

IBM Operational Decision Manager for z/OS, V8.9.1 delivers performance and scalability improvements, a new REST API for automation, and enhanced usage metering

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At a glance

IBM[®] Operational Decision Manager (ODM) Standard for z/OS[®] offers full, transactional decision automation across the enterprise. It is fully compatible with the rule management capabilities of the ODM product family.

New capabilities for Decision Center and Decision Server Standard in the IBM ODM product family, Version 8.9.1 include:

- Decision Center - Business Console:
 - REST API to build, test, and deploy decision services
 - Many performance and scalability improvements, especially when working with large decision services
 - Improved selection of user groups in the LDAP connection
 - Enhanced Business Console interface for managing decision service snapshots and export-import
 - An updated support for IBM Cloud Product Insights, with improved metering and support for additional application servers
- Decision Server Standard:
 - More detailed error messages at compilation and execution

In addition, ODM Standard for z/OS adds capabilities for:

- An enhanced integration with IBM CICS[®] Transaction Server Liberty server deployments
- Enhancements to the new, batched-request API

Overview

IBM Digital Process Automation offers a set of solutions that allows clients to adapt their operations to achieve a better client centricity. ODM, a key offering in the Digital Process Automation portfolio, allows businesses to automate and manage day-to-day operational decisions and get greater visibility and control over how those decisions are made in their organizations. It provides a comprehensive and easy-to-use platform that allows clients to capture, automate, and manage frequently occurring and repeatable business decisions. As a result, clients can:

- Identify opportunities more easily.
- Respond to market demands quickly.
- Minimize risks.
- Operate consistently.

In addition, ODM Standard for z/OS brings the benefits of decision automation and management with minimal resource impact to your production environments and optimal execution performances.

ODM Standard for z/OS offers full transactional decision automation across the enterprise. ODM Standard for z/OS is fully compatible with the rule management capabilities of the ODM product family.

Additional capabilities that are added to Version 8.9.1 include improvements for Decision Server Rules and Decision Center.

ODM for z/OS, V8.9.1 supports organizations in virtually every industry by:

- Automating and governing operational decision making across business processes and applications to help improve business insight and ensure consistent outcomes
- 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

For additional benefits of ODM, see the [IBM Knowledge Center](#).

Key prerequisites

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

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

Planned availability date

November 24, 2017

See 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.

ODM Standard for z/OS, V8.9.1 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. The ODM V8.9.1 product family provides extended control to stakeholders to help manage the automated decisions for which they are responsible. ODM for z/OS, V8.9.1 enables business policy updates to be more easily managed and governed.

ODM for z/OS is available as Standard edition with the Decision Server Rules runtime component, which offers full transactional decision automation across the

enterprise. ODM Standard for z/OS is fully compatible with the rule management capabilities of the ODM product family.

New capabilities in ODM V8.9.1 include:

- Decision Center
 - A REST API to build, test, and deploy decision services.
 - Many performance and scalability improvements, especially when working with large decision services.
 - Improved selection of user groups in the LDAP connection. An administrator can specify a filter expression in the connection settings to select groups.
 - An enhanced Business Console interface for managing decision service snapshots, with the ability to sort them.
 - Ability to export, import, and delete decision services that are integrated into the Business Console.
- Updated support for IBM Cloud Product Insights
 - Improved metering with support for grouping and aggregates. Metrics can be grouped by applications. Metrics on number of artifacts are now properly handled for clustered environments.
 - Support for additional application servers that include IBM WebSphere[®] Application Server Network Deployment V8.5.5 and Apache Tomcat 8.
- Decision Server Rules
 - More detailed error messages at compilation and execution.

Additionally, IBM ODM Standard for z/OS adds capabilities for:

- An enhanced integration with IBM CICS TS Liberty server deployments
- Enhancements to the new batched request API

ODM for z/OS, V8.9.1 is also a maintenance release for ODM for z/OS, V8.9.0 and therefore, it is fully compatible with ODM for z/OS, V8.9.0.x and should be applied as soon as possible.

The ODM V8.9.1 product family consists of several orderable products, which together form a comprehensive platform for the management and execution of business rules and business events across multiple platforms. The ODM for z/OS, V8.9.1 offering is fully compatible with ODM V8.9.1 components that run on these platforms.

Decision Server Standard for z/OS, V8.9.1 provides the ability to adapt decision logic of applications at the speed of business. It has dedicated rule authoring and validation environments for business stakeholders, and gives visibility into, control over, and automation of point-in-time business decisions.

Decision Server Standard 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)
- 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 Standard for z/OS 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

ODM Standard for z/OS 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 with IBM Decision Center, have built-in governance to align business operations with strategic intent in the face of change.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details about accessibility compliance, can be found on the [IBM Accessibility](#) website.

Value Unit-based pricing

Value Unit pricing for eligible IBM z Systems^(R) IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each z Systems^(R) 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^{\(R\)} 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.

Reference information

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

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

For additional information on ODM, see:

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

Availability of national languages

Description	Availability date	Language
IBM Operational Decision Manager Standard for z/OS, V8.9.1	November 24, 2017	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.

Program number

Program number	VRM	Program name
5655-Y31	8.9.1	IBM Operational Decision Manager Standard for z/OS
5655-ILH	1.1.0	IBM Operational Decision Manager Standard for z/OS S&S

Product identification number

IBM Operational Decision Manager Standard for z/OS, V8.9.1

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

Education support

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 Training and Skills](#) website.

Offering Information

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

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to [BP Attachment for Announcement Letter 217-441](#) for this announcement. A PartnerWorld ID and password are required (use IBMid).

Publications

The following publication is shipped with this program:

Title	Order Number
IBM Operation Decision Manager Standard for z/OS, V8.9.1 - Program Directory	GI11-9606-10

Effective November 24, 2017, the English and national language versions of the IBM ODM for z/OS, V8.9.1 documentation will be available on [IBM Knowledge Center](#).

Services

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, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Hardware requirements

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

Software requirements

IBM ODM Standard for z/OS, V8.9.1 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 IBM Decision Server Standard for z/OS, V8.9.1, 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 within the same Eclipse shell.
- 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.
- Business process management. IBM Business Process Manager (IBM BPM) and IBM Case Manager define and orchestrate processes that require automated decisions within various activities.
- Monitoring. IBM Business Monitor delivers real-time, end-to-end business operations, transactions, and process monitoring. By providing integration with ODM and other IBM middleware infrastructure, Business Monitor offers a full, business operations view.
- IBM API Connect™. Allows businesses to accelerate their digital transformation to provide secure services across on-premise, on cloud, and dedicated clouds. API Connect empowers API developers and businesses to rapidly design APIs with enterprise-grade, security policies and share APIs across organizational boundaries and environments, while providing deep insight into API usage.
- IBM App Connect Professional. Provides rapid integration capabilities for today's modern cloud and hybrid architectures. App Connect Professional delivers an integration solution with ease-of-use, flexibility, and increased responsiveness to the evolving business needs, while removing the daunting complexities of integration. It provides the powerful combination of a 'simple integration experience' for business users looking to automate how their applications talk to each other, which is coupled with 'configuration based integration' approach for shadow IT teams and integration developers who need to solve more complex problems and need powerful tooling.
- Connectivity. IBM Integration Bus (IIB) and IBM MQ improve the flow of data, and reduce IT complexity that is associated with point-to-point integration. IIB is a lightweight, advanced enterprise service bus (ESB) that enables the integration of data sources from a wide range of platforms across both service-oriented architecture (SOA) and non-SOA environments. ODM can use IIB to connect to services required by a process application. IIB V9.0, or later, provides built-in capabilities of Decision Server to invoke rules during processing in order to make intelligent routing, validation, and transformation decisions.
- Elastic caching. Capabilities in WebSphere® eXtreme Scale include distributed object caching for processing high volumes of transactions with extreme efficiency and linear scalability.
- Streaming analytics. IBM InfoSphere® Streams is an advanced analytic platform that allows user-developed applications to quickly ingest, analyze, and correlate information as it arrives from thousands of real-time sources. The solution can

handle high data throughput rates, up to millions of events or messages per second.

- Predictive analytics. IBM SPSS[®] Modeler is an extensive predictive analytics platform that is designed to bring predictive intelligence to decisions made by individuals, groups, systems and the enterprise. By providing a range of advanced algorithms and techniques that include text analytics, entity analytics, decision management and optimization, SPSS Modeler can help your client consistently make the right decisions.

SPSS Collaboration and Deployment Services (SPSS C&DS) makes collaboration between analytic developers and users easier. SPSS C&DS automates and integrates ongoing analytical processes. It deploys scores and models at the point of impact to get better analytics efficiency, consistently see better results, and ultimately increase your return on investment.

Limitations

See the [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.

Planning information

Packaging

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

The ODM Standard for z/OS, V8.9.1 product package includes the following:

	ODM Standard
Program Directory	GI11-9606-10
License Information CD	GC34-2741-08
DVD Content	
- DVD1 (ODM Prerequisites)	LCD7-4259-10
- DVD2 (ODM Decision Server)	LCD7-4260-10

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which 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.

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

Security, auditability, and control

ODM Standard for z/OS, V8.9.1 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.

Ordering information

Except for the inclusion of MultiVersion Measurement as a license option for selected Entitlement identifiers, the ordering information is unchanged from Software Announcement [217-077](#), dated February 21, 2017.

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

Program number	Program name	Value Unit exhibit
5655-Y31	IBM Operational Decision Manager Standard for z/OS, V8.9.1	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

	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	+	0.20

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:

Tier	MSUs	Multiplied by Value Units per MSU	Equal 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

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 - Ordering information

IBM Decision Server Advanced for z/OS Entitled Entity (EE): There is an option to trade up entitlements to IBM Operational Decision Manager Standard for z/OS V8.9.1 (5655-Y31). There is no license fee for the IPLA trade-up and regular S&S applies.

Current licensees of the IPLA replaced programs with active Subscription and Support (S&S) are eligible to trade up to IBM Operational Decision Manager Standard for z/OS, V8.9.1. All IPLA replaced program entitlement(s) 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 customer 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 customer must terminate all 100 Value Units entitlement of IPLA replaced Program A. Current licensees of the IPLA replaced program interested in trading up to IPLA replacement program should contact their IBM sales representative or IBM Business Partner.

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

Program PID: 5655-Y31

Entitlement identifier	Description	License option/pricing metric
S0170BV	IBM Operational Decision Manager Standard for z/OS, V8.9.1 Trade-up from 5655-Y17 IBM Decision Server Advanced for z/OS	Basic OTC, per Value Unit

Orderable supply ID	Language	Distribution medium
S0170DB	US English	Tape

Charge metric

Program name	PID number	Charge metric
IBM Operational Decision Manager Standard for z/OS, V8.9.1	5655-Y31	Value Unit

Basic license

On/Off CoD

IBM Operational Decision Manager Standard 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 Standard for z/OS

Program PID: 5655-Y31

Entitlement identifier	Description	License option/Pricing metric
S0170DB	IBM Decision Server Standard 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. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: IBM Operational Decision Manager Standard for z/OS, V8.9.1

Program PID: 5655-Y31

Entitlement identifier	Description	License option/pricing metric
S0170DB	IBM Decision Server Standard for z/OS	Basic OTC, Value Units
		Multi-Version Measurement, No charge
Orderable supply ID	Language	Distribution medium
S0170DC	US English	3590 tape cartridge

Websphere Application Server z/OS, V8 - Optional Code

Orderable supply ID	Language	Distribution medium
S0177JD	US English	3590 tape cartridge uncomp

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

Program PID: 5655-ILH

Entitlement identifier	Description	License option/pricing metric
S016H0M	IBM Operational Decision Manager Standard 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	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 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 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 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.

Customized Offerings

Product deliverables are shipped only through CBPDO and ServerPac. 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, go to the Help section on the [Shopz](#) website.

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 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.

For additional information about the Product ServerPac option, see Software Announcement [212-272](#), dated July 31, 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 four weeks after general availability.

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^(R) 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 - SoftwareXcel is an option if you desire added services.

License Information number

Program name	LI number
IBM Decision Server Standard for z/OS V8.9.1	L-ASAY-APLAN9

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, 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).

Program technical support

Technical support of a program product version or release will be available for a minimum of five 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 updates (modifications or fixes), releases, and versions of the program. You will be notified, through an announcement letter, of discontinuance of support with 12 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.

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 restrictions

Yes

See the [License Information documents](#) page on the IBM Software License Agreement website for more information.

Software Subscription and Support applies

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

Yes

Other support

Variable charges apply

Yes

Educational allowance available

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

Multi-Version Measurement

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.

Program number	Program name	Terms	Parent, if applicable
5655-Y31	IBM Operational Decision Manager Standard for z/OS, V8.9.1	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 a 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 System z Software Contracts](#) website.

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

Reference-based: The required license capacity of a 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 a 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 [IBM z Systems Software Contracts](#) 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^(R). 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 a 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^(R) 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^(R) (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 System 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 IBM Z 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 IBM Z IPLA sub-capacity terms and conditions.

Sub-capacity utilization determination

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

On/Off 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 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.

Prices

For current prices, contact your 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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