IBM WebSphere ILOG Business Rule Management Systems V7.1 offers new capabilities for authoring, managing, and deploying automated decision logic

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At a glance

WebSphere® ILOG® BRMS V7.1 for distributed systems offers the following new capabilities:

- Easier and more comprehensive rule authoring for business users
- Enhanced rule testing and simulation
- Improved rule execution performance and deployment options

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

Overview

The WebSphere ILOG Business Rule Management Systems (BRMS) product line is used to define, deploy, execute, monitor, and maintain the variety and complexity of business decision logic used by operational systems within an organization or enterprise.

WebSphere ILOG BRMS V7.1 builds on the strengths of IBM's market-leading offering to deliver:

- A comprehensive, collaborative solution that meets the needs of both technical and nontechnical stakeholders involved in managing operational decisions across the organization
- Easy, safe, and predictable management of decision logic throughout its entire life cycle, from initial development and deployment, through monitoring and maintenance due to ongoing change

Enhancements in WebSphere ILOG BRMS V7.1:

- Improved productivity for technical rule management participants (developers, architects, system administrators) in enabling business user functionality and deploying rule-based applications
- New capabilities for nontechnical rule management participants (business analysts and line-of-business experts) to facilitate the definition, validation, and governance of rules
- Performance improvements for deployed rule applications
Key prerequisites

For details, refer to the Hardware requirements section.

Planned availability date

- June 4, 2010, electronic software delivery for Passport Advantage® distributed-platform products
- June 18, 2010, media

Description

WebSphere ILOG BRMS manages the life cycle of business rules and allows business decision logic to be externalized from core application code and processes, thus allowing both technical developers and line-of-business experts to define and manage decision logic that drives the behavior of operational systems.

New and improved capabilities in WebSphere ILOG BRMS V7.1:

**WebSphere ILOG JRules V7.1** includes Rule Studio for Java™, a developer tool for creating rule-based decision services and for integrating business rules into any Java application or architecture, and Rule Execution Server for Java, which provides execution and services provisioning for those decision services on major J2EE application servers.

- Selective synchronization of a rule project between Rule Studio and Rule Team Server, allowing a technical user to choose a subset of the project for synchronization between the two environments
- Ruleset caching to improve the performance of deployed rule applications by eliminating unnecessary reloading of rulesets
- The ability to deploy Java-based rule applications to the .NET rule engine

**WebSphere ILOG Rules for .NET V7.1** includes Rule Studio for .NET, a developer tool for creating rule-based decision services and for integrating business rules into any .NET application or architecture, and Rule Execution Server for .NET, which provides execution and services provisioning for those decision services on the .NET platform.

WebSphere ILOG Rules for .NET V7.1 provides a rule testing sample, allowing developers to create test scenarios in Microsoft® Excel (2007), which business users can then use to verify that rule changes comply with a set of defined test cases. This sample guides developers in the creation of a customized, graphical testing interface. Business users can then populate these scenarios with test data and invoke the test execution directly from within Excel against the Rule Execution Server for .NET. Test scenario data (input, expected results, and actual results) and result status information are viewable with a single worksheet.

**WebSphere ILOG Rule Team Server V7.1** delivers an enterprise rule repository and line-of-business user tools for authoring, managing, and deploying business rule-based decisions. It supports projects initially created by either Rule Studio for Java or Rule Studio for .NET (Note: not all Rule Team Server features are enabled for .NET rule projects). WebSphere ILOG Rule Team Server installs on major J2EE application servers and also provides components for installing on Microsoft Windows® systems with Active Directory and SQL Server, using a Java capability embedded in the package.

- Addition of IBM's interactive, contextual Intellirule editor within Rule Team Server. The Intellirule editor was previously only available in the Rule Studio and Rule Solutions for Office products.
• A quick-edit capability for Rule Solutions for Office ruledocs, allowing a user in Rule Team Server to directly view and edit a rule in either Microsoft Office Excel or Word (2007) by clicking an icon within the Rule Team Server explorer window. This capability allows a user to use Rule Solutions for Office without having to use the publish to Rule Solutions for Office process. By using this quick-edit capability, the changes made in Rule Solutions for Office can be saved directly back to the Rule Team Server repository.

WebSphere ILOG Decision Validation Services V7.1 extends Rule Team Server with line-of-business focused testing and simulation capabilities for Java-based rule projects. Decision Validation Services installs onto Rule Team Server V7.0, or later. It also provides an additional auditing and reporting capability for the Rule Execution Server for Java. The Decision Warehouse component provides a query tool to easily find information on how rules are being executed in production applications and to tie that information back to the associated rule definition in Rule Team Server.

• Champion-challenger reports are now available when running simulations of rule changes against historical data. The champion-challenger capability allows for a side-by-side graphical comparison of two simulations, allowing business users to understand the business impact of rule changes against defined key performance indicators.
• Decision Validation Services test and simulation reports now include hyperlinks to rules and ruleflows executed, allowing business users to easily look at the associated rule definitions in Rule Team Server.


• Rule Solutions for Office ruledocs in Microsoft Word can now be used to edit ruleflow diagrams (previously these could only be viewed in the ruledoc). This allows a business user to author-edit both individual rules and to connect rules together in a defined execution sequence that meets a business objective.
• Rule Solutions for Office ruledocs can now be managed using WebDAV-compliant file systems, allowing business teams using ruledocs to collaborate in a controlled environment. With WebDAV protocol support, ruledocs access, authentication, and permissions can be defined, and ruledocs can be locked by users to avoid conflicts when making changes to them.

For the current list of languages supported, visit

http://www-01.ibm.com/software/websphere/ilog_supported_languages.html

Accessibility by people with disabilities

You can request a U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance at


Product positioning

WebSphere ILOG BRMS products help organizations increase their agility in responding to changing market and regulatory conditions by allowing decision logic changes to be easily and rapidly deployed, while also providing comprehensive governance capabilities to ensure that changes meet the needs of the organization and the systems which they affect. By using WebSphere ILOG BRMS, the following benefits can be realized:

• Reduce the time and resources required to deploy changes, lowering maintenance costs and accelerating responsiveness to new business requirements.
• Improve your understanding of how decisions control systems, ensuring compliance and enabling the sharing/reuse of decision logic across disparate applications and systems.
• Express decision logic with increased precision, increasing the profitability of the product, pricing, and promotional offerings.
• Author and maintain rules using nontechnical language, allowing business experts to be involved in the management of decision logic.
• Increase decision automation, improving process efficiency.
• Make decisions based on the specific context of a transaction, customer, or process activity, enabling highly customized when possible or standardized decisions when necessary.

The WebSphere ILOG BRMS products are designed to work with a variety of operating systems and IT infrastructure technologies, allowing WebSphere ILOG BRMS to act as a unifying component across an enterprise architecture. Further, WebSphere ILOG BRMS products complement the IBM Business Process Management (BPM) offerings, attaching to WebSphere Dynamic Process Edition, FileNet® Active Content Edition, and Lombardi TeamWorks. The combination of BPM WebSphere ILOG BRMS further increases organizational agility, by improving both the orchestration and oversight of the entire process and the handling of context-specific, highly variable decision points within the process.

### Program number

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<th>Program name</th>
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### Consulting and services

Professional Services are available to help clients get into production quickly and, if desirable, to assist with planning and growing into full-blown business integration solutions. These services can be provided through our IBM Business Partner community or through IBM Global Services.

To contact a Software Services sales specialist, visit

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

### Education support

Training is available for

• WebSphere ILOG JRules V7.1
• WebSphere ILOG Rule Team Server V7.1
• WebSphere ILOG Rules for .NET V7.1

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

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

Refer to the IBM WebSphere Education Web site for information on course locations and availability dates.
Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

The IBM WebSphere Education team delivers a comprehensive portfolio of education services to help customers and IBM Business Partners successfully deploy service-oriented architecture (SOA) and integrate WebSphere middleware products to achieve the maximum benefit.

Education is a key component to ensuring software success. A study by the IBM WebSphere Support Team has shown that a lack of training is the third most common cause of deployment issues for three years running. Our curriculum provides a unique training value built on exclusive product knowledge direct from IBM Developers cemented with expert instructors and flexible time and cost-saving training options. The IBM WebSphere Education team works closely with product developers and 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.

With over 200 courses across eight curriculums, WebSphere Education provides training that spans the spectrum of skills needs from introductory product overviews to advanced programming and administration. Hands-on labs let you work with fully functional versions of the software you are studying to round out your training experience. Several training options are available, including classroom, private customized courses, or instructor-led or self-paced online learning letting you train from your office without traveling.

For more information about available education offerings, visit

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

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

A Quick Start Guide is shipped with the products.

No other printed publications are shipped with the products.

The IBM Publications Center

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

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.
Technical information

Specified operating environment

Hardware requirements

- IBM AIX®: Any system from the IBM POWER family of processors
- HP-UX: PA-RISC processor, Intel® Itanium® 2 Processor
- Microsoft Windows: Intel Pentium® at 3 GHz for single core system, 2.4 GHz for dual core, or faster
- Solaris: Sun UltraSPARC processor at 440 MHz, or faster
- Sun Solaris x86-64: AMD Opteron or Intel EM64T (64-bit kernel support)

Minimum 1 GB physical memory; 2 GB recommended.

WebSphere ILOG JRules V7.1

Operating systems

- AIX 5.3 or 6.1
- HP-UX 11iv2 or 11iv3
- Red Hat Enterprise Linux® 4.0 (AS, ES, or WS)
- Red Hat Enterprise Linux 5.0, Advanced Platform 5.0, or Desktop 5.0
- Solaris 9 or 10
- SUSE Linux Enterprise Server 9.0 or 10.0
- Windows Server 2003
  - Data Edition R2
  - Data Edition Service Pack 1 or 2
  - Enterprise Edition R2
  - Enterprise Edition Service Pack 1 or 2
  - Standard Edition R2
  - Standard Edition Service Pack 1 or 2
- Windows Server 2008:
  - Standard Edition
  - Enterprise Edition
  - Datacenter Edition
- Windows Vista: Business, Enterprise, or Ultimate
- Windows XP (with Service Pack 2 or 3)

Java

- IBM 32-bit SDK for AIX 5.0 or 6.0
- IBM 64-bit SDK for AIX 5.0 or 6.0
- HP SDK 5.0 or 6.0 (32-bit and 64-bit, HP-UX)
- IBM 32-bit SDK for Linux (x86) 5.0 or 6.0
- IBM 64-bit SDK for Linux (x86) 5.0 or 6.0
- Oracle JRockit for Linux x86 5.0 or 6.0
- Oracle JRockit for Linux x86-64 5.0 or 6.0
- Sun JDK for Linux x86 5.0 or 6.0
- Sun JDK for Linux x86-64 5.0 or 6.0
- IBM 32-bit SDK for Solaris 5.0 or 6.0
• IBM 64-bit SDK for Solaris 5.0 or 6.0
• Sun JDK for Solaris SPARC 5.0 or 6.0
• Sun JDK for Solaris x86 5.0 or 6.0
• Sun JDK for Solaris x86-64 5.0 or 6.0
• IBM 32-bit SDK for Windows 5.0 or 6.0
• Sun JDK for Windows x86 5.0 or 6.0
• Sun JDK for Windows x86-64 5.0 or 6.0
• Oracle JRockit for Windows x86 5.0 or 6.0
• Oracle JRockit for Windows x86-64 5.0 or 6.0

Databases

• Apache Derby 10.4 and the version shipped with WebSphere Application Server
• MySQL 5.0
• Oracle 10g or 11g
• PostgreSQL 8.3
• Microsoft SQL Server 2005 and 2008 (Microsoft Windows: 32-bit and 64-bit)
• Sybase 12.5 or 15
• IBM DB2® for Linux, UNIX®, and Windows 8.2, 9.1, or 9.5

Database drivers

• Apache Derby 10.4 and the version shipped with WebSphere Application Server: Derby JDBC Provider (XA)
• MySQL 5.0: MySQL Connector/J 5.0
• Oracle 10g and 11g: Oracle 10g and 11g JDBC (XA) Driver
• PostgreSQL 8.3: JDBC3 Postgresql Driver
• SQL Server 2005: WebLogic Type 4 JDBC Driver for SQL Server (Linux, Solaris, and Windows), Microsoft SQL Server 2005 JDBC Driver 1.2 (HP-UX, Linux, Solaris, and Windows), and Microsoft SQL Server JDBC Driver 2.0 (Windows)
• SQL Server 2008: Microsoft SQL Server JDBC Driver 2.0 (Windows)
• IBM DB2 for Linux, UNIX, and Windows 8.2, 9.1, and 9.5: DB2 Universal JDBC Provider (XA) 2.8 (type 4), and WebLogic Type 4 JDBC Driver for DB2

Internet browsers (32-bit and 64-bit)

• Microsoft Internet Explorer 6.0, 7.0, or 8.0 (Windows)
• Mozilla Firefox 2.0 or 3.0 (Linux and Windows)

Applications servers

• Apache Tomcat 6.0 (Linux and Windows)
• JBoss 5.0.0, or later, or 4.2.3 (HP-UX, Linux, Solaris, Windows)
• Sun Java System Application Server 8.2 (Linux, Solaris, Windows)
• WebLogic Server 9.2.3, 10.0.1, or later patch release, or 10.3
• WebSphere Application Server 6.1.0.21, or later patch release, or 7.0.0.x, WebSphere Application Server Community Edition 2.1.1.3 or later patch release
• WebSphere Process Server 6.1, 6.2, or 7.0, or later patch release
• WebSphere Extended Deployment 6.1

Tools

• Eclipse 3.4
• RAD 7.5.3 or later patch release, RSA 7.5.3 or later patch release, WID 6.2, 7.0, WebSphere Business Modeler 6.2 or 7.0
WebSphere ILOG Rule Team Server V7.1

Operating systems

• AIX 5.3 or 6.1
• HP-UX 11i v2 or 11i v3
• Red Hat Enterprise Linux 4.0 (AS, ES, or WS)
• Red Hat Enterprise Linux 5.0, Advanced Platform 5.0, or Desktop 5.0
• Solaris 9 or 10
• SUSE Linux Enterprise Server 9.0 or 10.0
• Windows Server 2003
  - Data Edition R2
  - Data Edition Service Pack 1 or 2
  - Enterprise Edition R2
  - Enterprise Edition Service Pack 1 or 2
  - Standard Edition R2
  - Standard Edition Service Pack 1 or 2
• Windows Server 2008:
  - Standard Edition
  - Enterprise Edition
  - Datacenter Edition
• Windows Vista: Business, Enterprise, or Ultimate
• Windows XP (with Service Pack 2 or 3)

Java

• IBM 32-bit SDK for AIX 5.0 or 6.0
• IBM 64-bit SDK for AIX 5.0 or 6.0
• HP SDK 5.0 or 6.0 (32-bit and 64-bit, HP-UX)
• IBM 32-bit SDK for Linux (x86) 5.0 or 6.0
• IBM 64-bit SDK for Linux (x86) 5.0 or 6.0
• Oracle JRockit for Linux x86 5.0 or 6.0
• Oracle JRockit for Linux x86-64 5.0 or 6.0
• Sun JDK for Linux x86 5.0 or 6.0
• Sun JDK for Linux x86-64 5.0 or 6.0
• IBM 32-bit SDK for Solaris 5.0 or 6.0
• IBM 64-bit SDK for Solaris 5.0 or 6.0
• Sun JDK for Solaris SPARC 5.0 or 6.0
• Sun JDK for Solaris x86 5.0 or 6.0
• Sun JDK for Solaris x86-64 5.0 or 6.0
• IBM 32-bit SDK for Windows 5.0 or 6.0
• Sun JDK for Windows x86 5.0 or 6.0
• Sun JDK for Windows x86-64 5.0 or 6.0
• Oracle JRockit for Windows x86 5.0 or 6.0
• Oracle JRockit for Windows x86-64 5.0 or 6.0

Databases

• Apache Derby 10.4 and the version shipped with WebSphere Application Server
• MySQL 5.0
• Oracle 10g or 11g
• PostgreSQL 8.3
• SQL Server 2005 or 2008 (Microsoft Windows: 32-bit and 64-bit)
• Sybase 12.5 or 15
• DB2 for Linux, UNIX, and Windows 8.2, 9.1, or 9.5

Database drivers
• Apache Derby 10.4 and the version shipped with WebSphere Application Server: Derby JDBC Provider (XA)
• MySQL 5.0: MySQL Connector/J 5.0
• Oracle 10g and 11g: Oracle 10g or 11g JDBC (XA) Driver
• PostgreSQL 8.3: JDBC3 Postgresql Driver
• SQL Server 2005: WebLogic Type 4 JDBC Driver for SQL Server (Linux, Solaris, and Windows), and Microsoft SQL Server 2005 JDBC Driver 1.2 (HP-UX, Linux, Solaris, and Windows), or Microsoft SQL Server JDBC Driver 2.0 (Windows)
• SQL Server 2008: Microsoft SQL Server JDBC Driver 2.0 (Windows)
• DB2 for Linux, UNIX, and Windows 8.2, 9.1, and 9.5: DB2 Universal JDBC Provider (XA) 2.8 (type 4), and WebLogic Type 4 JDBC Driver for DB2

Internet browsers (32-bit and 64-bit)
• Microsoft Internet Explorer 6.0 or 7.0 (Windows)
• Mozilla Firefox 2.0 or 3.0 (Linux and Windows)

Applications servers
• Apache Tomcat 6.0 (Linux and Windows)
• JBoss 5.0.0 or later patch release, or 4.2.3 (HP-UX, Linux, Solaris, Windows)
• Sun Java System Application Server 8.2 (Linux, Solaris, Windows)
• WebLogic Server 9.2.3, 10.0.1 or later patch release, or 10.3
• WebSphere Application Server 6.1.0.21 or later patch release, or 7.0.0.0 or later patch release, WebSphere Application Server Community Edition 2.1.2.3 or later patch release
• WebSphere Process Server 6.1. 6.2, 7.0 or later patch release
• WebSphere Extended Deployment 6.1

**WebSphere ILOG Decision Validation Services V7.1**

Operating systems
• AIX 5.3 or 6.1
• HP-UX 11i v2 or 11i v3
• Red Hat Enterprise Linux 4.0 (AS, ES, or WS)
• Red Hat Enterprise Linux 5.0, Advanced Platform 5.0, or Desktop 5.0
• Solaris 9 or 10
• SUSE Linux Enterprise Server 9.0 or 10.0
• Windows Server 2003
  − Data Edition R2
  − Data Edition Service Pack 1 or 2
  − Enterprise Edition R2
  − Enterprise Edition Service Pack 1 or 2
  − Standard Edition R2
  − Standard Edition Service Pack 1 or 2
Windows Server 2008:
- Standard Edition
- Enterprise Edition
- Datacenter Edition

Windows Vista: Business, Enterprise, or Ultimate

Windows XP (with Service Pack 2 or 3)

Java

- IBM 32-bit SDK for AIX 5.0 or 6.0
- IBM 64-bit SDK for AIX 5.0 or 6.0
- HP SDK 5.0 or 6.0 (32-bit and 64-bit, HP-UX)
- IBM 32-bit SDK for Linux (x86) 5.0 or 6.0
- IBM 64-bit SDK for Linux (x86) 5.0 or 6.0
- Oracle JRockit for Linux x86 5.0 or 6.0
- Oracle JRockit for Linux x86-64 5.0 or 6.0
- Sun JDK for Linux x86 5.0 or 6.0
- Sun JDK for Linux x86-64 5.0 or 6.0
- IBM 32-bit SDK for Solaris 5.0 or 6.0
- IBM 64-bit SDK for Solaris 5.0 or 6.0
- Sun JDK for Solaris SPARC 5.0 or 6.0
- Sun JDK for Solaris x86 5.0 or 6.0
- Sun JDK for Solaris x86-64 5.0 or 6.0
- IBM 32-bit SDK for Windows 5.0 or 6.0
- Sun JDK for Windows x86 5.0 or 6.0
- Sun JDK for Windows x86-64 5.0 or 6.0
- Oracle JRockit for Windows x86 5.0 or 6.0
- Oracle JRockit for Windows x86-64 5.0 or 6.0

Databases

- Apache Derby 10.4
- MySQL 5.0
- Oracle 10g or 11g
- PostgreSQL 8.3
- SQL Server 2005 or 2008 (Microsoft Windows: 32-bit and 64-bit)
- Sybase 12.5 or 15
- DB2 for Linux, UNIX, and Windows 8.2, 9.1, or 9.5

Database drivers

- Apache Derby 10.4: Derby JDBC Provider (XA)
- MySQL 5.0: MySQL Connector/J 5.0
- Oracle 10g and 11g: Oracle 10g or 11g JDBC (XA) Driver
- PostgreSQL 8.3: JDBC3 Postgresql Driver
- SQL Server 2005: WebLogic Type 4 JDBC Driver for SQL Server (Linux, Solaris, and Windows), Microsoft SQL Server 2005 JDBC Driver 1.2 (HP-UX, Linux, Solaris, and Windows), or Microsoft SQL Server JDBC Driver 2.0 (Windows)
- SQL Server 2008: Microsoft SQL Server JDBC Driver 2.0 (Windows)
- DB2 for Linux, UNIX, and Windows 8.2, 9.1, or 9.5: DB2 Universal JDBC Provider (XA) 2.8 (type 4), or WebLogic Type 4 JDBC Driver for DB2
Internet browsers (32-bit and 64-bit)
- Microsoft Internet Explorer 6.0, 7.0, or 8.0 (Windows)
- Mozilla Firefox 2.0 or 3.0 (Linux and Windows)

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- Apache Tomcat 6.0 (Linux and Windows)
- JBoss 5.0.0, or later patch release, or 4.2.3 (HP-UX, Linux, Solaris, Windows)
- Sun Java System Application Server 8.2 (Linux, Solaris, Windows)
- WebLogic Server 9.2.3, 10.0.1, or later patch release, or 10.3
- WebSphere Application Server 6.1.0.21 or later patch release, or 7.0.0.0 or later patch release, WebSphere Application Server Community Edition 2.1.1.3 or later patch release
- WebSphere Process Server 6.1, 6.2, 7.0 or later patch release
- WebSphere Extended Deployment 6.1

Tools
Microsoft Office 2003 with SP3 or Office 2007 SP1 is required for defining Excel test scenarios

WebSphere ILOG Rules for .NET V7.1

Operating systems
- Windows Vista (32-bit and 64-bit)
- Windows XP (32-bit and 64-bit)

Databases
- Microsoft SQL Server 2005 (Enterprise, Standard, Express, Workgroup, or Developer Edition)
- Microsoft SQL Server 2008 (Enterprise, Standard, Express, Workgroup, or Developer Edition)

Internet browsers (32-bit and 64-bit)
- Microsoft Internet Explorer 6.0, 7.0, or 8.0 (Windows)
- Mozilla Firefox 2.0 or 3.0 (Linux and Windows)

WebSphere Rule Solutions for Office V7.1

- Microsoft Office 2007 (Professional, or Enterprise Edition) SP1

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.

Limitations
Refer to Usage restriction section, or to the License Information document that is available on the IBM Software License Agreement Web site
Planning information

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

http://www.ibm.com/support

Packaging
The WebSphere ILOG product packages comprise:

- Product CD-ROMs, DVDs, or both
- Printed Quick Start Guide

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.

Security, auditability, and control

IBM WebSphere ILOG products use the security and auditability features of the host software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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.

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: Application and Integration Middleware
Product Identifier Description (PID)

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Product category: WebSphere
### Charge metric

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</table>

### Processor Value Unit (PVU)

Processor Value Unit (PVU) is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology, defined within the PVU Table by processor, vendor, brand, type, and model number at the following Web site, and the number of processors made available to the program:


IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

Licensee can deploy the program using either Full Capacity licensing or Virtualization Capacity (Sub-Capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (see Web page below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at:


An Activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

**Note:** Express and Workgroup programs may be licensed with maximum use terms. In that case, the following applies: The maximum authorized use terms and conditions for PVU licensed IBM Express and Middleware Programs can be found in the IBM Express and Middleware Licensing Guide.

**Note:** Some programs may require licenses for the program and what is being managed. In that case, the following applies: In addition to the entitlements
required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

**Note:** Some programs may be licensed on a managed basis only. In that case, the following applies: Instead of the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

**Note:** A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies: Rather than obtaining entitlements for the activated processor cores available to the program, Licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.

**Resource Value Unit (RVU)**

Resource Value Unit (RVU) is a unit of measure by which the program can be licensed. RVU Proofs of Entitlement are based on the number of units of a specific resource used or managed by the program. Licensee must obtain sufficient entitlements for the number of RVUs required for Licensee’s environment for the specific resources as specified in the table below. RVU entitlements are specific to the program and the type of resource and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program or resource.

**Note:** Some programs may require licenses for the resources available to and the resources being managed by the program. In that case, the following applies: In addition to the entitlements required for the resources used by the program directly, Licensee must obtain entitlements for this program sufficient to cover the resources managed by the program.

**Note:** Some programs may be licensed on a managed basis only. In that case, the following applies: Instead of the entitlements required for the resources used by the program directly, Licensee must obtain entitlements for this program sufficient to cover the resources managed by the program.

**Authorized User**

Authorized User is a unit of measure by which the program can be licensed. An Authorized User is a unique person who is given access to the program. The program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User accessing the program in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

**Note:** Some programs may be licensed where devices are considered users. In that case the following applies: Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the program or that is otherwise managed by the program is considered a separate user of the program and requires an entitlement as if that device were a person.

The programs in this announcement have Value Unit-based pricing.

5724-X98 IBM WebSphere ILOG JRules
5724-Y00 IBM WebSphere ILOG Rule Team Server
5724-Y02 IBM WebSphere ILOG Rules for .NET
5724-X99 IBM WebSphere ILOG Decision Validation Services
### Passport Advantage

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>WebSphere ILOG JRules PVU License + SW S&amp;S 12 Months</td>
<td>D0965LL</td>
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<tr>
<td>WebSphere ILOG JRules PVU Annual SW S&amp;S Renewal</td>
<td>E06XCLL</td>
</tr>
<tr>
<td>WebSphere ILOG JRules PVU SW S&amp;S Reinstall 12 Months</td>
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<td>WebSphere ILOG JRules RVU License + SW S&amp;S 12 Months</td>
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<td>WebSphere ILOG Rule Team Server BVU SW S&amp;S Renewal</td>
<td>E06WRLL</td>
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<td>WebSphere ILOG Rule Team Server BVU SW S&amp;S Reinstate</td>
<td>D0CTULL</td>
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<td>D095VLL</td>
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<td>WebSphere ILOG Rules for .NET PVU Annual SW S&amp;S</td>
<td>E06X1LL</td>
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<td>WebSphere ILOG Rules for .NET PVU SW S&amp;S Reinstall 12 Months</td>
<td>D095HLL</td>
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<tr>
<td>WebSphere ILOG Rule Solutions for Office Authorized User Annual SW S&amp;S Renewal</td>
<td>D0CTVLL</td>
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<tr>
<td>WebSphere ILOG Rule Solutions for Office Authorized User Lic + SW S&amp;S 12 Months</td>
<td>E08PKLL</td>
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<td>WebSphere ILOG Rule Solutions for Office Authorized User SW S&amp;S Reinstall 12 Months</td>
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### 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.

#### Entitled maintenance offerings

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<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>IBM WebSphere ILOG JRules</td>
<td>B800GML</td>
</tr>
<tr>
<td>IBM WebSphere ILOG Rules for .NET</td>
<td>B800HML</td>
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<tr>
<td>IBM WebSphere ILOG Rule Team Server</td>
<td>B800IML</td>
</tr>
<tr>
<td>IBM WebSphere ILOG Decision Validation Services</td>
<td>B800JML</td>
</tr>
<tr>
<td>IBM WebSphere ILOG Rule Solutions for Office</td>
<td>B800KML</td>
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#### Media packs

<table>
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<th>Description</th>
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<tr>
<td>IBM WebSphere ILOG JRules V7.1 for Multiplatform Multilingual Media Pack</td>
<td>B800GML</td>
</tr>
<tr>
<td>IBM WebSphere ILOG Rules for .NET V7.1 for Windows Multilingual Media Pack</td>
<td>B800HML</td>
</tr>
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<td>IBM WebSphere ILOG Rule Team Server V7.1 for Multiplatform Multilingual Media Pack</td>
<td>B800IML</td>
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<tr>
<td>IBM WebSphere ILOG Decision Validation Services</td>
<td>B800JML</td>
</tr>
</tbody>
</table>
Cross-platform product for use on System z® Integrated Facility for Linux (IFL) engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z Integrated Facility for Linux (IFL) engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

<table>
<thead>
<tr>
<th>Program name/Description</th>
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<tr>
<td>WebSphere ILOG JRules for Linux on</td>
<td>D0963LL</td>
</tr>
<tr>
<td>System z PVU License + Sw S&amp;S 12 Months</td>
<td>E06XBLL</td>
</tr>
<tr>
<td>System z PVU Annual Sw S&amp;S Renewal</td>
<td></td>
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<tr>
<td>WebSphere ILOG JRules for Linux on</td>
<td>D0964LL</td>
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<td>System z PVU Sw S&amp;S Reinstall 12 Months</td>
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<tr>
<td>WebSphere ILOG Decision Validation Services</td>
<td>D095JLL</td>
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<td>Linux z PVU License + Sw S&amp;S 12 Months</td>
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<td>WebSphere ILOG Decision Validation Services</td>
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<td>PVU Sw S&amp;S Reinstall 12 Months</td>
<td></td>
</tr>
</tbody>
</table>

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