



IBM WebSphere Operational Decision Management for z/OS , V8.0 provides end-to-end, rule, lifecycle support for decisions used in CICS and IMS COBOL applications

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At a glance

WebSphere® Operational Decision Management for z/OS,® V8.0 provides capabilities to:

- Detect events and event patterns in real-time to enable situational awareness and response of actionable situations.
- Automate the response of highly variable decisions based on the specific context of a process, transaction, or interaction.
- Manage and govern rules-based decision logic separately from application code in order to provide better visibility, understanding, and maintainability compared to traditional application development.
- Integrate with a number of other z/OS technologies to create comprehensive decision management solutions like CICS® , COBOL, and IMS™ .

Overview

IBM® WebSphere Operational Decision Management for z/OS , V8.0, the next generation of business rules technology, delivers comprehensive automation and governance of operational decisions that control the actions of critical business systems. This offering provides end-to-end lifecycle support for business decisions invoked from COBOL applications including capabilities for decision testing and simulation within the zRule Execution Server for z/OS environment and the ability to trace the execution of how a business decision was made in zRule Execution Server through the decision warehouse feature.

WebSphere Operational Decision Management for z/OS provides multiple business rule execution choices for z/OS customers, including a business rule deployment option for Enterprise COBOL batch applications which can run stand-alone or hosted within a CICS 4.x region. And new in WebSphere Operational Decision Management for z/OS , V8.0 is the support for decision evaluation within an IMS batch COBOL application (support of IMS V10 and above) with the zRule Execution Server for z/OS .

WebSphere Operational Decision Management for z/OS and WebSphere Business Rules for z/OS enable organizations in virtually every industry to improve the quality of transaction and process-related decisions that are made repeatedly within mainframe applications, determining the appropriate course of action for each customer, partner, and internal interaction:

- Automate, govern, and improve operational decision-making across applications for better business outcomes.
- Make more profitable decisions with real-time detection of opportunities and risks.
- Easily, safely, and reliably implement changes in order to meet new market demands or policy requirements.
- Perform incremental modernization of existing CICS and IMS COBOL batch applications without a complete re-write and incrementally modernize existing z applications.
- Facilitate consistent decision evaluation across platforms, projects, and processes providing the ability to reuse business models between rule projects in z/OS and distributed applications.

For ordering, contact Your IBM representative or an IBM Business Partner. For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255). Reference: LE001

Key prerequisites

IBM System z® or equivalent hardware system capable of running z/OS V1.11, or later.

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

Planned availability date

June 22, 2012

Description

The ability to effectively automate decision making within and across operational systems is imperative for maximizing organizational efficiency, increasing employee productivity, and improving the quality of actions that are made repeatedly in the course of the business day. In many cases, making the best decision at a given moment requires an understanding of a number of different factors, including:

- Business policies
- Internal and external requirements
- Organizational best practices
- Interactions taking place over time and across the enterprise

WebSphere Operational Decision Management (WODM) for z/OS , V8.0 addresses decision automation challenges by enabling organizations to build highly flexible, adaptable solutions that can detect and react to data patterns as they occur within a specified time period, as well as provide the appropriate decision response to transactional and process-oriented business systems.

New in WODM for z/OS , V8, the supplied COBOL stub has been extended so that an application can seamlessly be configured to call either a zRES stand alone, deployed in CICS or in WAS for z/OS without any code changes. An extra option has been added to the decision service stub that allow it to be configured to select a preconfigured WebSphere Optimized Local Adpater (WOLA) pipe to route a

rule invocation request through to a WAS for z/OS . On the receiving side zRule Execution Server (zRES) transparently receives the request, invokes the rule execution in WAS for z/OS and returns the result to the calling application, via WOLA again, with no need for any customer Java™ coding as was previously required. The zRES is configured such that the full high availability and scalability capabilities of WAS for z/OS are available for rule execution.

This newly extended stub allows the decision of deployment option for rule execution to be taken in isolation from the development of the client calling code. This allows the best possible deployment option to be selected for a particular application deployed in CICS , z/OS batch or an IMS Batch Message Processing region and then potentially altered if requirements change at a later date with no need for recoding of the client application.

The offering is built on market-leading, IBM business rules management technology (formally WebSphere ILOG® Business Rule Management System), enhanced with the IBM capabilities for detecting time-based events in order to drive more responsive actions to business opportunities or risk conditions (formally WebSphere Business Events).

WebSphere Operational Decision Management for z/OS , V8.0 consists of two orderable products, which together form a comprehensive platform for the management and execution of business rules and business events:

- **WebSphere Decision Center for z/OS , V8.0** -- provides an integrated repository and management components for line-of-business, subject-matter experts to directly participate in the definition and governance of rules-based decision logic. Through the capabilities of WebSphere Decision Center, business, and IT functions can work collaboratively, aligning the entire organization in the implementation of automated decisions and accelerating the maintenance lifecycle as they evolve based on new external and internal requirements.
- **WebSphere Decision Server for z/OS , V8.0** -- provides the run-time components to automate event and rule-based-decision logic on mainframe systems. It enables the detection of actionable business situations and the response of precise decisions based on the specific context of an interaction. With WebSphere Decision Server, organizations can monitor a business network to discover and take action on event-based data patterns, as well as process information against hundreds or even thousands of business rules in order to determine how to respond within both front-end and back-end systems.

WebSphere Decision Server for z/OS provides specific runtimes designed to handle the unique aspects of business rule and business event execution. For business rule execution, three separate run-time options are provided, allowing development teams to choose a deployment strategy that best fits their mainframe applications and architecture.

A separate product offering, WebSphere Business Rules for z/OS , provides the same business rule execution capabilities that are packaged within WebSphere Decision Server for z/OS , improving automation and maintainability of rule-based decision logic.

- WebSphere Business Rules for z/OS , V8.0 provides the business-rules-specific, run-time components of WebSphere Decision Server, for applications that are focused on decision automation and do not require event-based data pattern detection. Three different rule execution options are provided, allowing development teams to build business rule solutions that meet the specific needs of their mainframe applications and architecture.

WebSphere Operational Decision Management for z/OS and WebSphere Business Rules for z/OS enable the creation of applications to intelligently automate a wide range of decisions. Some examples of these kinds of decision management applications include:

- Product and promotional offers
- Eligibility and pricing determinations

- Case and customer prioritizations
- Risk assessments and fraud determinations

These products provide the ability to adapt quickly to changing conditions, align across business and IT, and act with precision and reliability.

For the current list of languages supported, visit

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

Accessibility by people with disabilities

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

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

Value Unit-based pricing

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

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

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

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

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

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

<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

Decision management is an approach combining software and expertise to increase the value of the frequent customer, partner, and internal interactions that take place within and across business systems. It involves both being able to make the best possible decision at the current moment based on data and situational context, as well as being able to use data to discover insights that can be used to continually improve decisions over time.

These decisions may be fully automated (for example, through an online application or a self-service point-of-sale system) or they may be used to provide decision support to people (for example, through a system used at a call center, branch or store location, or in the back-office).

There are two primary technology areas that fit within the decision management concept:

- Operational Decision Management - Focuses on the automation and governance of frequently occurring, repeatable decisions that control the actions of critical business systems. The principal IBM mainframe offering in this area is WebSphere Operational Decision Management for z/OS .
- Analytic Decision Management - focuses on the transformation of data into predictive insight and prescriptive recommendations that can be utilized to improve repeatable decisions. The principal IBM offerings in this area are SPSS® Decision Management and ILOG Optimization Decision Manager Enterprise.

While these two technology areas are highly complementary, they can be used separately or together as part of a decision management solution. Each area brings a different focus to improving process and transactional decisions.

WebSphere Operational Decision Management for z/OS provides the power to intelligently automate a wide range of decisions across applications, uniting market-leading IBM capabilities for business rules management and business event processing in order to drive more responsive actions to business opportunities or risk conditions. By enhancing market-leading IBM business rules repository to also govern event-based decisions, this offering gives organizations comprehensive capabilities to define and maintain the logic that will drive the actions of critical business systems.

WebSphere Operational Decision Management for z/OS , V8.0 lets business users test rule changes and to design test scenarios against their z/OS structures to validate the business rule changes prior to deployment. It strengthens simulation analysis enabling use with z/OS file structures. This release streamlines the decision development experience for z/OS developers and allows them to deploy a decision based solution with the least amount of new (Java) skills required.

In addition, with this release, a standard API for COBOL applications is provided to invoke rules independent of Decision Server deployment and the configuration options are extended to include capability to call the Rule Execution Server (RES) on WebSphere Application Server for z/OS via a WebSphere Optimized Local Adapter connector.

Benefits of migrating to WebSphere Operational Decision Management for z/OS , V8.0

What is new and of interest for customers of existing precursor products who have current Software Subscription and Support agreements is as follows:

For WebSphere Operational Decision Management for z/OS and WebSphere Business Rules for z/OS customers:

- Decision testing and simulation within the zRule Execution Server environment

- Ability to trace the execution of how a decision was made in zRule Execution Server through the decision warehouse feature
- Decision evaluation with IMS batch applications, providing the ability to call from a batch application to a zRule Execution Server on z/OS
- Streamlined process for making changes to the COBOL copybook that defines the data model, removing Java steps
- End-to-end support provided for COBOL applications accessing decisions hosted on WebSphere Application Server for z/OS
- Support of WebSphere Application Server on z/OS , V8.0

For WebSphere Business Events for z/OS customers:

- Comprehensive decision governance capabilities from market-leading IBM rule repository, designed to allow nontechnical subject matter experts to maintain decision logic and easily collaborate with IT for deployment to production systems
- Eclipse-based Event Designer development tooling for business event applications replacing multiple proprietary development tools
- Business rule execution for decisions requiring large numbers of inter-related conditions with multiple deployment options for business rule execution

For WebSphere ILOG BRMS z/OS customers:

- Multiple release management with the ability to view differences and merge changes across project releases
- Business event definition and execution for decisions requiring stateful monitoring of data and correlation of data patterns to determine actionable business situations
- WebSphere Application Server for z/OS license (supporting program limited use) for the Rule Execution Server on WebSphere Application Server for z/OS and the Event Execution Runtime.
- A new run-time component, zRule Execution Server for z/OS , which can run either stand-alone on z/OS or within a CICS Transaction Server

Program number

Program number	VRM	Program name
5655-Y17	8.0.0	IBM WebSphere Operational Decision Management for z/OS
5655-Y31	8.0.0	IBM WebSphere Business Rules for z/OS

Product identification number

WebSphere Operational Decision Management for z/OS , V8.0

Program PID number	Subscription and Support PID number
5655-Y17	5655-Y08

WebSphere Business Rules for z/OS , V8.0

Program PID number	Subscription and Support PID number
5655-Y31	5655-ILH

Additional information

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>

Business Partner information

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

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=212-101>

Education support

IBM delivers a comprehensive portfolio of education services to help customers successfully deploy and integrate 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. IBM delivers 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 education offerings, visit

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

Offering Information

Product information is available via the Offering Information website

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

Publications

The following publication is shipped with this program:

- WebSphere Operation Decision Management for z/OS, V8.0 -- Program Directory (GI11-9605)
- WebSphere Business Rules for z/OS, V8.0 -- Program Directory (GI11-9606)

The documentation for WebSphere Operation Decision Management for z/OS, V8.0 is provided as an information center.

For product family infocenter

<http://pic.dhe.ibm.com/infocenter/dmanager/v8r0/index.jsp>

For Decision Center infocenter

<http://pic.dhe.ibm.com/infocenter/dcentrbu/v8r0/index.jsp>

For Rule Execution Server Console infocenter

<http://pic.dhe.ibm.com/infocenter/resohelp/v8r0/index.jsp>

The information center will be available on June 22, 2012.

Technical information

Specified operating environment

Hardware requirements

IBM System z processor, including z10™, and zEnterprise™ or an equivalent hardware system capable of running z/OS 1.11, or later.

Software requirements

Visit the following website for a complete detailed list of hardware and software requirements for WebSphere Decision Server for z/OS, V8.0, WebSphere Decision Center for z/OS, V8.0, and WebSphere Business Rules for z/OS, V8.0:

<http://www.ibm.com/support/docview.wss?uid=swg27024348>

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](#) in the [Terms and conditions](#) section of this announcement, or to the License Information document that is available on the IBM Software License Agreement website

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

Planning information

Direct customer support

Direct customer support is provided 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 WebSphere Decision Server for z/OS , V8.0 product package includes:

- Products on 3590 tape
- WebSphere Decision Server Windows™ DVDs
- License Information for Decision Server (GC34-2733)
- Program Directory (GI11-9605) - WebSphere Operational Decision Management for z/OS , V8.0
- Program Directory (GI11-9850) - WebSphere Application Server for z/OS , V8.0

The WebSphere Decision Center for z/OS , V8.0 product package includes:

- Products on 3590 tape
- WebSphere Decision Center Windows DVD
- License Information for Decision Center (GC34-2734)
- Program Directory (GI11-9605) - WebSphere Operational Decision Management for z/OS , V8.0
- Program Directory (GI11-9850) - WebSphere Application Server for z/OS , V8.0

The WebSphere Business Rules for z/OS , V8.0 product package includes:

- Products on 3590 tape
- WebSphere Business Rules Decision Server Windows DVDs
- License Information for WebSphere Business Rules for z/OS (GC34-2735)
- Program Directory (GI11-9606) - WebSphere Business Rules for z/OS , V8.0
- Program Directory (GI11-9850) - WebSphere Application Server for z/OS , V8.0

This program, when downloaded from a website, 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

WebSphere Operational Decision Management for z/OS , V8.0 and WebSphere Business Rules for z/OS , V8.0 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

Program name	PID number	Charge metric
IBM WebSphere Operational Decision Management for z/OS, v8.0	5655-Y17	Value Unit
IBM WebSphere Business Rules for z/OS, v8.0	5655-Y31	Value Unit

The programs in this announcement all have Value Unit-Based pricing.

Program number	Program name	Value unit exhibit
5655-Y17	WebSphere Operational Decision Management for z/OS, v8.0	VUE007
5655-Y31	WebSphere Business Rules for z/OS, v8.0	VUE007

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

Value Unit exhibit VUE007

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

Value Units for mainframes without MSU ratings:

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

Ordering example

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

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

Translation from MSUs to value Units

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

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

Ordering z/OS through the Internet

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

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

5655-Y17 WebSphere Operational Decision Management
for z/OS, V8.0

5655-Y08 WebSphere Operational Decision Management for z/OS
Software Subscription and Support

5655-Y31 WebSphere Business Rules for z/OS, V8.0

5655-ILH WebSphere Business Rules for z/OS
Software Subscription and Support

Basic license

On/Off CoD

WebSphere Operational Decision Management for z/OS , V8.0 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name: webSphere Operational Decision Management
for z/OS, V8.0

Program PID: 5655-Y17

Entitlement identifier	Description	License option/ Pricing metric
S0170BV	webSphere Decision Server for z/OS	Basic OTC, Per MSU-day TUC
S0170BP	webSphere Decision Center for z/OS	Basic OTC, Per MSU-day TUC

WebSphere Business Rules for z/OS , V8.0 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name: WebSphere Business Rules for z/OS, V8.0
 Program PID: 5655-Y31

Entitlement identifier	Description	License option/ Pricing metric
S0170DB	WebSphere Business Rules for z/OS	Basic OTC, Per MSU-day TUC

Translation from MSUS to Value Units

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

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

Program name: WebSphere Operational Decision Management
 for z/OS, V8.0
 Program PID: 5655-Y17

Entitlement identifier	Description	License option/Pricing metric
S0170BV	WebSphere Decision Server for z/OS	Basic OTC, Value Units
S0170BV	WebSphere Decision Server for z/OS Trade-up from WebSphere ILOG Business Rules for z/OS	Basic OTC, Value Units

Orderable supply ID	Language	Distribution medium
S0170BS	US English	3590 tape cartridge uncomp

Entitlement identifier	Description	License option/Pricing metric
S0170BP	WebSphere Decision Center for z/OS	Basic OTC, Value Units

Orderable supply ID	Language	Distribution medium
S0170BW	US English	3590 tape cartridge uncomp

Program name: WebSphere Business Rules for z/OS, V8.0
 Program PID: 5655-Y31

Entitlement identifier	Description	License option/Pricing metric
S0170DB	WebSphere Business Rules for z/OS	Basic OTC, Value Units

Orderable supply ID	Language	Distribution medium
S0170DC	US English	3590 tape cartridge uncomp

Subscription and Support PID: 5655-Y08

Entitlement identifier	Description	License option/Pricing metric
S016VN6	WebSphere Decision Server for z/OS Subscription and Support	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S Registration
Orderable supply ID	Language	Distribution medium
S016VN9	US English	Hardcopy publication

Entitlement identifier	Description	License option/Pricing metric
S016VN7	WebSphere Decision Center for z/OS Subscription and Support	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S Registration
Orderable supply ID	Language	Distribution medium
S016VNC	US English	Hardcopy publication

Subscription and Support PID: 5655-ILH

Entitlement identifier	Description	License option/Pricing metric
S016H0M	WebSphere Business Rules for z/OS Subscription and Support	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S Registration
Orderable supply ID	Language	Distribution medium
S016H0N	US English	Hardcopy publication

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. 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.

Customized Offerings

Product deliverables are shipped only via CBPDO, ServerPac, SystemPac® .

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

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

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, and SystemPac , include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS can be ordered via all three offerings at general availability. 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 general availability
- SystemPac shipments will begin four weeks after general availability 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 program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

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

License Information form number

- WebSphere Operational Decision Management for z/OS , V8.0:
 - WebSphere Decision Center for z/OS , V8.0: L-ASAY-8R5LQP
 - WebSphere Decision Server for z/OS , V8.0: L-ASAY-8R5LSF
- WebSphere Business Rules for z/OS , V8.0: L-ASAY-8R5LUB

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

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

Limited warranty applies

Yes

Limited warranty

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

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

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

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

Program 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.

Other terms**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 website

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

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

Yes

Other support

SoftwareXcel

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

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

Sub-capacity terms and conditions

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

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

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

Program number	Program name	Terms
5655-Y17	WebSphere Operational Decision Management for z/OS, v8.0	Execution-based
5655-Y31	WebSphere Business Rules for z/OS, v8.0	Execution-based

Full-capacity mainframes

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

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

For more information on mainframe MSU-rated capacities, visit

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

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

Sub-capacity mainframes

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

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

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

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

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

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

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

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 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 website

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

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

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

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

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

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the 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 IBM System z On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered destroyed or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

Prices

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

Information on charges is available at

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

Choose the option entitled Purchase/upgrade tools.

Program name: WebSphere Operational Decision Management for z/OS, v8.0

Program PID: 5655-Y17

Entitlement identifier	Description	License option/Pricing metric
S0170BV	WebSphere Decision Server for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S0170BP	WebSphere Decision Center for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-Y08

S016VN6	WebSphere Decision Server for z/OS Subscription and Support	Basic ASC, Value Units SW S&S No charge, decline SW S&S Per MSU SW S&S Registration
S016VN7	WebSphere Decision Center for z/OS Subscription and Support	Basic ASC, Value Units SW S&S No charge, decline SW S&S Per MSU SW S&S Registration

Program name: WebSphere Business Rules for z/OS, v8.0

Program PID: 5655-Y31

S0170DB	WebSphere Business Rules for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
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Subscription and Support PID: 5655-ILH

S016H0M	WebSphere Business Rules for z/OS Subscription and Support	Basic ASC, Value Units SW S&S No charge, decline SW S&S Per MSU SW S&S Registration
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Corrections

(Corrected on October 2, 2012)

The Ordering information section is revised.