IBM WebSphere ILOG Business Rule Management System for z/OS, V7.1 brings new capabilities for authoring, managing, and deploying automated decision logic

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At a glance

WebSphere® ILOG® Business Rule Management Systems (BRMS) for z/OS®, V7.1 brings 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: LE001).

Overview

The WebSphere ILOG Business Rule Management System (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 for z/OS, 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 for z/OS, V7.1:

- Improved productivity for technical rule management participants (developers, architects, and 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 and Software requirements sections.

Planned availability date

June 25, 2010

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 for z/OS, V7.1 are as follows:

WebSphere ILOG JRules for z/OS, 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 Rule Team Server for z/OS, V7.1 delivers an enterprise rule repository and line-of-business user tools for authoring, managing, and deploying business rule-based decisions.

- 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 for z/OS, 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.

**WebSphere ILOG Rules for COBOL V7.1** improves the ability to define, maintain, and govern decision logic used in COBOL-based applications. Rules for COBOL is ideal for companies that deploy business rules in COBOL, but want to benefit from the latest BRMS technology. The rules in a COBOL application can be incrementally migrated to a central business rule repository for external management, even directly by business users, and still be executed in COBOL code.

- Rules for COBOL now provides reporting of errors incurred during rule authoring and suggestions for resolution of the errors.
- Rules for COBOL generates Enterprise COBOL.

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


**Value Unit-based pricing**

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

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

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

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

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost
To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool Web site

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

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

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

**Product positioning**

WebSphere 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.

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## Consulting and services

Professional Services are available to help your 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 consulting teams.

To contact a Software Services sales specialist, visit

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

For additional information on capabilities, contact an IBM Global Services representative. For further information, visit

http://www.ibm.com/services

## Education support

Training is available for:

- WebSphere ILOG JRules V7.1
- WebSphere ILOG Rule Team Server 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 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

Business Partner information

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


Publications

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
Any IBM System z processor (or equivalent) capable of running the required level of
operating system, that has enough storage to meet the combined requirements of
the programming prerequisites, IBM WebSphere ILOG for z/OS products, the access
methods, and the application programs.

Software requirements
z/OS V1.9, or later
WebSphere Application Server for z/OS, V6.0, V6.1, or V7.0
DB2® for z/OS, V8.1 or V9.1
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**

Direct customer support is provided for IBM WebSphere ILOG for z/OS products by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

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**

The IBM WebSphere ILOG for z/OS product packages contain:

- IBM WebSphere ILOG for z/OS products on DVD
- License Information booklet

**Security, auditability, and control**

IBM WebSphere ILOG for z/OS 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**

**Charge metric**

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VU Value Unit

VU Value Unit is the unit of measure by which this program is licensed. VU Value Unit entitlements are based on the quantity of a specific designated measurement, either users or resources, for the given program. A Proof of Entitlement (PoE) must be obtained for the appropriate number of VU Value Units required for your environment as defined by the specific program terms. The VU Value Unit entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with VU Value Unit entitlements of another program. To understand these benefits of VU Value Unit licensing, and to determine how many VU Value Units to obtain for the program, contact your IBM representative.

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

Program number | Program name | Value Unit Exhibit
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5655-V82 | IBM WebSphere ILOG JRules for z/OS V7.1 | VUE007
5655-V84 | IBM WebSphere ILOG Rule Team Server for z/OS V7.1 | VUE007
5655-V87 | IBM WebSphere ILOG Rules for COBOL V7.1 | VUE007
5655-V89 | IBM WebSphere ILOG Decision Validation Services for z/OS V7.1 | VUE007

Ordering z/OS through the Internet

After June 25, 2010, you can download the WebSphere ILOG z/OS products from the IBM Web Management Web site. Visit


Basic license

On/Off Capacity on Demand (CoD)

IBM WebSphere ILOG for z/OS, V7.1 products are eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

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Orderable supply ID Language Distribution medium
S015L49 English --

Subscription and Support

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

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

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

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

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

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

Single version charging

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

Customized Offerings

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

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

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

Media type for this software product is chosen during the Customized Offerings ordering process. Based on your customer environment, it is recommended that the highest possible density tape media is selected. Currently offered media types are:
• CBPDOs - 3480, 3480 Compressed, 3490E, 3590, 3592
• ServerPacs - 3480, 3480 Compressed, 3490E, 3590, 3592
• SystemPacs - 3480, 3480 Compressed, 3490E, 3590, 3592

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

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

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

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

Terms and conditions

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

Licensing

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

Agreement for Acquisition of Software Maintenance

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

• IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

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

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

License Information form number

IBM WebSphere ILOG Rules for COBOL 7.1: L-ASAY-83ZCXJ

The programs’ License Information will be available for review on the IBM Software License Agreement Web site


Limited warranty applies

Yes
**Limited warranty**

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

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

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

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

**Program support**

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months’ notice.

**Money-back guarantee**

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

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

**Authorization for use on home/portable computer**

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

**Volume orders (IVO)**

No

**Passport Advantage applies**

No

**Usage restriction**

Yes. Usage is limited to the quantity of Value Units licensed.

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


**Software Subscription and Support applies**

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.
This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

http://www.ibm.com/services/sl/products

**IBM Operational Support Services -- SoftwareXcel**

No

**System i Software Maintenance applies**

No

**Variable charges apply**

Yes

**Educational allowance available**

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

**Sub-capacity terms and conditions**

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

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

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

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-V82</td>
<td>IBM WebSphere ILOG JRules for z/OS V7.1</td>
<td>Execution based</td>
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<td>IBM WebSphere ILOG Decision Validation Services for z/OS V7.1</td>
<td>Execution based</td>
</tr>
</tbody>
</table>

**Full-capacity mainframes**

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

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

For more information on mainframe MSU-rated capacities, visit

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

**Sub-capacity mainframes**

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

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

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

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

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

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

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

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

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

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

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

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

**Sub-capacity eligibility**

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

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

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

http://ibm.com/zseries/swprice

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

• The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
• The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

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

**Sub-capacity utilization determination**

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

**On/Off Capacity on Demand (CoD)**

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

**IBM Electronic Services**

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

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

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

To learn how Electronic Services can work for you, visit

http://www.ibm.com/support/electronic

**Prices**

For additional information and current prices, contact your local IBM representative.

Program name: IBM WebSphere ILOG JRules for z/OS, V7.1  
Program PID:  5655-V82

<table>
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<th>Entitlement identifier</th>
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<th>Pricing metric</th>
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<td>Basic OTC, per MSU-day TUC</td>
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</table>

Subscription and Support PID: 5655-V83

Program name: IBM WebSphere ILOG Rule Team Server for z/OS, V7.1  
Program PID:  5655-V84

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Subscription and Support PID: 5655-V85

Program name: IBM WebSphere ILOG Rules for COBOL, V7.1  
Program PID:  5655-V87

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<th>Pricing metric</th>
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<td>IBM WebSphere ILOG Rules for COBOL V7.1</td>
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</tr>
</tbody>
</table>

Subscription and Support PID: 5655-V88

Program name: IBM WebSphere ILOG Decision Validation Services for z/OS, V7.1  
Program PID:  5655-V89
Entitlement identifier | Description                          | License option/ Pricing metric |
---|---|---|
S015L3X | IBM WebSphere ILOG Decision Validation Services for z/OS V7.1 | Basic OTC, per Value Unit Basic OTC, per MSU-day TUC |

Subscription and Support PID: S655-V90

Entitlement identifier | Description                          | License option/ Pricing metric |
---|---|---|
S015L47 | IBM WebSphere ILOG Decision Validation Services for z/OS S&S | Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration |

Subscription and Support

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

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

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

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

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

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

For current prices, visit http://www.ibm.com/support

Choose the option entitled Purchase/upgrade tools.

**Variable charges:** The applicable processor-based one-time charge will be based on the group of the designated machine on which the program is licensed for use. If the program is designated to a processor in a group for which no charge is listed, the charge of the next higher group listed applies. For movement to a machine in a higher group, an upgrade charge equal to the difference in the then-current charges between the two groups will apply. For movement to a machine in a lower group, there will be no adjustment or refund of charges paid.

**IBM Global Financing**

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers.
or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

http://www.ibm.com/financing

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Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

Order now

To order, contact the Americas Call Centers or your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

Phone: 800-IBM-CALL (426-2255)
Fax: 800-IBM-FAX (426-6329)
For IBM representative: callserv@ca.ibm.com
For IBM Business Partner: pwswna@us.ibm.com
Mail: IBM Teleweb Customer Support
ibm.com® Sales Execution Center, Americas North
3500 Steeles Ave. East, Tower 3/4
Markham, Ontario
Canada
L3R 2Z1

Reference: LE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

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For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page