IBM Operational Decision Manager for z/OS, V8.7.1 offers improved deployment options, authoring experiences, and operational diagnostics

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At a glance

IBM® Operational Decision Manager (IBM ODM) V8.7.1 delivers new capabilities that further enhance the business user experience and delivers end-to-end management of runtime artifacts that include:

- Simpler deployment operations with Execution Object Model (XOM) management that is now available in Decision Center
- Easier and dynamic management of user roles
- Improved change management and governance
- Improved user experience in the Business Console
- More dynamic control of when and what diagnostic information is captured
- Rule Execution servers enabled to operate in WebSphere® Application Server environments that use the Liberty profile
- Decision-related, user exit support for zRule Execution Servers (zRES)

Overview

Smarter Process is the IBM approach for reinventing business operations to enable greater customer-centricity in the age of mobile, social, cloud, and big data. This approach drives greater efficiency and optimization in to end-to-end processes through software capabilities, such as operational decision management, business process management, and case management.

IBM ODM for z/OS®, V8.7.1 enhances the Smarter Process portfolio by enabling your clients to identify business situations and make decisions faster. It provides a comprehensive and easy-to-use platform that allows them to detect situations in real time, capture, automate, and manage frequently occurring, repeatable business decisions. As a result, they can better identify opportunities, respond to market demands, minimize risks, and operate consistently. To be effective, decision management needs to execute in production environments with minimal resource impact and optimal execution performance.
**New capabilities in Version 8.7.1 for Decision Center and Decision Server Rules**

- Simpler deployment operations with support for XOM archive management in Decision Center that can be used as a single point of deployment for decision services.
- Easier and dynamic management of user roles in Decision Center.
- Improved change management and governance allowing business users to create simulations and report outcome all within validation activities.
- More control over when diagnostic information is captured and the granularity of that information.
- Rule Execution Servers enabled to operate in WebSphere Application Server environments that use the Liberty profile, which offers major reductions in memory and start time requirements to provide web service, RESTful services, and rule testing endpoints as well as to host RES Consoles.
- Decision-related, user exit capabilities are enabled for the zRule Execution Servers. This extends the current capabilities of the zRES API for advanced users.

IBM ODM supports organizations in virtually every industry by:

- Automating and governing operational decision making across business processes and applications to help improve business insight and outcomes consistently.
- Helping detect opportunities and risks in real time.
- Easily and consistently helping business stakeholders to implement, test, and deploy decision changes to meet new market demands and policy requirements.
- Understanding how business decisions that drive operations are made.
- Applying decisions consistently across applications.

**Key prerequisites**

IBM z Systems™ processor, which includes IBM System z10®, IBM zEnterprise®, IBM z13™, or an equivalent hardware server that is capable of running z/OS V2.1 or V1.13.

For details, refer to the Technical information section.

**Planned availability date**

May 29, 2015

Refer to the Availability of national languages section for national language availability.

**Description**

The ability to effectively automate decision making within and across business systems helps maximize organizational efficiency. This helps to increase employee productivity, and improve the quality and consistency of operational decisions that are made repeatedly in the course of the business day.

IBM ODM for z/OS, V8.7.1 helps address decision-automation challenges by enabling organizations to build highly flexible, adaptable solutions that can detect and react to threats and opportunities and quickly adapt to changing business conditions. IBM ODM for z/OS, V8.7.1 provides extended control to stakeholders to help manage
the automated decisions for which they are responsible. IBM ODM for z/OS, V8.7.1 enables business policy updates to be more easily managed and governed.

IBM ODM for z/OS, V8.7.1 includes:

• Easier management of custom user roles in Decision Center
  An administrator can dynamically define new roles without modifying and restarting the Decision Center application or the application server.

• Improved change management and governance
  Business users can define or reuse simulations in validation activities and report outcome of these simulations as a mean to validate a decision service release.

• Additional enhancements to the Business Console to help improve the user experience
  The breadcrumb bar for navigation is extended and redesigned so that it is more intuitive and consistent across elements. The test reports for decision services also benefit from an improved layout.

• Dynamic control over diagnostic information
  Collecting diagnostic information from a production environment can be both challenging and disruptive. The goal is to collect the specific information related to the problem and to do so without disrupting the environment. IBM ODM for z/OS, V8.7.1 provides more control over when the information is collected and the granularity of that information without requiring a restart of the server.

IBM ODM V8.7.1 supports asynchronous access to the Decision Warehouse on z/OS to facilitate the retention of execution information without forcing the application to wait for the write to complete.

• Ability to utilize a WebSphere Application Server Liberty profile for Rule Execution Servers (RES) on z/OS
  IBM ODM for z/OS, V8.7.1 can take further advantage of the WebSphere Application Server for z/OS Liberty profile. Liberty is a lightweight profile of the server for web applications featuring significant reductions in the required memory and improvements in startup times. Applications can use Representational State Transfer (REST) and Web services to access the ODM RES server running in a WebSphere Application Server for z/OS Liberty profile. IBM ODM for z/OS, V8.7.1 offers configuration assists to help configure and deploy this new lightweight RES environment.

• Expanded client application programming interface
  The COBOL and PL/I API, which is provided to access Rule Execution Servers, allows for a degree of flexibility as to how and where the decision request is processed. IBM ODM for z/OS, V8.7.1 enables decision related user exits to be defined as ruleset interceptors for advanced users, providing access to the Java™ RES session API before and after invocation of the ruleset.

• Ability to manage the XOM and its marshaller in Decision Center
  The z/OS IT community closely manages application lifecycle processes as a means for controlling change and limiting business risks. IBM ODM for z/OS, V8.7.1 makes the XOM and its COBOL or PL/I marshaller, created in Rule Designer, is available in Decision Center. This allows for a more streamlined deployment process when managed from Decision Center.

IBM ODM for z/OS, V8.7.1 consists of several orderable products, which together form a comprehensive platform for the management and execution of business rules and business events:

• Decision Center for z/OS, V8.7.1
  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 Decision Center, which includes the Business Console, business and IT functions can work collaboratively to align the entire organization in the implementation of automated decisions and to accelerate the maintenance lifecycle as they evolve based on new external and internal requirements.

- **Decision Server for z/OS, V8.7.1**

  Provides the run time and development components to automate decision logic. It enables the detection of actionable business situations and the response of precise decisions that are based on the specific context of an interaction. With 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 to determine how to respond within both front-end systems and back-end systems.

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

IBM Business Rules for z/OS, a separate product offering, provides the same business-rule-execution capabilities that are packaged within Decision Server for z/OS to improve automation and maintainability of rule-based decision logic. Business Rules for z/OS, V8.7.1 provides the business-rules-specific, run-time components of Decision Server, for applications that are focused on decision automation and do not require event-based data pattern detection. Four, different rule-execution options are provided to allow development teams to build business rule solutions that meet the specific needs of their mainframe applications and architecture.

IBM ODM provides the ability to effectively automate a wide range of decisions across business processes and applications. 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

IBM ODM helps organizations adapt quickly to changing conditions, align across business and IT, and act with precision and reliability. It provides visibility to achieve clearer line of sight to business operations, collaboration capabilities to help foster cross-functional and cross-divisional outcomes, and built-in governance to align business operations with strategic intent in the face of change.

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**Accessibility by people with disabilities**

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


**Value Unit-based pricing**

Value Unit pricing for eligible IBM z Systems IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each z Systems™ 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 z Systems 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 z Systems IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a z Systems IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each z Systems 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://www.ibm.com/zseries/swprice/vuctool](http://www.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 z Systems IPLA program you selected, refer to the Terms and conditions section.

**Reference information**

For additional information on IBM ODM for z/OS, V8.7, and Business Rules for z/OS, V8.7, refer to Software Announcement ZP14-0527, dated October 1, 2014.

For additional information on IBM ODM for z/OS, V8.6 and Business Rules for z/OS, V8.6, refer to Software Announcement ZP13-0736, dated December 3, 2013.

For additional information on IBM ODM for z/OS, V8.5.1 and Business Rules for z/OS, V8.5.1, refer to Software Announcement ZP13-0520, dated October 1, 2013.

For additional information on IBM ODM for z/OS, V8.5 and Business Rules for z/OS, V8.5, refer to Software Announcement ZP13-0158, dated April 23, 2013.

For additional information on IBM ODM V8.7.1, refer to Software Announcement ZP15-0144, dated April 14, 2015.

For additional information on IBM ODM V8.7, refer to Software Announcement ZP14-0526, dated October 1, 2014.

For additional information on IBM ODM V8.6, refer to Software Announcement ZP14-0181, dated April 22, 2014.

For additional information on IBM ODM V8.5.1, refer to Software Announcement ZP13-0524, dated October 1, 2013.
For additional information on IBM ODM V8.5, refer to Software Announcement ZP13-0155, dated April 23, 2013.

### Availability of national languages

<table>
<thead>
<tr>
<th>Description</th>
<th>Availability date</th>
<th>Language</th>
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<tbody>
<tr>
<td>IBM Operational Decision Manager for z/OS, V8.7.1</td>
<td>May 29, 2015</td>
<td>Multilingual (Chinese Simplified, Chinese Traditional, Dutch, US English, French, German,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Italian, Japanese, Korean, Polish, Portuguese Brazilian, Russian, Spanish)</td>
</tr>
<tr>
<td>IBM Business Rules for z/OS V8.7.1</td>
<td>May 29, 2015</td>
<td>Multilingual (Chinese Simplified, Chinese Traditional, Dutch, US English, French, German,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Italian, Japanese, Korean, Polish, Portuguese Brazilian, Russian, Spanish)</td>
</tr>
</tbody>
</table>

For the current list of supported languages, visit [http://www.ibm.com/software/websphere/ilog_supported_languages.html](http://www.ibm.com/software/websphere/ilog_supported_languages.html)

### Program number

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-Y17</td>
<td>8.7.1</td>
<td>IBM Operational Decision Manager for z/OS</td>
</tr>
<tr>
<td>5655-Y31</td>
<td>8.7.1</td>
<td>IBM Business Rules for z/OS</td>
</tr>
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</table>

### Product identification number

#### IBM Operational Decision Manager for z/OS, V8.7.1

<table>
<thead>
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<th>Program PID number</th>
<th>Subscription and Support PID number</th>
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<tbody>
<tr>
<td>5655-Y17</td>
<td>5655-Y08</td>
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#### IBM Business Rules for z/OS, V8.7.1

<table>
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<tr>
<th>Program PID number</th>
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<tbody>
<tr>
<td>5655-Y31</td>
<td>5655-ILH</td>
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</table>

### Education support

Education is a key component to ensuring software success. IBM creates a comprehensive portfolio of education material to help customers successfully deploy IBM software products to their maximum potential. The IBM education team is committed to providing the highest quality education content available to help your organization prosper in today’s competitive marketplace.
The IBM education team works closely with IBM product developers and IBM services organizations to ensure that the courses we offer provide the most current 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. Our courses emphasize hands on labs to develop comprehensive skills in using the product to solve business problems. The education offerings from IBM Training span the spectrum of skill needs, from introductory product overviews to advanced programming and product administration courses.

Role-based, training paths can be found at
http://www.ibm.com/software/websphere/education/paths/

The delivery of IBM education is provided by IBM Global Training Partners.

For more information about available education offerings, search on the product name at
http://www.ibm.com/training

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### Offering Information

Product information is available via the Offering Information website
http://www.ibm.com/common/ssi

### Publications

The following publications are shipped with this program:

<table>
<thead>
<tr>
<th>Title</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Operation Decision Manager for z/OS, V8.7.1 - Program Directory</td>
<td>GI11-9605</td>
</tr>
<tr>
<td>IBM Business Rules for z/OS, V8.7.1 - Program Directory</td>
<td>GI11-9606</td>
</tr>
</tbody>
</table>

Effective May 29, 2015, the English and national language versions of the IBM ODM for z/OS, V8.7.1 documentation will be available on IBM Knowledge Center at http://www.ibm.com/support/knowledgecenter/SSQP76_8.7.1/

### Services

**Global Technology Services**

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

### Technical information

**Specified operating environment**

**Hardware requirements**

IBM z Systems processor, which includes IBM System z10, IBM zEnterprise, IBM z13, or an equivalent hardware server that is capable of running z/OS V2.1 or V1.13.
Software requirements

IBM ODM for z/OS, V8.7.1 supports the following:

- z/OS V2.1
- z/OS V1.13

Visit the following website for a complete detailed list of hardware and software requirements for IBM Decision Server for z/OS, V8.7.1, IBM Decision Center for z/OS, V8.7.1, and IBM Business Rules for z/OS, V8.7.1


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.

Limitations

Refer to Usage restriction topic 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


Planning information

Packaging

The IBM ODM for z/OS, V8.7.1 product package includes the following:

<table>
<thead>
<tr>
<th>IBM ODM and Business Rules Components</th>
<th>Decision Server</th>
<th>Decision Center</th>
<th>Business Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Directory</td>
<td>GI11-9605-06</td>
<td>GI11-9605-06</td>
<td>GI11-9606-06</td>
</tr>
<tr>
<td>License Information CD</td>
<td>GC34-2740-04</td>
<td>GC34-2739-04</td>
<td>GC34-2741-04</td>
</tr>
<tr>
<td>DVD Content</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DVD1 (Business Rules Prerequisites)</td>
<td>LCD7-4256-06</td>
<td>LCD7-4256-06</td>
<td>LCD7-4256-06</td>
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<tr>
<td>DVD2 (Business Rules Decision Server)</td>
<td>LCD7-4257-06</td>
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<td>LCD7-4257-06</td>
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<tr>
<td>DVD3 Decision Center</td>
<td></td>
<td>LCD7-4264-06</td>
<td></td>
</tr>
<tr>
<td>DVD4 (Installation Manager - Business Events)</td>
<td>LCD7-4258-06</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

IBM ODM for z/OS, V8.7.1 and IBM Business Rules for z/OS, V8.7.1 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.

Ordering information

Consult your IBM representative.

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

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
<th>Value Unit exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-Y17</td>
<td>IBM Operational Decision Manager for z/OS, V8.7.1</td>
<td>VUE007</td>
</tr>
<tr>
<td>5655-Y31</td>
<td>IBM Business Rules for z/OS, V8.7.1</td>
<td>VUE007</td>
</tr>
</tbody>
</table>

For each z Systems 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 z Systems 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**

<table>
<thead>
<tr>
<th>MSUs</th>
<th>MSUs</th>
<th>Value Units/MSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Tier A</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>Tier B</td>
<td>46</td>
<td>175</td>
</tr>
<tr>
<td>Tier C</td>
<td>176</td>
<td>315</td>
</tr>
<tr>
<td>Tier D</td>
<td>316</td>
<td>+</td>
</tr>
</tbody>
</table>

**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 z Systems IPLA product, the applicable Value Units would be:

**Translation from MSUs to Value Units**

<table>
<thead>
<tr>
<th>MSUs</th>
<th>Value Units/MSU = Value Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>3 * 1.00 = 3.00</td>
</tr>
<tr>
<td>Tier A</td>
<td>42 * .45 = 18.90</td>
</tr>
<tr>
<td>Tier B</td>
<td>130 * .36 = 46.80</td>
</tr>
<tr>
<td>Tier C</td>
<td>140 * .27 = 37.80</td>
</tr>
<tr>
<td>Tier D</td>
<td>1,185 * .20 = 237.00</td>
</tr>
</tbody>
</table>

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**

Shopz 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). Shopz is available in the US and several countries in Europe. In countries
where Shopz 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 Shopz website at

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

<table>
<thead>
<tr>
<th>Program name</th>
<th>PID number</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Operational Decision Manager for z/OS, V8.7.1</td>
<td>5655-Y17</td>
<td>Value Unit</td>
</tr>
<tr>
<td>IBM Business Rules for z/OS, V8.7.1</td>
<td>5655-Y31</td>
<td>Value Unit</td>
</tr>
</tbody>
</table>

**Basic license**

**On/Off CoD**

IBM ODM for z/OS, V8.7.1 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage. For ordering information, refer to Software Announcement ZP13-0520, dated October 1, 2013.

Ordering information remains unchanged for this announcement. Refer to IBM ODM for z/OS, V8.5.1 Software Announcement ZP13-0520, dated October 1, 2013.

**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 z Systems 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, FunctionPac, and ProductPac®.

All of these customized offerings are offered for Internet delivery in countries where Shopz 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 Shopz 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 include:

- 3590
- 3592

Most products can be ordered in ServerPac, SystemPac, FunctionPac, and ProductPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO, ServerPac, and SystemPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem. Shopz and CFS W will determine the eligibility based on product requisite checking. For more details on the product ServerPac, visit the Help section on the Shopz website at

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

For additional information on the Product ServerPac option, refer to Software Announcement ZP12-0358, dated July 7, 2012.

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, FunctionPac and ProductPac 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 IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures.

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 z Systems Operational Support Services - Support Line is an option if you desire added services.
License Information number

IBM ODM for z/OS, V8.7.1:

<table>
<thead>
<tr>
<th>Program name</th>
<th>LI number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decision Center for z/OS, V8.7.1</td>
<td>L-ASAY-9TDKHP</td>
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<tr>
<td>Decision Server for z/OS, V8.7.1</td>
<td>L-ASAY-9TDDKJJ</td>
</tr>
<tr>
<td>Business Rules for z/OS, V8.7.1</td>
<td>L-ASAY-9TDDKG3</td>
</tr>
</tbody>
</table>

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


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.

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


Software Subscription and Support applies

Yes. During the S&S period, for the unmodified portion of a Program, and to the extent problems can be recreated in the specified operating environment, IBM will provide the following:

- Defect correction information, a restriction, or a bypass.
- Program updates: Periodic releases of collections of code corrections, fixes, functional enhancements and new versions and releases to the Program and documentation.
- Technical assistance: A reasonable amount of remote assistance via telephone or electronically to address suspected program defects. Technical assistance is available from the IBM support center in the Customer's geography.

Additional details regarding Technical Assistance, that includes IBM contact information, are provided in the IBM Software Support Handbook

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

S&S does not include assistance for:

- The design and development of applications
- Customer's use of Programs in other than their specified operating environment, or
- Failures caused by products for which IBM is not responsible under the IBM Agreement for Acquisition of Software Maintenance.

S&S is provided only if the Program is within its support timeframe as specified in the Software Support Lifecycle policy for the Program.

For operating system software, the revised IBM Operational Support Services - Support Line 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 - Support Line

Yes

Other support

SoftwareXcel
**System i Software Maintenance applies**

No

**Variable charges apply**

Yes

**Educational allowance available**

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

**ESAP available**

Yes, to qualified customers.

**Sub-capacity**

For each z Systems 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 z Systems 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 z Systems IPLA program you selected, refer to the Ordering information section.

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
<th>Terms</th>
<th>Parent, if applicable</th>
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</thead>
<tbody>
<tr>
<td>5655-Y17</td>
<td>IBM Operational Decision Manager for z/OS, V8.7.1</td>
<td>Execution- based</td>
<td>NA</td>
</tr>
<tr>
<td>5655-Y31</td>
<td>IBM Business Rules for z/OS, V8.7.1</td>
<td>Execution- based</td>
<td>NA</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 z Systems IPLA program with these terms equals the MSU-rated capacity of the machines where the z Systems IPLA program executes.


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

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

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

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

For additional information for products with reference-based terms, z Systems IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the z Systems 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 z Systems IPLA program with referenced-based terms, each environment should be assessed separately.

When a z Systems IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the z Systems 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 z Systems 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 z Systems (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 z Systems Software Pricing website

http://www.ibm.com/systems/z/resources/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 z Systems Workload License Charges (Z125-6516),
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for EWLC, TWLC, and zELC 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 z Systems Programs Sub-Capacity Pricing (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous z Systems 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 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 z Systems 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**

The pricing information for IBM ODM for z/OS, V8.7.1, as previously announced in Software Announcement ZP13-0520, dated October 1, 2013, remains unaffected by this announcement.

Contact your IBM representative or IBM Business Partner for information on the current prices for this program.

**IBM Global Financing**

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http://www.ibm.com/financing

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