
- WebSphere MQ V6.0.2

Note: WebSphere MQ V6 is only supported for use with the WebSphere Business Events Message Queue Connector.

z/OS 64-bit

Operating systems

- z/OS V1.9, V1.10, or later

Java - IBM 64-bit SDK for z/OS, Java 2 Technology Edition, V6.0

Databases

- DB2 for z/OS V9.1

Application server - WebSphere Application Server V7.0.0.7

JMS Provider

- WebSphere Application Server V7.0.0.7
- WebSphere MQ V7.0.1
- WebSphere MQ V6.0.2

Note: WebSphere MQ V6 is only supported for use with the WebSphere Business Events Message Queue Connector.

WebSphere Business Events V7.0 and WebSphere Business Events eXtreme Scale V7.0

AIX V6.1

- **Java** - IBM 64-bit SDK for AIX, Java 2 Technology Edition V6.0

- **Databases**

- DB2 V9.5
- DB2 V9.7
- Oracle 10g Standard/Enterprise Release 2
- Oracle 11g Standard/Enterprise
- Apache Derby 10.3 and above

Note: The Apache Derby database is only supported for development and test purposes as a repository for WebSphere Business Events project data, and is not supported for use with the database connector nor with the database fetcher functionality. It is not supported for use in any capacity in production.

- **Application server** - WebSphere Application Server V7.0.0.7

- **JMS provider**

- WebSphere Application Server V7.0.0.7
- WebSphere MQ V6.0.2.3
- WebSphere MQ V7.0.0.1

- **Web browser** - Mozilla Firefox 2.0.0.17

HP-UX 11i v3

- **Java** - HP SDK for J2SE HP-UX 11i platform, adapted by IBM for IBM Software, V6.0

- **Databases**

- DB2 V9.5

- DB2 V9.7
- Oracle 10g Standard/Enterprise Release 2
- Oracle 11g Standard/Enterprise
- Apache Derby 10.3 and above

Note: The Apache Derby database is only supported for development and test purposes as a repository for WebSphere Business Events project data, and is not supported for use with the database connector nor with the database fetcher functionality. It is not supported for use in any capacity in production.

- **Application server** -WebSphere Application Server V7.0.0.7
- **JMS provider**
 - WebSphere Application Server V7.0.0.7
 - WebSphere MQ V6.0.2.3
 - WebSphere MQ V7.0.0.1
- **Web browser - Mozilla Firefox 3**

Linux on POWER (64-bit Systems only)

- **Operating systems**
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
 - SUSE Linux Enterprise Server 11.0
- **Java** - IBM 64-bit SDK for Linux, Java 2 Technology Edition V6.0

- **Databases**

- DB2 V9.5
- DB2 V9.7
- Oracle 10g Standard/Enterprise Release 2
- Oracle 11g Standard/Enterprise
- Apache Derby 10.3 and above

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- **Application server** -WebSphere Application Server V7.0.0.7
- **JMS provider**
 - WebSphere Application Server V7.0.0.7
 - WebSphere MQ V6.0.2.3
 - WebSphere MQ V7.0.0.1
- **Web browser -- Mozilla Firefox 3**

Linux on System z (64-bit Systems only)

- **Operating systems**
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
 - SUSE Linux Enterprise Server 11.0
- **Java --**IBM 64-bit SDK for Linux, Java 2 Technology Edition V6.0
- **Databases**
 - DB2 V9.5
 - DB2 V9.7
 - Oracle 10g Standard/Enterprise Release 2

- Oracle 11g Standard/Enterprise
- Apache Derby 10.3 and above

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 - WebSphere Application Server V7.0.0.7
 - WebSphere MQ V6.0.2.3
 - WebSphere MQ V7.0.0.1
- **Web browser** -- Mozilla Firefox 3

Linux on x86 32-bit Systems

- **Operating systems**
 - Red Hat Enterprise Linux 5.0
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 - WebSphere MQ V7.0.0.1
- **Web browser** -- Mozilla Firefox 3
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Linux on x86 64-bit Systems

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- **Java** --IBM 64-bit SDK for Linux, Java 2 Technology Edition V6.0
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- Apache Derby 10.3 and above

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- **Application server** --WebSphere Application Server V7.0.0.7
- **JMS provider**
 - WebSphere Application Server V7.0.0.7
 - WebSphere MQ V6.0.2.3
 - WebSphere MQ V7.0.0.1
- **Web browser** -- Mozilla Firefox 3

Sun Solaris 10 (64-bit Systems only)

- **Java** --IBM 64-bit SDK for Linux, Java 2 Technology Edition V6.0
- **Databases**
 - DB2 V9.5
 - DB2 V9.7
 - Oracle 10g Standard/Enterprise Release 2
 - Oracle 11g Standard/Enterprise
 - Apache Derby 10.3 and above

Note: The Apache Derby database is only supported for development and test purposes as a repository for WebSphere Business Events project data, and is not supported for use with the database connector nor with the database fetcher functionality. It is not supported for use in any capacity in production.

- **Application server** --WebSphere Application Server V7.0.0.7
- **JMS provider**
 - WebSphere Application Server V7.0.0.7
 - WebSphere MQ V6.0.2.3
 - WebSphere MQ V7.0.0.1
- **Web browser** -- Mozilla Firefox 3

Windows Server 32-bit

- **Operating systems**
 - Microsoft Windows Server 2003 R2 32-bit
 - Microsoft Windows Server 2008 32-bit
- **Java** --IBM 32-bit SDK for Windows, Java 2 Technology Edition V6.0
- **Databases**
 - DB2 V9.5
 - DB2 V9.7
 - Oracle 10g Standard/Enterprise Release 2
 - Oracle 11g Standard/Enterprise
 - Microsoft SQL Server Enterprise 2005
 - Microsoft SQL Server Enterprise 2008
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 - Microsoft Internet Explorer 6.0
 - Microsoft Internet Explorer 7.0

Windows Server 64-bit

- **Operating systems**
 - Microsoft Windows Server 2003 R2 64-bit
 - Microsoft Windows Server 2008 64-bit
- **Java** --IBM 64-bit SDK for Windows, Java 2 Technology Edition V6.0

- **Databases**
 - DB2 V9.5
 - DB2 V9.7
 - Oracle 10g Standard/Enterprise Release 2
 - Oracle 11g Standard/Enterprise
 - Microsoft SQL Server Enterprise 2005
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 - Apache Derby 10.3 and above

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- **JMS provider**
 - WebSphere Application Server V7.0.0.7
 - WebSphere MQ V6.0.2.3
 - WebSphere MQ V7.0.0.1

- **Web browser**
 - Mozilla Firefox 3
 - Microsoft Internet Explorer 6.0
 - Microsoft Internet Explorer 7.0

Windows 32-bit

Note: The Runtime is supported for development and test purposes only

- **Operating systems**
 - Microsoft Windows XP SP2 32-bit
 - Microsoft Windows Vista Business SP1 32-bit
 - Microsoft Windows Vista Enterprise SP1 32-bit
- **Java** --IBM 32-bit SDK for Windows, Java 2 Technology Edition V6.0

- **Databases**
 - DB2 V9.5
 - DB2 V9.7
 - Oracle 10g Standard/Enterprise Release 2

- Oracle 11g Standard/Enterprise
- Microsoft SQL Server Enterprise 2005
- Microsoft SQL Server Enterprise 2008
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Windows 64-bit

Note: The Runtime is supported for development and test purposes only

- **Operating systems**

- Microsoft Windows XP SP2 64-bit
- Microsoft Windows Vista Business SP1 64-bit
- Microsoft Windows Vista Enterprise SP1 64-bit

- **Java** --IBM 64-bit SDK for Windows, Java 2 Technology Edition V6.0

- **Databases**

- DB2 V9.5
- DB2 V9.7
- Oracle 10g Standard/Enterprise Release 2
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The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as

a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Planning information

Direct customer support

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative or visit

<http://www.ibm.com/support>

Packaging

WebSphere Business Events for z/OS V7.0 includes:

- License Information document (GC34-7114)
- Program Directory (GI13-0554)
- WebSphere Business Events V7.0 for Windows DVD (LCD7-1814)
- WebSphere Business Events V7.0 product code on 3480 media - uncompressed media
- IPLA License Booklet (Z125-3301)

WebSphere Business Events eXtreme Scale V7.0 includes:

- License Document
- WebSphere Business Events eXtreme Scale Quickstart Guide
- WebSphere Business Events eXtreme Scale Quickstart Guide CD
- WebSphere eXtreme Scale V7.0 CDs
- WebSphere Business Events V7.0 DVDs
- The following products are provided with WebSphere Business Events V7.0 with restricted licenses. For information, refer to the WebSphere Business Events license agreement.
 - IBM DB2 Workgroup Edition V9.7 DVDs
 - WebSphere Application Server Network Deployment V7.0.0.7 DVDs
 - IBM Tivoli Access Manager V6.1 CDs
 - IBM Tivoli Directory Server V6.2 CDs
 - IBM Rational® Agent Controller V8.0 CD
 - IBM Tivoli Composite Application Manager for WebSphere Application Server V7.0 CDs
 - IBM DMZ Secure Proxy Server V7.0 CDs
 - IBM WebSphere Install Factory V7.0 CDs
 - IBM Support Assistant V4.0.2 CDs

WebSphere Business Events V7.0 includes:

- WebSphere Business Events Quickstart Guide
- WebSphere Business Events Quickstart Guide CD
- WebSphere Business Events V7.0 DVDs
- The following products are provided with WebSphere Business Events V7.0 with restricted licenses. For information, refer to the WebSphere Business Events license agreement.
 - IBM DB2 Workgroup Edition V9.7 DVDs
 - WebSphere Application Server Network Deployment V7.0 DVDs

- IBM Tivoli Access Manager V6.1 CDs
- IBM Tivoli Directory Server V6.1 CDs
- IBM Rational Agent Controller V8.0 CD
- IBM Tivoli Composite Application Manager for WebSphere Application Server V7.0 CDs
- IBM DMZ Secure Proxy Server V7.0 CDs
- IBM WebSphere Install Factory V7.0 CDs
- IBM Support Assistant V4.0.2 CDs

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

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

IBM Software Services for WebSphere (ISSW) is adept at putting the right team together, whether it is with customer personnel, with IBM Global Services, or with the global systems integrator of your choice, to support the successful deployment of WebSphere Business Events. ISSW brings product, technology, and best practices expertise that can make any implementation team more effective. As specialists in WebSphere products, we have the collective experience of hundreds of live customer implementations and hundreds of consultants globally to help ensure success.

ISSW professionals complement the project delivery team by providing deep insight into product technology and architecture as well as linkages back to the software development organization. ISSW services offerings are tailored to your needs. The services range from a full outsourced deployment to focused specialist services packages that enable you or your project team to address specific challenges.

ISSW can also assist you upgrading from earlier versions of WebSphere products. Any migration of applications requires proper planning, estimation, and timed execution. ISSW can assist by precisely assessing and evaluating your existing infrastructure and support system. ISSW has extensive, proven experience in successful product migrations.

IBM ISSW consultants:

- Have a mission of helping make WebSphere products successful.
- Minimize your migration risks. We've harnessed years of field experiences into a migration services program to help you migrate successfully.
- Provide deep technical skills on WebSphere and WebSphere Business Integration products.
- Bring "tried-and-true" best practices expertise to every engagement.

Packaged and custom service offerings are available, including specific predefined services offerings to get you off to a running start with WebSphere Business Events. ISSW offers technical, product-specific services for WebSphere software products in each of these four categories:

- Assess
 - Technical architecture sizing and planning

- Enterprise process integration strategy
- Mentoring and team augmentation
- Design
 - Design Workshop
 - Design Review
 - Mentoring and team augmentation
- Develop and deploy
 - External code reviews
 - Go-Live Support
 - Off-site development
 - Mentoring and team augmentation
 - Performance Tuning
 - Quality Assurance Reviews
- Maintain
 - Maintenance, enhancement, and operation support of the production environment Go-Live Support
 - Migration service
 - Full operational review

Visit the following Web sites to learn more about ISSW capabilities. Contact your ISSW Services sales specialist for specific information about services offerings for WebSphere Business Events. For more information, visit

<http://www.ibm.com/developerworks/websphere/services/services.html>

For the name of your ISSW Services sales specialist, visit

<http://www.ibm.com/WebSphere/developer/services/contacts.html>

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

Ordering information

These products are only available via Passport Advantage®. They are not available as shrinkwrap.

Product group: webSphere

Product Identifier	Description	(PID)
IBM webSphere Business Events		5724-U90
IBM webSphere Business Events eXtreme Scale		5724-V96

Product category: Application Integration Middleware Other

Charge metric

Program name	PID number	Charge metric
IBM WebSphere Business Events for z/OS V7.0	5655-w16	Value Unit

Program name	PID number	Charge unit description
IBM WebSphere Business Events V7.0	5724-U90	Processor Value Unit Processor Value Unit Linux on System z
IBM WebSphere Business Events extreme Scale V7.0	5724-V96	Processor Value Unit Processor Value Unit Linux on System z

Processor Value Unit (PVU)

PVU is a unit of measure by which this software product can be licensed. PVU entitlements are based on processor technology (defined within the PVU table² by processor vendor, brand, type and model number). IBM continues to define a processor, for purposes of PVU-based licensing, to be each processor core on a chip. Each software product has a unique price per PVU. To determine the total cost of deploying an individual software product in a specific hardware environment, you must take the following steps:

1. For each processor core in the hardware environment on which the software product is to be licensed, determine the PVU requirement based on its processor technology per the PVU table².
2. The PVU requirements for all processor cores in the hardware environment.
3. Multiply the software product's price per PVU by the total number of PVUs required as determined in step 2 above.

PVU entitlements are specific to a software product and may not be exchanged, interchanged, or aggregated with PVU entitlements of another software product.

Unless you have deployed eligible sub-capacity products according to the sub-capacity² terms, you must obtain PVU Proof of Entitlements (PoEs) for the maximum number of activated³ physical processor cores in the hardware environment made available to, or managed by, the software product. This is also referred to as full capacity licensing.

- 2** For information regarding PVU and sub-capacity licensing, including the latest PVU table, visit http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html
- 3** Activated processor cores are physical processor cores that are available for use in a server. They include processor cores:
- That are activated (available for use) when the server is shipped by the manufacturer
 - That are activated subsequently through activation codes purchased from the server manufacturer by the customer
 - Whose capacity can be limited by the customer through virtualization technologies, operating system commands and BIOS settings

Value Unit

Value Unit (VU) is the unit of measure by which this program is licensed. VU entitlements are based on the quantity of a specific designated measurement, either users or resources, for the given program. A Proof of Entitlement (PoE) must be obtained for the appropriate number of VUs required for your environment

as defined by the specific program terms. The VU entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with VU entitlements of another program. To understand these benefits of VU licensing, and to determine how many VUs to obtain for the program, contact your IBM representative.

The program in this announcement has Value Unit-based pricing.

Program number	Program name	Value Unit exhibit
5655-w16	webSphere Business Events for z/OS V7.0	VUE007

Value Unit exhibit VUE007

	MSUS minimum	MSUS maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

Ordering example

The total number of Value Units is calculated according to the following example.

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUs to value units

	MSUS	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries Web site at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

Product description	Product ID
IBM WebSphere Business Events	5724-U90

Passport Advantage

Here is the complete listing of part numbers for WebSphere Business Events V7.0.

Description	Part number
webSphere Business Events V7.0	
Per processor Value Unit	
License + S&S 12 months	D03ZPLL
Annual S&S Renewal 12 months	E04S0LL
S&S reinstatement 12 months	D03ZQLL
Per processor Value Unit Linux for System z	
License + S&S 12 months	D05MGLL
Annual S&S Renewal 12 months	E05K8LL
S&S reinstatement 12 months	D05MHLL

Here is the complete listing of part numbers for WebSphere Business Events eXtreme Scale V7.0.

Description	Part number
webSphere Business Events extreme Scale v7.0	
Per processor Value Unit	
License + S&S 12 months	D0594LL
Annual S&S Renewal 12 months	E05FTLL
S&S reinstatement 12 months	D0595LL
Per processor Value Unit Linux for System z	
License + S&S 12 months	D059GLL
Annual S&S Renewal 12 months	E05FYLL
S&S reinstatement 12 months	D059HLL

Passport Advantage customer: Media pack entitlement details

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

Media pack description	Part number
IBM WebSphere Business Events V7.0 Multiplatform Multilingual Media Pack	BA0X7ML
IBM WebSphere Business Events eXtreme Scale V7.0 Multiplatform English Media Pack	BA0X6ML

Basic license

On/Off CoD

WebSphere Business Events for z/OS V7.0 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name WebSphere Business Events for z/OS V7.0
Program PID 5655-w16

Entitlement identifier	Description	License option/Pricing metric
S015NH9	WebSphere Business Events for z/OS V7.0	Basic OTC, Per MSU-day TUC

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.20

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: WebSphere Business Events for z/OS V7.0
Program PID: 5655-w16

Entitlement identifier	Description	License option/Pricing metric
S015NH9	WebSphere Business Events for z/OS V7.0	Basic OTC, Value Units

Orderable supply ID	Language	Distribution medium
S015NH8	English	3480 tape uncompressed

Note: additional media type selections (3480 compressed, 3490E, 3590, 3592) are offered during Custom Build Offering ordering.

Subscription and Support PID: 5655-V55

Entitlement identifier	Description	License option/Pricing metric
S015H3W	WebSphere Business Events for z/OS Subscription and Support	Basic ASC, Value Units SW S&S No charge, decline SW S&S Per MSU SW S&S Registration

Orderable supply ID	Language	Distribution medium
S015H3T	English	Paper

Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance (IAASM). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge.

Note: You are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390® and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

Single version charging

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

Customized Offerings

Product deliverables are shipped only via Customized Offerings (for example, CBPDO, ServerPac, SystemPac®).

CBPDO and ServerPac are offered for Internet delivery, where ShopzSeries product ordering is available. Internet delivery of ServerPac may help improve automation and software delivery time. For more details on Internet delivery, refer to the ShopzSeries help information at

<http://www.software.ibm.com/ShopzSeries>

Media type for this software product is chosen during the Customized Offerings ordering process. Based on your customer environment, it is recommended that the highest possible density tape media is selected. Currently offered media types are:

- CBPDOs - 3480, 3480 Compressed, 3490E, 3590, 3592⁴
- ServerPacs - 3480, 3480 Compressed, 3490E, 3590, 3592⁴
- SystemPacs - 3480, 3480 Compressed, 3490E, 3590, 3592⁴

⁴ 3592 is highest density media. Selecting 3592 will ship the fewest number of media.

Once a product becomes generally available, it will be included in the next ServerPac and SystemPac monthly update.

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after inclusion in ServerPac.
- SystemPac shipments will begin four weeks after inclusion in SystemPac due to additional customization, and data input verification.

Terms and conditions

The information provided in this announcement is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

Terms and conditions for distributed products

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for subscription and support (also referred to as Software Maintenance) and does not require customer signatures.

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information form number

WebSphere Business Events V7.0

License L-APIG-7TQFUH

WebSphere Business Events eXtreme Scale V7.0

License L-APIG-7TPDFZ

The program's License Information will be available for review on the IBM Software License Agreement Web site

<http://www.ibm.com/software/sla/sladb.nsf>

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates, releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Authorization for use on home/portable computer

You may not copy and use this program on another computer without paying additional license fees.

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

For additional information, refer to the License Information document that is available on the IBM Software License Agreement Web site

<http://www.ibm.com/software/sla/sladb.nsf>

Software Subscription and Support (Software Maintenance) applies

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support (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, 7 days a week. For additional details, consult your *IBM Software Support Handbook* at

<http://www.ibm.com/support/handbook>

Software Subscription and Support (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 the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage Web site at

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

Yes. All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition may be elected.

Software Subscription and Support (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, visit the Passport Advantage Web site at

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

Other support

Passport Advantage

Variable charges apply

No

Educational allowance available

Not applicable.

Terms and conditions for host products

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for subscription and support and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

WebSphere Business Events for z/OS V7.0

License L-APIG-7TQFUH

The program's License Information will be available for review on the IBM Software License Agreement Web site

<http://www.ibm.com/software/sla/sladb.nsf>

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Subscription and Support is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Subscription and Support also provides you with access to updates, releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Authorization for use on home/Portable computer

You may not copy and use this program on another computer without paying additional license fees.

Volume orders (IVO)

No

Passport Advantage applies

No

Usage restriction

Yes. For additional information, refer to the License Information document that is available on the IBM Software License Agreement Web site

<http://www.ibm.com/software/sla/sladb.nsf>

Software Subscription and Support (Software Maintenance) applies

No

For Operating System software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/si/products>

IBM Operational Support Services - SoftwareXcel

Yes

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution customers.

Sub-capacity terms and conditions

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the Ordering information section.

Program number	Program name	Terms
5655-w16	websphere Business Events for z/OS v7.0	Execution-based

Full-capacity mainframes

In cases where full capacity is applicable, the following terms apply.

Execution-based, z/OS-based, full-machine based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

<http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/>

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Sub-capacity mainframes

In cases where sub-capacity is applicable, the following terms apply.

Execution-based: The required capacity of a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

z/OS-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Full- machine based: The required license capacity of a System z IPLA program with full- machine based terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to *The IBM System z Machines Exhibit, Z125-3901*, or visit the *Mainframes section of the System z Exhibits Web site*

<http://ibm.com/zseries/library/swpriceinfo/>

For more information on sub-capacity System z IPLA terms and conditions, refer to Software Announcement [204-184](#), dated August 10, 2004.

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex®. You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

- That meets the criteria defined in Hardware Announcement [198-001](#), dated January 13, 1998
- Where MLC pricing is aggregated across the sysplex

Sub-capacity eligibility

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems
- Any licenses for the OS/390 operating system must be discontinued
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing Web site

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).

- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

IBM Getting Started Sub-capacity Pricing for z/OS IPLA Software applies.

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the products own execution as reported to IBM in accordance with the requirements for reporting sub-capacity utilization for products.

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for Customer Initiated Upgrade and IBM eServer™ On/Off Capacity on Demand - Software (Z125-6611) must be signed prior to use.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

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If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

<https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller>

Information on charges is available at

<http://www.ibm.com/support>

Choose the option entitled Purchase/upgrade tools.

Program name: WebSphere Business Events for z/OS V7.0
Program PID: 5655-W16

Entitlement identifier	Description	License option/Pricing metric
S015NH9	WebSphere Business Events for z/OS V7.0	Basic OTC, Value Units
S015NH9	WebSphere Business Events for z/OS V7.0	Basic OTC, Per MSU-day TUC

Subscription and Support PID: 5655-V55

Entitlement identifier	Description	License option/Pricing metric
S015H3W	WebSphere Business Events for z/OS Subscription and Support	Basic ASC, Value Units SW S&S Decline SW S&S (no charge) Per MSU SW S&S Registration

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Corrections

(Corrected on November 19, 2009)

The term 'Business Framework' is replaced with 'role-based business spaces'. The Packaging section is revised.