



IBM WebSphere Business Events and now WebSphere Business Events eXtreme Scale extend business event processing to manage large volumes of events for insightful action

Table of contents

3	Key prerequisites	6	Publications
3	Planned availability dates	6	Technical information
3	Description	14	Ordering information
4	Product positioning	16	Terms and conditions
5	Statement of direction	19	IBM Electronic Services
5	Program number	20	Prices
5	Education support	20	Order now
6	Offering Information		

At a glance

WebSphere® Business Event V6.2

- Expands qualities of service for enterprise customers
 - Enables clustering support for high availability
 - Provides in-memory cache supporting business context at scale
 - Provides integration awareness and installs into existing WebSphere Application Server instances
- Exploits integration with the IBM® Business Process Management (BPM) and connectivity products to deliver business value
 - Supports direct bi-directional event exchange with WebSphere Message Broker and WebSphere ESB
 - Supports direct bi-directional event exchange with WebSphere Business Monitor
 - Enables automation of policy updates within WebSphere Business Services Fabric and WebSphere Dynamic Process Edition
 - Extends usage of WebSphere Service Registry and Repository to retrieve shared WebSphere portfolio artifacts
- Expands product capability for global reach, enabling business user tooling for Chinese (Simplified and Traditional), French, German, Italian, Japanese, Korean, Portuguese (Brazil), Spanish, and Russian
- Expands business user capabilities to use automatic data sharing across events
- Extends platform coverage to zLinux, pLinux, Solaris 10, and Windows® 2008

WebSphere Business Events eXtreme Scale V6.2

- Exploits WebSphere eXtreme Scale capability for high-event volume customers
- Provides robust in-memory cache supporting business context at scale
- Provides programming interface to access events to prepare them for Business Users

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 V6.2 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

- 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, and service oriented architecture (SOA) infrastructures

WebSphere Business Events eXtreme Scale V6.2, 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.

CICS® Transaction Server (CICS TS) and WebSphere Business Events interoperability

IBM will provide support for interoperation between WebSphere Business Events V6 and CICS TS V3. This capability will be delivered through a new CICS TS SupportPac™, available for download from the CICS Web site by year-end 2008 for all licensed users of CICS TS V3. This new CICS SupportPac will allow event points, which can be coded explicitly within the CICS TS application logic, to be implemented in CICS applications. This capability will position CICS TS as a key source for emitting business events in a format suitable for consumption by WebSphere Business Events.

CICS TS V3 customers will be able to use the new CICS SupportPac to emit events for WebSphere Business Events consumption with the confidence that this initial event support in CICS TS will be enhanced and integrated into the CICS TS runtime.

Key prerequisites

Supported platforms

- Microsoft® Windows Server
- IBM AIX®
- Red Hat including Linux® on System z®
- SuSE Linux including Linux on System z
- Sun Solaris

Planned availability dates

- **December 12, 2008**, electronic distribution
- **January 16, 2009**, media Pack

Description

WebSphere Business Events enables organizations to 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 graphical user interface provides the ability for business users to 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 interests 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 enabling

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
- High performance on a scalable server architecture (refer to the following text on WebSphere Business Events eXtreme Scale)

National languages support

Business user tooling is translated into Chinese (Simplified and Traditional), French, German, Italian, Japanese, Korean, Portuguese (Brazil), Spanish, and Russian.

WebSphere Business Events eXtreme Scale V6.2, an offering combining WebSphere Business Events and WebSphere eXtreme Scale, extends business event processing to customers with an extreme volume of business events flowing through their enterprise.

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

Product positioning

WebSphere Business Events is part of the BPM portfolio. It can also leverage 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 software capabilities around event processing that is offered in multiple other IBM brands.

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 total cost of ownership (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.

Statement of direction

IBM intends, by year-end 2009:

- To integrate into CICS TS and extend the eventing capability being delivered in the new CICS TS V3 SupportPac
- To provide new capability to enable business analysts and developers to instrument CICS business logic with WebSphere Business Events without changing the existing CICS applications

Licensed CICS TS users wishing to gain an early insight to this intended capability may apply to participate in the CICS Beta program by sending an email to CICSEP@uk.ibm.com.

With this statement of direction, all licensed users of CICS TS can plan to enable their CICS systems fully to participate in an event-enabled SOA, confident that the CICS portfolio of products continues to be well-aligned with SOA evolution.

Note: CICS TS and WebSphere Business Events are separately ordered and entitled products.

All statements regarding IBM plans, directions, and intent are subject to change or withdrawal without notice.

Program number

Program name	VRM	Program number
WebSphere Business Events	6.2.0	5724-U90
WebSphere Business Events Extreme Scale	6.2.0	5724-V96

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/ites.wss/tp/en?pageType=tp_search

IBM delivers a comprehensive portfolio of education services to help you successfully deploy and integrate WebSphere Application and Integration middleware products to their maximum potential.

Education is a key component to ensuring software success. The IBM education team is committed to providing the highest quality education available to help your company prosper in today's competitive marketplace. We take pride in our ability to deliver successful education programs that provide your people with the skills necessary to make your business profitable using IBM software.

The IBM education team works closely with IBM product developers and IBM services organizations to ensure that the courses we offer provide the most up-to-the-minute technical and product information. Our courses place an emphasis on the advanced knowledge and insight that only these sources can provide. We draw from a deep pool of IBM technical experience in the development of our courses, and pass that knowledge on to our students.

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>

Also, visit the Passport Advantage® Web site

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

Publications

WebSphere Business Events V6.2 documentation is shipped in an information center, available as a downloadable image or on the product CD. You can install a local copy of the information center using the WebSphere Business Event installation program.

WebSphere Business Events documentation will be 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/v6r1/index.jsp>

Technical information

Specified operating environment

Hardware requirements

WebSphere Business Events V6.2

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

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 requirements, visit

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

WebSphere Business Events eXtreme Scale V6.2

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

Solaris - Sun Microsystems SPARC processor machines (440MHz, or faster)

Microsoft Windows 2003

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

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 requirements, visit

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

Software requirements

WebSphere Business Events V6.2

AIX 6.1

- Java™ - IBM 64-bit SDK for AIX, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 1.5.0.12, or later

Linux for x86 systems on 32-bit systems

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 32-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Linux for x86 systems on 64-bit systems

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0

- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Linux for POWER Systems - 64-bit

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Linux for System z Systems on 64-bit Systems

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Solaris

- Operating system - Solaris 10
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.14, or later

Microsoft Windows 2003 and Windows 2008

- Operating systems
 - Windows Server 2003 R2 32-bit
 - Windows Server 2008 32-bit
 - Windows Server 2003 R2 64-bit
 - Windows Server 2008 64-bit
- Java
 - IBM 32-bit SDK for Windows, Java 2 Technology Edition V5.0 SR 6b
 - IBM 64-bit SDK for Windows on AMD64/EM64T architecture, Java 2 Technology Edition V5.0 SR 6b
- Database - SQLServer Enterprise 2005 (These are in addition to those listed in the **Common programs** section.)
- Web browser
 - Mozilla Firefox 2.0.0.16, or later
 - Microsoft Internet Explorer 6.0

Windows XP

Note: Runtime is supported for development and test only.

- Operating systems
 - Windows XP SP2 32-bit
 - Windows XP SP2 64-bit
- Java
 - IBM 32-bit SDK for Windows, Java 2 Technology Edition V5.0 SR 6b
 - IBM 64-bit SDK for Windows on AMD64/EM64T architecture, Java 2 Technology Edition V5.0 SR 6b
- Database - SQLServer Enterprise 2005 (in addition to those listed in the **Common programs**)

- Web browser
 - Mozilla Firefox 2.0.0.16, or later
 - Microsoft Internet Explorer 6.0

Common programs

- Databases
 - DB2® V9.5
 - Oracle 10g Standard/Enterprise Release 2
 - Apache Derby 10.3
- Application server - WebSphere Application Server V6.1.0.21 with Feature Pack for Web Services
- JMS provider
 - WebSphere Application Server V6.1.0.21
 - WebSphere MQ V6.0.2.3
- Design data tooling
 - Windows XP SP2
 - Windows Server 2003 R2
 - Windows 2008
- Runtime dashboards, consoles, and design tooling: supported Web browsers on supported platforms

For information, visit

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

The following programs support the integration features of WebSphere Business Events.

- WebSphere Business Monitor V6.1, V6.1.2, and V6.2
- WebSphere Business Services Fabric V6.1.2, and V6.2
- WebSphere Enterprise Service Bus V6.1 and V6.1.2
- WebSphere Message Broker V6.1.0.2
- WebSphere Service Registry and Repository V6.2.0.2
- WebSphere eXtreme Scale V6.1.0.4

Refer to the [Technical information](#) section of these products for specific support information.

WebSphere Business Events eXtreme Scale V6.2

AIX 6.1

- Java - IBM 64-bit SDK for AIX, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 1.5.0.12, or later

Linux for x86 systems on 32-bit systems

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 32-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Linux for x86 systems on 64-bit systems

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Linux for POWER Systems - 64-bit

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Linux for System z Systems on 64-bit Systems

- Operating systems
 - Red Hat Enterprise Linux 5.0
 - SUSE Linux Enterprise Server 10.0
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.16, or later

Solaris

- Operating system - Solaris 10
- Java - IBM 64-bit SDK for Linux, Java 2 Technology Edition V5.0 SR 6b
- Web browser - Mozilla Firefox 2.0.0.14, or later

Microsoft Windows 2003

- Operating systems
 - Windows Server 2003 R2 32-bit
 - Windows Server 2003 R2 64-bit
- Java
 - IBM 32-bit SDK for Windows, Java 2 Technology Edition V5.0 SR 6b
 - IBM 64-bit SDK for Windows on AMD64/EM64T architecture, Java 2 Technology Edition V5.0 SR 6b
- Database - SQLServer Enterprise 2005 (These are in addition to those listed in the **Common programs** section.)
- Web browser
 - Mozilla Firefox 2.0.0.16, or later
 - Microsoft Internet Explorer 6.0

Windows XP

Note: Runtime is supported for development and test only.

- Operating systems
 - Windows XP SP2 32-bit
 - Windows XP SP2 64-bit
- Java
 - IBM 32-bit SDK for Windows, Java 2 Technology Edition V5.0 SR 6b
 - IBM 64-bit SDK for Windows on AMD64/EM64T architecture, Java 2 Technology Edition V5.0 SR 6b
- Database - SQLServer Enterprise 2005 (in addition to those listed in the **Common programs** section)
- Web browser
 - Mozilla Firefox 2.0.0.16, or later
 - Microsoft Internet Explorer 6.0

Common programs

- Databases
 - DB2 V9.5
 - Oracle 10g Standard/Enterprise Release 2
 - Apache Derby 10.3
- Application server - WebSphere Application Server V6.1.0.21 with Feature Pack for Web Services
- JMS provider
 - WebSphere Application Server V6.1.0.21
 - WebSphere MQ V6.0.2.3
- Design data tooling
 - Windows XP SP2
 - Windows Server 2003 R2
 - Windows 2008
- Runtime dashboards, consoles, and design tooling: supported Web browsers on supported platforms

The following programs support the integration features of WebSphere Business Events eXtreme Scale V6.2:

- WebSphere Business Monitor V6.1, V6.1.2, and V6.2
- WebSphere Business Services Fabric V6.1.2, and V6.2
- WebSphere Enterprise Service Bus V6.1 and V6.1.2
- WebSphere Message Broker V6.1.0.2
- WebSphere Service Registry and Repository V6.2.0.2

Refer to the [Technical information](#) section of these products for specific support information. For information, visit

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

WebSphere Business Events eXtreme Scale is a Passport Advantage Offering distributed via electronic media and physical media packs. This release requires a fix pack download from the IBM Support Web site for a complete update of enhancements and APAR fixes.

IBM Professional Services are available to assist and mentor customers with the installation of the WebSphere Business Events eXtreme Scale to optimize the system setup and performance while removing risks around technology and capacity.

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 eXtreme Scale V6.2 includes:

- License Document
- WebSphere Business Events eXtreme Scale Quickstart Guide
- WebSphere Business Events eXtreme Scale Quickstart Guide CD
- IBM WebSphere Extended Deployment - eXtreme Scale V6.1 CDs (former name WebSphere Extended Deployment - Data Grid V6.1)
- WebSphere Business Events V6.2 CDs
- The following products are provided with WebSphere Business Events V6.2 with restricted licenses. For information, refer to the WebSphere Business Events license agreement.
 - DB2 Workgroup Edition V9.5 DVDs
 - WebSphere Application Server Network Deployment V6.1 CDs
 - IBM Tivoli® Access Manager V6.0 CDs
 - IBM Tivoli Directory Server V6.0 CDs
 - IBM Rational® Agent Controller V6.1 CD

WebSphere Business Events V6.2 includes:

- WebSphere Business Events Quickstart Guide
- WebSphere Business Events Quickstart Guide CD
- WebSphere Business Events V6.2 CDs
- The following products are provided with WebSphere Business Events V6.2 with restricted licenses. For information, refer to the WebSphere Business Events license agreement.
 - DB2 Workgroup Edition V9.5 DVDs
 - WebSphere Application Server Network Deployment V6.1 CDs
 - IBM Tivoli Access Manager V6.0 CDs
 - IBM Tivoli Directory Server V6.0 CDs
 - IBM Rational Agent Controller V6.1 CD

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

This product is only available via Passport Advantage. It is 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 unit description
WebSphere Business Events	5724-U90	Processor Value Unit Processor Value Unit Linux on System z
WebSphere Business Events eXtreme Scale	5724-V96	Processor value Unit Processor value Unit Linux on System z

Processor Value Unit (PVU): PVU is the unit of measure by which this program is licensed. PVU entitlements are based on processor families (vendors and brands). A Proof of Entitlement (PoE) must be obtained for the appropriate number of PVUs based on the level or tier of all processor cores activated and available for use by the Program on the server. Some programs allow licensing to less than the full capacity of the server's activated processor cores, sometimes referred to as sub-capacity licensing. For programs which offer sub-capacity licensing, if a server is partitioned utilizing eligible partitioning technologies, then a PoE must be obtained for the appropriate number of PVUs based on all activated processor cores available for use in each partition where the program runs or is managed by the program. Refer to the International Passport Advantage Agreement Attachment for Sub-Capacity Terms or the program's license information to determine applicable sub-capacity terms. The PVU entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with PVU entitlements of another program.

For general overview of PVUs for processor families (vendors and brands), go to

http://www-306.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

To calculate the exact PVU entitlements required for the program, go to

https://www-112.ibm.com/software/howtobuy/passportadvantage/valueunit_calculator/vucalc.wss

Product description	Product ID
WebSphere Business Events	5724-U90
WebSphere Business Events eXtreme Scale	5724-V96

Passport Advantage

Here is the complete listing of part numbers for WebSphere Business Events V6.2.

Description	Part Number
webSphere Business Events V6.2	
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 V6.2.

Description	Part number
webSphere Business Events eXtreme Scale V6.2	
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 V6.2 Multiplatform Multilingual Media Pack	BA0USML
IBM WebSphere Business Events eXtreme Scale V6.2 Multiplatform English Media Pack	BA0UIML

Sub-capacity

Description	Part number
WebSphere Business Events V6.2	
Per sub-capacity processor Value Unit	
License + S&S 12 months	D03ZRLL
Annual S&S Renewal 12 months	E04S1LL
S&S reinstatement 12 months	D03ZSLL
Per sub-capacity processor VU Linux on System z	
License + S&S 12 months	D05KCLL
Annual S&S Renewal 12 months	E05JILL
S&S reinstatement 12 months	D05KDLL
WebSphere Business Events extreme Scale V6.2	
Per sub-capacity processor Value Unit	
License + S&S 12 months	D059ALL
Annual S&S Renewal 12 months	E05FWLL
S&S reinstatement 12 months	D059BLL
Per sub-capacity processor VU Linux on System z	
License + S&S 12 months	D059NLL
Annual S&S Renewal 12 months	E05G1LL
S&S reinstatement 12 months	D059PLL

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