IBM WebSphere Business Events enables users to manage business events, flowing across systems and people, to deliver sense and react capabilities with actionable business insights

Overview

Business Event Processing (BEP) allows business users to define business events, those signals that something of interest has happened in the business and that triggers actions based on identified business event patterns. BEP allows business users to proactively define, analyze, and take action on changes occurring in the business to seize critical business opportunities or to mitigate risks.

WebSphere® Business Events is a software system designed specifically for managing the 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 detect, evaluate, and react 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 and pattern definition

- Business logic and business policies

- Correlation of business event patterns

- Task management and business event flow visualizations of charts, graphs, and dashboard layouts

Key features

- Enables straightforward expression of business policies and logic

- Understands business language and vernacular

- Senses business events and patterns and initiates the appropriate business actions

- Codeless, graphical authoring tools

- Simple and integrated visualization dashboard support

- Connects to existing islands of event information

- Supports both simple and complex business event pattern correlations

- Integrated development and execution system

- Installs as plug & play to extend your existing environments

- Operates with high performance and scalability

- Enhances existing Business Process Management (BPM) and service oriented architecture (SOA) infrastructures

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Key prerequisites

Supported operating systems

- AIX® V6.1

- Microsoft® Windows® Server 2003

- Linux™ for x86 Systems

- Microsoft Windows XP (required for business tools)

Planned availability dates

- **May 30, 2008:** Electronic distribution

- **June 13, 2008:** Media pack

For ordering, contact:

Your IBM representative or the Americas Call Centers at

800-IBM-CALL Reference: YE001

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 business relevant occurrences provides an interpretive bridge between islands of business event information and the people and processes related to them. As the patterns of business event behavior are defined, WebSphere Business Events delivers pertinent business insight back to the participating portions of the company so they can react and adapt as situations demand. WebSphere Business Events delivers business-focused functionality using four basic elements:

Tools for business event information source connections

Business event information resides within multiple places with an organization. The ability to connect, rationally detect and readily extract business event information is a key aspect of BEP. IT developers can locate and connect to these business event islands through various tools provided with this system. They are further enabled to leverage other technologies within BPM and SOA environments to deliver the business event information and definitions that business users need to identify patterns and scenarios.

Tools for business event definition and correlation

As the IT developers make the necessary connections available, the line-of-business analysts can apply their organizational, operational and business process knowledge towards how business events are defined and managed specifically for their company. The business analyst can define the relationships, patterns, correlations, and action definitions.

These business event and BEP definitions are described and stored using graphical, easy-to-use tools that are included with this system. Business users can then further enhance and extend these business event and BEP definitions to support complex business situations and scenarios. The tools provide the ability for business users to apply business concepts such as business vernacular, heuristics, business logic and business event correlations and relationships. The business users can accomplish these design and definition tasks by learning how to use the supplied tools without having to learn a programming language.

IBM BEP Engine

Once the initial business events are defined and implemented, the IBM BEP Engine starts collecting and sifting through business event information it receives from the connections that the IT developers have implemented. The engine sifts through the volumes of business event information it is receiving and associates only the relevant information that has been detected. It then decides whether the business event is pertinent to the pre-defined patterns and correlations that the business users has described and stored. This business information can be in short bursts of activity, combinations of multiple business events, and also correlations of multiple

business events occurring across longer processing windows and timelines. Upon sensing a critical business event or pattern, the engine will initiate a business action ranging from electronically notifying a business user that a critical business event that requires action has occurred to actually requesting or launching automated business processes.

Business insight delivery

The system delivers business insights and reaction capabilities through various methods. The line of business defines how it prefers to receive timely business insights through intuitive business user tools. It enables business users to visualize the business events that are occurring, both individually and in summary, to allow them to enact suitable responses. Business users can interact to both information and extended graphical representations that were defined in a fashion most appropriate to their specific organizational needs. The capacity to deliver this business event information in time is critical to successfully extracting the maximum business value from the business users' efforts and decisions.

Benefits of BEP

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

- An integrated environment to rapidly develop, deploy and manage BEP

- A codeless and graphical user interface designed to enable business persons to create and maintain the logic around BEP

- A plug & play implementation approach for leveraging existing business systems with minimal intrusion

- Comprehensive source and version control

- High performance on a scalable server architecture

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.

Trademarks

Other company, product, and service names may be trademarks or service marks of others.

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

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

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 V6.1 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

Technical information

Specified operating environment

Hardware requirements: A hardware platforms supporting one of the following operating systems is required:

- AIX® V6.1
- Microsoft® Windows® Server 2003 R2 32-bit
- Linux™ for x86 Systems on 32-bit Systems

Note: Microsoft Windows XP SP2® 32-bit is required for tooling.

Software requirements: The following operating systems are supported:

AIX V6.1

- Java™ — IBM 32-bit SDK for AIX, Java 2 Technology Edition V5.0
- Databases
  - DB2® V9.5
  - Oracle 10g Standard/Enterprise Release 2
  - Apache Derby 10.2.2
- Application server — WebSphere Application Server V6.1.0.13
- JMS provider
  - WebSphere Application Server V6.1.0.13
  - WebSphere MQ V6.0
- Internet browser — Mozilla Firefox 2.0
- Tools — Microsoft Windows XP SP2 32-bit

Microsoft Windows

- Microsoft Windows Server 2003 R2 32-bit
- Java — IBM 32-bit SDK for Windows, Java 2 Technology Edition V5.0
- Databases
  - DB2 V9.5
  - Oracle 10g Standard/Enterprise Release 2
  - Microsoft SQL Server Enterprise 2005
  - Apache Derby 10.2.2
- Application server — WebSphere Application Server V6.1.0.13
- JMS Provider
  - WebSphere Application Server V6.1.0.13
  - WebSphere MQ V6.0
- Internet browser
  - Mozilla Firefox 2.0
  - Microsoft Internet Explorer 6.0
- Tools — Microsoft Windows XP SP2 32-bit

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

- Databases
  - DB2 V9.5
  - Oracle 10g Standard/Enterprise Release 2
  - Apache Derby 10.2.2
- Application server — WebSphere Application Server V6.1.0.13
- JMS provider
  - WebSphere Application Server V6.1.0.13
  - WebSphere MQ V6.0
- Internet browser — Mozilla Firefox 2.0
- Tools — Microsoft Windows XP SP2 32-bit

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a read-me 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

Customer responsibilities

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 V6.1 is distributed via electronic download and a single physical media pack consisting of multiple CD-ROMs. 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/d eveloper/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.

```
Product group: WebSphere

  Product Identifier Description     (PID)
  WebSphere Business Events V6.1     5724-U90

Product category: Application Integration Middleware Other
```

Charge metric

```
                            PID        Charge unit
Program name                number     description

IBM WebSphere Business Events     5724-U90   Value Unit
```

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

```
Program
number     Program name                      Value Unit exhibit

5724-U90   WebSphere Business Events V6.1     VUE100

Product description                          Product ID

WebSphere Business Events V6.1               5724-U90
```

Passport Advantage

Here is the complete listing of part numbers for WebSphere Business Events V6.1.

```
Description                          Part number


WebSphere Business Events V6.1       D03ZPLL
 Per processor Value Unit
 License + SW maintenance 12 months

WebSphere Business Events V6.1       E04S0LL
 Per processor Value Unit
 Annual SW maintenance Renewal 12 months

WebSphere Business Events V6.1       D03ZQLL
 Per processor Value Unit
 SW maintenance reinstatement 12 months
```

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.

```
                                     Part
Media pack description               number

IBM WebSphere Business Events        BAOPSEN
 Multiplatform English Media Pack


Sub-capacity

                                     Part
Description                          number


WebSphere Business Events V6.1       D03ZRLL
 License + SW maintenance 12 months
 per sub-capacity processor Value Unit

WebSphere Business Events V6.1       E04S1LL
 Annual SW maintenance Renewal 12 months
 per sub-capacity processor Value Unit

WebSphere Business Events V6.1       D03ZSLL
 SW maintenance reinstatement 12 months
 per sub-capacity processor Value Unit
```

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License information form number — L-CBSZ-7BRSBI

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

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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.

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   and

2. For programs acquired under any of IBM 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 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 Maintenance applies: Yes. Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the 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.

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

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

IBM Operational Support Services — SoftwareXcel: No

Other support: Passport Advantage

System i™ Software Maintenance applies: No

Variable charges apply: No

Educational allowance available: Not applicable

Sub-capacity pricing terms and conditions

To be eligible for sub-capacity pricing, the machine on which the eligible products are installed and running must be eligible for sub-capacity pricing terms and conditions. Software pricing, at less than full-machine capacity for eligible products, apply when running:

- AIX 5L™ V5.1, or later, on an IBM eServer® pSeries® 690 or equivalent partition-capable operating system and machine
- OS/400® V5R1, or later, running on an IBM System i
- Linux running in an LPAR under AIX 5L V5.1, OS/400 V5R1, or in a partition on an equivalent partition-capable operating system and server

Sub-capacity pricing for eligible products is based on the current program pricing methodology,

but the number of processors will be determined based on the sum of processors for all partitions where the program is defined (used). To obtain pricing at less than full machine capacity for eligible products, you are required to:

- Install and use, when available, IBM's license use management program, which installs with eligible IBM programs.

- Install available updates to the operating system and eligible products such that license use can be accurately managed.

- Determine if the use of sub-capacity pricing terms results in a reduced requirement for entitlements; you can reallocate the entitlement difference by distributing entitlements across a larger or different set of systems, or reserve them for future growth. There will be no refunds for these freed up entitlements. Subscription, Software Maintenance and support volumes, and entitlements for existing contracts will continue at the same levels as the acquired licenses.

Prices

Passport Advantage

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

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https://www.ibm.com/software/howt
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