

# IBM Operational Decision Manager for z/OS, V8.10 delivers integration with IBM Machine Learning for z/OS, new decision modeling capability in Decision Center, and additional enhancements

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## Overview

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IBM<sup>(R)</sup> Digital Business Automation (DBA) is a flexible platform that automates:

- Repetitive human tasks
- Content management
- Process workflows
- Data capture
- Business decisions:
  - Improves responsiveness and consistency while reducing costs.
  - Allows businesses to make the right decisions at the right time by capturing, automating, and managing repeatable business rules.

IBM Operational Decision Manager (ODM) is an advanced business rules management system. ODM adds real-time decision making to clients' day-to-day operations. It can help ensure their applications remain current and well aligned with their changing business objectives.

ODM for z/OS<sup>(R)</sup> offers full transactional decision automation across the enterprise, and is fully compatible with the rule management capabilities of the ODM product family.

New capabilities in ODM for z/OS, V8.10 include:

- Supports integration with IBM Machine Learning for z/OS (ML for z/OS) to:
  - Enable true Digital Decisioning by combining ODM decision services and ML scoring services.
  - Provide an ML for z/OS interface import wizard.
  - Provide an in-process runtime integration in a Liberty server environment.

In addition, new capabilities for the ODM Server in the IBM ODM product family, Version 8.10 include:

- New decision modeling in Decision Center, with a focus on ease of use and speed for the early stage of a decision automation project:
  - Decisions can now be defined through a visual and logical decomposition model that makes them easier to author, maintain, and understand. This new

capability is derived from the Decision Model and Notation (DMN) standard. As a key benefit, decision models can be authored by business users, without any involvement from IT or programming skills.

- The decision model editor also features an intuitive way for users to specify the data model that their decisions consume or produce.
- Decision models are entirely defined from the Decision Center Business Console and managed as any other decision service.
- Decision projects that are created with IBM Decision Composer (Cloud Service) can be reused as decision model services in ODM.
- Additional features integrated in Decision Center Business Console.
- Upgrade of components, with Rule Designer and Insight Designer that is now based on Eclipse 4.7.3.
- Updates to the list of supported platforms.

ODM for z/OS, V8.10 uses the IBM Continuous Delivery (CD) support model. For additional information how ODM V8.10 for z/OS uses CD, see the [Terms and conditions](#) section.

For additional benefits of ODM for z/OS, see [IBM Knowledge Center](#) on December 14, 2018.

For additional capabilities of ODM for z/OS, see the announcements in the [Reference information](#) section.

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## Key prerequisites

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An IBM Z<sup>®</sup> server or an equivalent hardware server that is capable of running z/OS V2.1, or later.

For details, see the [Technical information](#) section.

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## Planned availability date

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December 14, 2018

See the [Availability of national languages](#) section for national language availability.

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## Description

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New capabilities in ODM for z/OS V8.10 include:

- Integration with IBM Machine Learning for z/OS (ML for z/OS) to:
  - Enable true Digital Decisioning by combining ODM decision services and ML scoring services.
  - Provide an ML for z/OS interface import wizard.
  - Provide an in-process runtime integration in a Liberty server environment.
- New decision modeling in Decision Center, with a focus on ease of use and speed for the early stage of a decision automation project. Business stakeholders get increasing pressure to isolate, scope and define business decisions that can be later automated:
  - Decisions can now be defined through a visual and logical decomposition model that makes them easier to author, maintain and understand. This new capability is derived from the Decision Model and Notation (DMN) standard. As a key benefit, decision models can be authored by business users, without any involvement from IT or programming skills.

- The decision model editor also features an intuitive way for users to specify the data model that their decisions will consume or produce.
- Decision models are entirely defined from Decision Center's Business Console. They can also be tested, simulated, governed and deployed like any other Decision Service.
- In 2017, IBM introduced Decision Composer, which exposes the decision modeling capability as a free experimental offering, that operates on the IBM Cloud™. Decision Composer, enables a general audience to become familiar with decision automation. Decision projects created with Decision Composer (Cloud Service) can be reused as decision model services in ODM.
- Additional features integrated in Decision Center Business Console:
  - Support for custom, key performance indicators (KPIs) for decision service simulation
  - More execution details from a decision service test
  - Notification of Decision Center governance and deployment events
  - A new diagnostic page in Business Console to check Decision Center parameters
- Upgrade of components, with Rule Designer and Insight Designer that are now based on Eclipse 4.7.3
- Updates to the list of supported platforms, which include the addition of support for IBM WebSphere® Application Server V9, support for IBM MQ V9 for Decision Server Insights, and the removal of ODM pattern for IBM PureApplication® System.

ODM for z/OS, V8.10 uses the CD support model and is available for a minimum of three years from the general availability.

ODM for z/OS, V8.10 is a comprehensive platform for the management and execution of business rules and business events across multiple platforms. ODM for z/OS, V8.10 is fully compatible with ODM V8.10 components that run on these platforms. Components include:

- Decision Server Rules
 

Provides specific runtime and development components that are designed to automate and manage decision logic that is based on business rules. and is available on z/OS and distributed platforms.
- Decision Center
 

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. Decision Center includes the Business Console that can provide business and IT functions that can work collaboratively to align the entire organization in the implementation of automated decisions. It can also accelerate the maintenance lifecycle as businesses evolve based on new external and internal requirements. Db2® for z/OS is supported as a repository database.
- Decision Server Insights
 

Extends the ODM capabilities and components in Decision Server with Decision Server Insights and the Insights Designer. These additional components enable the building of solutions that enable the detection of actionable business situations and take appropriate action at the time of interaction.

ODM for z/OS provides four, specific runtime options that allow development teams to choose a deployment strategy that best fits their mainframe applications and architecture requirements:

- In the zRule Execution Server that is hosted in a z/OS address space
- In the zRule Execution Server that is hosted in a CICS® Java™ Virtual Machine (JVM) or Liberty environment

- In the zRule Execution Server that is within a z/OS Batch execution environment
- In Rule Execution Server that is hosted in WebSphere Application Server on z/OS (full or Liberty profile)

ODM for z/OS provides the ability to effectively automate a comprehensive 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 client prioritizations
- Risk assessments and fraud determinations

ODM helps organizations adapt quickly to changing conditions, align across clients' business and IT, and act with precision and reliability. ODM can provide 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.

### **Accessibility by people with disabilities**

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A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the [Product accessibility information](#) website.

### **Value Unit-based pricing**

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Value Unit pricing for eligible IBM z Systems<sup>(R)</sup> IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each z Systems<sup>(R)</sup> 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, go to the [IBM System z<sup>\(R\)</sup> Software Pricing](#) website.

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, see the [Terms and conditions](#) section.

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## Reference information

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For additional information on ODM for z/OS and Business Rules for z/OS, see Software Announcements:

- For Version 8.9.1, [217-441](#), dated October 3, 2017
- For Version 8.9, [217-070](#), dated February 21, 2017
- For Version 8.7, [214-416](#), dated October 1, 2014
- For Version 8.6, [214-137](#), dated April 22, 2014

For additional information on the withdrawal of the WebSphere<sup>(R)</sup> Application Server orderable supply, see Software Withdrawal Announcement [918-151](#), dated October 2, 2018.

For additional information on ODM, see Software Announcements:

- For Version 8.10, [218-336](#), dated October 2, 2018
- For Version 8.9.1, [217-435](#), dated October 3, 2017
- For Version 8.9, [217-070](#), dated February 21, 2017
- For Version 8.8, [215-347](#), dated October 6, 2015
- For Version V8.7.1, [215-104](#), dated April 14, 2015
- For Version 8.7, [214-415](#), dated October 1, 2014
- For Version 8.6, [214-147](#), dated April 22, 2014

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## Availability of national languages

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Description	Availability date	Language
IBM Operational Decision Manager for z/OS, V8.10	December 14, 2018	Multilingual (Chinese Simplified, Chinese Traditional, Dutch, US English, French, German, Italian, Japanese, Korean, Polish, Portuguese Brazilian, Russian, Spanish, Swedish)

For the current list of supported languages, see the [IBM Support](#) website.

Translation information, if available, can be found at the [Translation Reports](#) website.

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## Program number

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Program number	VRM	Program name
5655-Y31	8.10.0	IBM Operational Decision Manager for z/OS
5655-ILH	1.1.0	IBM Operational Decision Manager for z/OS S&S

## Product identification number

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### IBM Operational Decision Manager for z/OS, V8.10

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

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## Education support

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Education is a key component to ensuring software success. IBM creates a comprehensive portfolio of education material to help clients 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 that are offered provide the most current technical and product information. The courses place an emphasis on the advanced knowledge and insight that only these sources can provide. IBM draws from a deep pool of IBM technical experience in the development of our courses, and pass that knowledge on to our students. The 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.

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

For more information about available education offerings, see the [IBM Skills Gateway](#) website.

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## Offering Information

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Product information is available on the [IBM Offering Information](#) website.

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## Publications

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The following publication is shipped with this program:

Title	Order Number
IBM Operation Decision Manager for z/OS, V8.10 - Program Directory	GI11-9607-02

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Effective December 14, 2018, national language and English versions of the IBM ODM for z/OS, V8.10 documentation will be available on [IBM Knowledge Center](#).

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## Services

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### Software Services

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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, contact your Lab Services Sales or Delivery Leader.

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## Technical information

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### Specified operating environment

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#### **Hardware requirements**

An IBM Z server that is capable of running z/OS V2.1, or later.

#### **Software requirements**

IBM ODM for z/OS, V8.10 supports the following operating systems:

- z/OS, V2.1
- z/OS, V2.2
- z/OS, V2.3

For a detailed list of hardware and software requirements for ODM for z/OS, V8.10, see the [IBM Support](#) website.

#### **Companion products**

The following products or services could be purchased with this product:

- IMS™ V13, and later. Provides the ability to call from a batch application to a zRule Execution Server on z/OS or invoke a rule application from a Message Processing Region.
- IBM Developer for z Systems. Delivers an ideal, integrated development environment for refactoring existing COBOL and PL/I applications.
- CICS® V5.1, or later. JVM. Can be utilized to host the zRule Execution Server with CICS on z/OS. This capability provides rule execution that is closer to the CICS transactions.

#### **Limitations**

See [Usage restrictions](#) section 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.

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## Planning information

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#### **Packaging**

ODM for z/OS, V8.10 product package includes the following:

<b>Deliverable</b>	<b>Form number</b>
Program Directory	GI11-9607-02
License Information DVD	GC34-2740-07
Product Content DVD	LCD7-4261-02

This offering is also available from [IBM Marketplace](#). On IBM Marketplace, clients can discover, try, and buy software, hardware, and services from IBM and third-party providers.

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## Direct client support

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Direct client 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 go to the [IBM Support Portal](#) website.

### **Security, auditability, and control**

ODM for z/OS, V8.10 uses the security and auditability features of the host software.

The client is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## **Ordering information**

Consult your IBM representative.

Ordering information is unchanged from Software Announcement [217-077](#), dated February 21, 2017, except for the removal of the orderable supply ID for WebSphere Application Server z/OS, V8. These capabilities have been integrated into the base of ODM for z/OS, V8.10.

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

<b>Program number</b>	<b>Program name</b>	<b>Value Unit exhibit</b>
5655-Y31	IBM Operational Decision Manager for z/OS, V8.10	VUE007

For each IBM 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 IBM 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**

	<b>MSUs minimum</b>	<b>MSUs maximum</b>	<b>Value Units/MSU</b>
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	+	0.20

### **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:

<b>Tier</b>	<b>MSUs</b>	<b>Multiplied by Value Units per MSU</b>	<b>Equal Value Units</b>
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	MSUs	Multiplied by Value Units per MSU	Equal Value Units
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

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). For more details and availability, go to the [Shopz](#) website.

### ESW trade-up

Current licensees of the IPLA replaced programs with active Subscription and Support (S&S) are eligible to trade up to ODM for z/OS, V8.10. All IPLA replaced program entitlements to be traded in must be terminated. In some cases the IPLA replaced program entitlements may not be the same as the IPLA replacement program entitlement. For example, if the client has 100 Value Units entitlement of IPLA replaced program A and is trading up to 90 Value Units of entitlement to the IPLA replacement program, the client must terminate all 100 Value Units entitlement of IPLA replaced program A. Current licensees of the IPLA replaced programs interested in trading up to IPLA replacement programs should contact their IBM representative.

Program name: IBM Operational Decision Manager for z/OS, V8.10

Program ID: 5655-Y31

Entitlement identifier	Description	License option/Pricing metric
S0170BV	IBM Operational Decision Manager for z/OS, V8.10 Trade-up from 5655-Y17 IBM Decision Server Advanced for z/OS	Basic OTC, per Value Unit

Orderable supply ID	Language
S0170DB	US English

You choose the delivery method when you order the software. IBM recommends internet delivery. However, if you still require physical media, you can choose DVD.

Consult your IBM representative if you have any questions.

### Charge metric

Program name	PID number	Charge metric
IBM Operational Decision Manager for z/OS, V8.10	5655-Y31	Value Unit

### Basic license

#### On/Off CoD

IBM Operational Decision Manager for z/OS is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

**Program name: IBM Operational Decision Manager for z/OS**

**Program ID: 5655-Y31**

Entitlement identifier	Description	License option/Pricing metric
S0170DB	IBM Operational Decision Manager 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	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.20

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

Program name: IBM Operational Decision Manager for z/OS, V8.10

Program ID: 5655-Y31

Entitlement identifier	Description	License option/pricing metric
S0170DB	IBM Operational Decision Manager for z/OS	Basic OTC, Value Units  Multi-Version Measurement, No charge
Orderable supply ID	Language	
S0170DC	US English	

IBM recommends internet delivery. However, if you still require physical media, you can choose DVD.

Program name: IBM Operational Decision Manager for z/OS Subscription and Support

Program ID: 5655-ILH

Entitlement identifier	Description	License option/pricing metric
S016H0M	IBM Operational Decision Manager 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  Multi-Version Measurement S&S, No charge
Orderable supply ID	Language	
S016H0N	US 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 program 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 this program with 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 by telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new programs.

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 and IBM 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.

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## Customized Offerings

Product deliverables are shipped only through CBPDO and ServerPac. These customized offerings are offered for internet delivery. For more details on Internet delivery, go to the Help section on the [Shopz](#) website.

You choose the delivery method when you order the software. IBM recommends internet delivery. However, if you still require physical media, you can choose DVD.

Many products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered through CBPDO and ServerPac 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 CFSW will determine the eligibility based on product requisite checking. For more details on the Product ServerPac, go to the Help section on the [Shopz](#) website.

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 four weeks after general availability.

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## 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<sup>(R)</sup> Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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## 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.

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## Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Software Subscription and Support (Software Maintenance) and does not require client signatures.

These programs are licensed under the IBM International 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 - SoftwareXcel is an option if you desire added services.

### License Information number

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The following License Information document applies to the offering in this announcement:

Program name	LI number
IBM Operational Decision Manager for z/OS for z/OS, V8.10	<a href="#">L-ASAY-B2XBZZ</a>

Select your language of choice and scroll down to the Charge Metrics section. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

The program's License Information will be available for review on the [IBM Software License Agreement](#) website

### Limited warranty applies

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Yes

### Limited warranty

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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, see the [IBM Software Support Handbook](#).

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

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With the IBM ODM V8.10 family of products, IBM ODM for z/OS utilizes the CD support model. Following the initial release of Version 8.10, new function and enhancements will be made available by incremental updates within the same version and release.

The new support model is implemented as follows:

- The CD support model allows IBM products to make new function available more frequently. The model also recognizes that frequent releases may not be suitable for all client application environments. Therefore, some products may offer a Long Term Support Release (LTSR) option.
- An LTSR can be supported for a longer period time, thereby assisting clients where frequent functional updates may not be practical and a longer term deployment is desirable.
- Clients should stay up to date with the installation of updates and LTSR packages to obtain the latest maintenance and new function. Product defect fixes and security updates are only available for the two, most current CD updates and all

active LTSRs. If required, individual product fixes can be made available between update packages for resolution of problems.

- Update packages are delivered on the latest product release stream when the new release becomes available.
- New functional updates are not available to previously released update packages and LTSRs.
- Support is available for all IBM components of a product until the product is withdrawn from support.
- Support extensions are available, for a minimum period of two years for an additional fee, following effective support discontinuance date of the product.

For support of IBM ODM for z/OS, V8.10:

- New functionality, security updates, and defect fixes will be made available through CD releases. Additional support will be made available, as necessary, through iFixes on only the two most recent CD updates and LTSR.
- IBM ODM for z/OS, V8.10 is delivered as a CD update release.

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Technical support of a program product version or release will be available for a minimum of three years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

This technical support allows you to obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to versions, releases, and updates (CD releases, Long Term Support Releases or fixes) of the program. You will be notified, through an announcement letter, of discontinuance of support with six months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

For additional information on the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website.

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### **Money-back guarantee**

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

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.

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### **Volume orders (IVO)**

No

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### **Passport Advantage applies**

No

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### **Usage restrictions**

Yes

See License Information document [L-ASAY-B2XBZZ](#) for details. These restrictions, if any, are current as of the date of announcement. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for any new or revised restrictions.

### **Software Subscription and Support applies**

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Yes. During the Software Subscription and Support 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 by telephone or electronically to address suspected program defects. Technical assistance is available from the IBM support center in the organization's geography.

Additional details regarding Technical Assistance, which includes IBM contact information, are provided in the [IBM Software Support Handbook](#).

Software Subscription and Support does not include assistance for:

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

Software Subscription and Support 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 - 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, go to the [Supported product list](#) website.

### **IBM Operational Support Services - SoftwareXcel**

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Yes

### **Other support**

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SoftwareXcel

### **Variable charges apply**

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Yes

### **Educational allowance available**

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

### **Multi-Version Measurement**

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Multi-Version Measurement (MVM) replaces the previously announced Migration Grace Period time limit of six months and allows unlimited time for clients to run more than one eligible version of a software program. Clients may run multiple versions of a program simultaneously for an unlimited duration during a program version upgrade. Clients may also choose to run multiple versions of a program simultaneously for an unlimited duration in a production environment. MVM does not extend support dates for programs withdrawn from service.

For more information about MVM, including requirements for qualification, see the [MVM](#) web page. For a list of eligible programs, see the [IPLA Execution-Based](#) web page.

### **Sub-capacity terms and conditions**

For each IBM 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 IBM 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 IBM Z IPLA program you selected, see the [Ordering information](#) section.

<b>Program number</b>	<b>Program name</b>	<b>Terms</b>	<b>Parent, if applicable</b>
5655-Y31	IBM Operational Decision Manager for z/OS, V8.10	Execution- based	Not applicable

### **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 an IBM Z IPLA program with these terms equals the MSU-rated capacity of the machines where the IBM Z IPLA program executes.

For more information on mainframe MSU-rated capacities, go to the [IBM Z Software Contracts](#) website.

Reference-based: The required license capacity of an IBM 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 an IBM Z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the IBM Z IPLA program executes.

z/OS-based: The required license capacity of an IBM Z 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 an IBM 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 an IBM Z IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the IBM Z IPLA program executes.

For more information on mainframe MSU-rated capacities, see the *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, IBM 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 IBM 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 IBM Z IPLA program with referenced-based terms, each environment should be assessed separately.

When an IBM Z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the IBM 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 IBM 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 IBM 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, go to the [IBM Z Software Pricing](#) website.

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, zELC, and z/OS.e 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 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**

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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

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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.

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## Statement of good security practices

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IT system security involves protecting systems and information through intrusion 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 regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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## Prices

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For current prices see your local IBM representative or IBM Business Partner.

For additional information on IBM Z software licensing and pricing, see the [IBM z Systems Software Pricing](#) website.

**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.

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## IBM Global Financing

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## Order now

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To order, contact the IBM Digital Sales Center, 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). For more information, contact the IBM Digital Sales Center.

Phone: 800-IBM-CALL (426-2255)

Fax: 800-2IBM-FAX (242-6329)

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