

IBM Operational Decision Manager 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

New capabilities in IBM[®] Operational Decision Manager (ODM) V8.9.1 include:

- Decision Center
 - 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 Rules
 - More detailed error messages at compilation and execution
- Decision Server Insights
 - Higher entity scalability, with offloading to databases
 - Reliability improvements, with internal component upgrades

In parallel with the delivery of ODM V8.9.1, public files to facilitate the creation and deployment of ODM images on Docker are available and updated in the [GitHub repository](#).

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.

The ODM offerings include Advanced, Standard, and Express editions that address the incremental requirements from basic rules to full decision management:

- ODM Express provides an entry point that is designed for initial business rules projects.
- ODM Standard allows clients to adapt decision logic of applications at the speed of business. Its dedicated, rule authoring and validation environments for business stakeholders gives visibility into control over and automation of point-in-time business decisions.
- ODM Advanced builds on the capabilities of ODM Standard with Decision Server Insights that helps capture events, build context, and apply them to operational decisions in real time. Clients can detect situations as they occur to present risks or opportunities, and to enable the appropriate action.

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

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

Key prerequisites

ODM operates with a range of operating environments that include:

- AIX^(R)
- Red Hat Enterprise Linux^(R)
- Ubuntu
- SUSE Linux Enterprise Server
- MicrosoftTM WindowsTM
- Mac OS

ODM pattern deployments require one of the following:

- IBM PureApplication^(R) Software V2.2.4, on all underlying PureApplication System appliances
- IBM PureApplication Service on Softlayer V1.0.0

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

Planned availability date

- November 10, 2017
 - Electronic distribution
 - US English and national languages

- November 17, 2017
 - Media pack
 - US English and national languages

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 increase employee productivity, and improve the quality and consistency of operational decisions that are made repeatedly in the course of the business day.

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
- Decision Server Insights
 - Higher entity scalability, with offloading to database.
 - Reliability improvements, with internal component upgrades.

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

In addition, ODM V8.9.1 includes:

- Support for Oracle WebLogic 12.2.1 in Decision Server Rules and Decision Center
- New and updated samples and tutorials

In parallel with the delivery of ODM V8.9.1, public files to facilitate the creation and deployment of ODM images on Docker are available and updated in the [GitHub repository](#). Contributions describing ODM deployment through Kubernetes are also available at [Github](#),

ODM V8.9.1 consists of several orderable products, which together, form a comprehensive platform for the management and execution of business rules and business events:

- Decision Center V8.9.1
 - 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, it 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 Center Express^(R) V8.9.1
Provides a low-cost, entry point for businesses to get started with decision definition and governance.
- Decision Server Advanced V8.9.1
Extends the standard ODM capabilities and components in Decision Server Advanced 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.
- Decision Server Standard V8.9,1
Provides specific runtime and development components that are designed to automate and manage decision logic that is based on business rules.
- Decision Server Express V8.9,1
Provides a low-cost, entry point for businesses to get started with decision-management application development.
- Decision Server Rules Edition for Integration Bus V8.5
Decision Server Rules Edition for Integration Bus remains at Version 8.5. It is an entitlement-only package that extends licensing to deliver ODM integration with the IBM Integration Bus offering.

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

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.

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.

Section 508 of the US Rehabilitation Act

ODM support is capable, as of October 11, 2017, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be found on the [IBM Accessibility](#) website.

Reference information

For additional information on ODM, see:

- 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

For additional information on ODM patterns, see Software Announcements:

- [213-411](#), dated October 1, 2013
- [213-363](#), dated September 10, 2013
- [213-131](#), dated April 26, 2013

For information on IBM Product Transformation Manager, see Software Announcements:

- Version 8.10.1: [217-438](#), dated October 3, 2017
- Version 8.10: [217-393](#), dated August 22, 2017
- Version 8.9: [217-324](#), dated June 27, 2017

For additional information on ODM for z/OS^(R) and Business Rules for z/OS, see:

- Version 8.9.1, Software Announcement [217-441](#), dated October 3, 2017
- Version 8.9, Software Announcement [217-077](#), 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

Availability of national languages

Description	Availability date	Language
IBM ODM V8.9.1 (electronic download)	November 10, 2017	Multilingual (Chinese Simplified, Chinese Traditional, Dutch, US English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Swedish)
IBM ODM V8.9.1 (media pack)	November 17, 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 languages supported, see the [IBM Support](#) website.

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

Program number

Program number	VRM	Program name
5725-B69	8.9.1	IBM Operational Decision Manager

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.

More information is also available on the [Passport Advantage^{\(R\)} and Passport Advantage Express^{\(R\)}](#) website.

Publications

ODM documentation is available on IBM Knowledge Center, which can be viewed from a web browser with internet access or run locally. A local copy of the documentation can be downloaded and installed. Any new or updated version of the documentation can be added to a locally installed information center.

A *Quick Start Guide* is shipped with the product.

Effective November 10, 2017, the English and national language versions of the ODM V8.9.1 documentation will be available in [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

The following information is accurate at the time of the announcement of ODM V8.9.1. For the current and ODM detailed hardware system requirements, see the [IBM Support](#) website.

IBM Decision Center V8.9.1

Supported operating systems

- AIX (Decision Center Business Console and Decision Center Enterprise Console)
 - IBM POWER4 or later processors
 - Minimum 8 GB physical memory
- Red Hat, SUSE, and Ubuntu Linux (Decision Center Business Console and Decision Center Enterprise Console)
 - A workstation that meets the requirements of the supported operating system level that is used
 - Minimum 8 GB of physical memory recommended
- Microsoft Windows (Decision Center Business Console and Decision Center Enterprise Console)
 - A workstation capable of supporting selected operating system Minimum
 - 8 GB of physical memory recommended

IBM Decision Server Advanced V8.9.1

Decision Server Insights component

Supported operating systems for Insights Server and Insights Designer

- Red Hat Linux
 - A workstation that meets the requirements of the supported operating system level that is being used
 - Minimum 8 GB of physical memory recommended
- Windows
 - A workstation capable of supporting selected operating system
 - Minimum 8 GB of physical memory recommended

Pattern configuration for ODM V8.9.1

The pattern configuration for ODM Advanced requires PureApplication System appliances that runs PureApplication Software V2.2.4.

For a current list of hardware requirements for the pattern configuration, see the [IBM Support](#) website.

Decision Server Rules component

Supported operating systems

- AIX (Rule Designer in Headless mode only and Rule Execution Server)
 - IBM POWER4 or later processors
 - Minimum 8 GB physical memory
- Red Hat, SUSE, and Ubuntu Linux (Rule Designer and Rule Execution Server)
 - A workstation that meets the requirements of the supported operating system level that is being used
 - Minimum 8 GB of physical memory recommended

- Windows (Rule Designer and Rule Execution Server)
 - A workstation capable of supporting selected operating system
 - Minimum 8 GB of physical memory recommended

IBM Decision Server Standard V8.9.1 and IBM Decision Server Express V8.9.1

Decision Server Rules component

Supported operating systems

- AIX (Rule Designer in Headless mode only and Rule Execution Server)
 - An IBM POWER4 or later processors
 - Minimum 8 GB physical memory
- Red Hat, SUSE, and Ubuntu Linux (Rule Designer and Rule Execution Server)
 - A workstation that meets the requirements of the supported operating system level that is being used.
 - Minimum 8 GB of physical memory recommended.
- Windows (Rule Designer and Rule Execution Server)
 - A workstation capable of supporting selected operating system
 - Minimum 8 GB of physical memory recommended

Software requirements

The following information is accurate at the time of the announcement of ODM V8.9.1. For the current and ODM detailed software system requirements, see the [IBM Support](#) website.

IBM Decision Center V8.9 .1

Supported operating systems

- AIX (Decision Center Business Console and Decision Center Enterprise Console)
 - AIX 7.1 TL3 POWER^(R) System (64-bit) or AIX 6.1 TL4 POWER System (64-bit)
- Red Hat, SUSE, and Ubuntu Linux (Decision Center Business Console and Decision Center Enterprise Console)
 - One of the following:
 - Red Hat Enterprise Linux (RHEL) 6.0 Server/Desktop x86-32 (32-bit)
 - Red Hat Enterprise Linux (RHEL) 6.0, 7.0, 7.1, 7.2 Server/Desktop x86-64 (64-bit)
 - Red Hat Enterprise Linux (RHEL) 7.0, 7.1, 7.2 Server POWER System (64-bit)
 - Red Hat Enterprise Linux (RHEL) 6.0, 7.0, 7.1, 7.2 Server System z^(R) (64-bit)
 - SUSE Linux Enterprise Server (SLES) 11.0 or 12.0 z Systems^(R) (64-bit)
 - Ubuntu 14.04 POWER System
 - Ubuntu 14.04 x86-64
 - Ubuntu 16.04 LTS for IBM LinuxONETM and IBM z Systems^(R)
- Microsoft Windows (Decision Center Business Console and Decision Center Enterprise Console)
 - One of the following:
 - Windows Server 2012 or R2 Standard, Datacenter, Essentials, or Foundation Edition x86-64 (32-bit and 64-bit)
 - Windows 7 SP1 Ultimate x86-64 (32-bit)¹ or SP1 Ultimate x86-32 (32-bit)¹
 - Windows 7 SP1 Enterprise or Professional x86-64 (32-bit)¹ or SP1 Enterprise or Professional x86-32 (32-bit)¹

- Windows 8.1 Ultimate, Enterprise, or Professional x86-64¹
- Windows 10 Enterprise or Professional x86-64¹
- Windows Server 2008 R2 or 2008 Standard, Enterprise, or Datacenter Edition x86-64 (32-bit and 64-bit)²
- Windows Server 2008 Standard, Enterprise, or Datacenter Edition x86-32 (32-bit)²

¹ Server supported for application design, development and testing; no support for production use.

² Deprecated.

Supported application servers

- WebSphere^(R) Application Server V8.5.5 or Network Deployment V8.5.5
- WebSphere Application Server Liberty V8.5.5.9 or V16 and future fix packs
- Tomcat 8.0
- JBoss 6.3 EAP or 6.4 EAP
- Oracle Weblogic 12c (12.1.3)

Supported databases

- DB2^(R) Enterprise Server Edition 9.7.0.6 and future fix packs²
- DB2 Workgroup Server Edition 9.7.0.6 and future fix packs²
- DB2 Enterprise Server Edition 10.1 and future fix packs²
- DB2 Workgroup Server Edition 10.1 and future fix packs²
- DB2 Enterprise Server Edition 10.5 and future fix packs
- DB2 Workgroup Server Edition 10.5 and future fix packs
- Db2^(R) Enterprise Server Edition 11.1 and future fix packs
- Db2 Workgroup Server Edition 11.1 and future fix packs
- DB2 for i5/OS 7.1 or i5/OS 6.1 and future fix packs
- MySQL 5.7.14
- Oracle Database 11g Standard and Enterprise Editions Release 2 and future fix packs²
- Oracle Database 12g and future fix packs
- PostgreSQL 9.5.2 and future fix packs
- Microsoft SQL Server Enterprise Edition 2014, 2012 and future fix packs

² Deprecated.

Browsers

- Microsoft Internet Explorer 11.0
- Mozilla Firefox 45.7 ESR
- Google Chrome 55
- Safari V8 on Mac OS
- Microsoft Edge 25

IBM Decision Server Advanced V8.9.1

Decision Server Insights component

Supported operating systems for Insights Server and Insights Designer

- Red Hat Linux
 - One of the following:

- Red Hat Enterprise Linux (RHEL) 6.0 Server x86-64
 - Red Hat Enterprise Linux (RHEL) 7.1 and 7.2 Server x86-64
 - Red Hat Enterprise Linux (RHEL) 7.1 and 7.2 POWER System
 - Red Hat Enterprise Linux (RHEL) 6.0 Desktop x86-64 - For development activities only
 - Red Hat Enterprise Linux (RHEL) 7.1 and 7.2 Desktop x86-64 - For development activities only
 - Windows
 - Operating systems - one of the following:
 - Windows Server 2012 R2 Standard, Datacenter, Essentials, or Foundation Edition x86-64
 - Windows 7 SP1 Ultimate, Enterprise, or Professional x86-64¹
 - Windows 8.1 Enterprise, or Professional x86-64¹
 - Windows 10 Enterprise, or Professional x86-64¹
 - Windows Server 2008 R2 Standard, Enterprise, or Datacenter Edition x86-64²
- ¹ Server supported for application design, development and testing; no support for production use.
- ² Deprecated.

Supported databases

- Db2 Enterprise Server Edition 11.1 and future fix packs
- Oracle Database 12c Standard and Enterprise Editions and future fix packs

Browsers

- Microsoft Internet Explorer 11.0
- Mozilla Firefox 45.7 ESR
- Google Chrome 55
- Safari V8 on Mac OS
- Microsoft Edge 25

Software Development Kit for Insights Designer

- IBM Eclipse SDK 4.4.2

Pattern configuration for ODM V8.9.1

The pattern configuration for ODM Advanced requires PureApplication Service that runs PureApplication Software V2.2.4.

For a current list of hardware and software requirements, see the [IBM Support](#) website.

Decision Server Rules component

Supported operating systems

- AIX (Rule Designer in Headless mode only and Rule Execution Server)
 - One of the following:
 - AIX 7.1 TL3 POWER System or AIX 6.1 TL4 POWER System (64-bit)
- Red Hat, SUSE, and Ubuntu Linux (Rule Designer and Rule Execution Server)
 - One of the following:
 - Red Hat Enterprise Linux (RHEL) 6.0 Server/Desktop x86-32 (32-bit)

- Red Hat Enterprise Linux (RHEL) 6.0, 7.0, 7.1 or 7.2 Server/Desktop x86-64 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.1, or 7.2 Server POWER System (64-bit)
- Red Hat Enterprise Linux (RHEL) 6.0, 7.0, 7.1 or 7.2 Server System z (64-bit)
- SUSE Linux Enterprise Server (SLES) 11.0 or 12.0 z Systems (64-bit)
- Ubuntu 14.04 POWER
- Ubuntu 14.04 x86-64
- Windows (Rule Designer and Rule Execution Server)
 - One of the following:
 - Windows Server 2012 or R2 Standard, Datacenter, Essentials, or Foundation Edition x86-64 (32-bit and 64-bit)
 - Windows 7 SP1 Ultimate x86-64 (32-bit)¹ or SP1 Ultimate x86-32 (32-bit)¹
 - Windows 7 SP1 Enterprise or Professional x86-64 (32-bit)¹ or SP1 Enterprise or Professional x86-32 (32-bit)¹
 - Windows 8.1 Ultimate, Enterprise, or Professional x86-64¹
 - Windows 10 Enterprise or Professional x86-64¹
 - Windows Server 2008 R2 or 2008 Standard, Enterprise, or Datacenter Edition x86-64 (32-bit and 64-bit)²
 - Windows Server 2008 Standard, Enterprise, or Datacenter Edition x86-32 (32-bit)²

¹ Server supported for application design, development and testing; no support for production use.

² Deprecated.

Supported application servers

- WebSphere Application Server V8.5.5 or Network Deployment V8.5.5
- WebSphere Application Server Liberty V8.5.5.9, V16, or V17 and future fix packs
- Tomcat 8.0
- JBoss 6.3 EAP or 6.4 EAP
- Oracle Weblogic 12c (12.1.3)

Supported databases

- DB2 Enterprise Server Edition 9.7.0.6 and future fix packs²
- DB2 Workgroup Server Edition 9.7.0.6 and future fix packs²
- DB2 Enterprise Server Edition 10.1 and future fix packs²
- DB2 Workgroup Server Edition 10.1 and future fix packs²
- DB2 Enterprise Server Edition 10.5 and future fix packs
- DB2 Workgroup Server Edition 10.5 and future fix packs
- Db2 Enterprise Server Edition 11.1 and future fix packs
- Db2 Workgroup Server Edition 11.1 and future fix packs
- DB2 for i5/OS 7.1 or i5/OS 6.1 and future fix packs
- MySQL 5.7.14
- Oracle Database 11g Standard/Enterprise Editions Release 2 and future fix packs²
- Oracle Database 12g and future fix packs
- PostgreSQL 9.5.2 and future fix packs
- Microsoft SQL Server Enterprise Edition 2014, 2012, and future fix packs

² Deprecated.

Browsers

- Microsoft Internet Explorer 11.0
- Mozilla Firefox 45,7 ESR
- Google Chrome 55
- Safari V8 on Mac OS
- Microsoft Edge 25

Software Development Kit for Rule Designer

- IBM Eclipse SDK 4.4.2

IBM Decision Server Standard V8.9 and IBM Decision Server Express V8.9.1

Decision Server Rules component

Supported operating systems

- AIX (Rule Designer in Headless mode only and Rule Execution Server)
 - One of the following:
 - AIX 7.1 TL3 POWER System (64-bit) or AIX 6.1 TL4 POWER System (64-bit)
- Red Hat, SUSE, and Ubuntu Linux (Rule Designer and Rule Execution Server)
 - One of the following:
 - Red Hat Enterprise Linux (RHEL) 6.0 Server/Desktop x86-32 (32-bit)
 - Red Hat Enterprise Linux (RHEL) 6.0, 7.0, 7.1 or 7.2 Server/Desktop x86-64 (64-bit)
 - Red Hat Enterprise Linux (RHEL) 7.1 or 7.2 Server POWER System (64-bit)
 - Red Hat Enterprise Linux (RHEL) 6.0, 7.0, 7.1 or 7.2 Server System z (64-bit)
 - SUSE Linux Enterprise Server (SLES) 11.0 or 12.0 z Systems (64-bit)
 - Ubuntu 14.04 POWER
 - Ubuntu 14.04 x86-64
- Windows (Rule Designer and Rule Execution Server)
 - One of the following:
 - Windows Server 2012 or R2 Standard, Datacenter, Essentials, or Foundation Edition x86-64 (32-bit and 64-bit)
 - Windows 7 SP1 Ultimate x86-64 (32-bit)¹ or SP1 Ultimate x86-32 (32-bit)¹
 - Windows 7 SP1 Enterprise or Professional x86-64 (32-bit)¹ or SP1 Enterprise or Professional x86-32 (32-bit)¹
 - Windows 8.1 Ultimate, Enterprise, or Professional x86-64¹
 - Windows 10 Enterprise or Professional x86-64¹
 - Windows Server 2008 R2 or 2008 Standard, Enterprise, or Datacenter Edition x86-64 (32-bit and 64-bit)²
 - Windows Server 2008 Standard, Enterprise, or Datacenter Edition x86-32 (32-bit)²

¹ Server supported for application design, development and testing; no support for production use.

² Deprecated.

Supported application servers

- WebSphere Application Server V8.5.5 or Network Deployment V8.5.5
- WebSphere Application Server Liberty V8.5.5.9, V16, or V17 and future fix packs
- Tomcat 8.0

- JBoss 6.3 EAP or 6.4 EAP
- Oracle Weblogic 12c (12.1.3)

Supported databases

- DB2 Enterprise Server Edition 9.7.0.6 and future fix packs²
- DB2 Workgroup Server Edition 9.7.0.6 and future fix packs²
- DB2 Enterprise Server Edition 10.1 and future fix packs²
- DB2 Workgroup Server Edition 10.1 and future fix packs²
- DB2 Enterprise Server Edition 10.5 and future fix packs
- DB2 Workgroup Server Edition 10.5 and future fix packs
- Db2 Enterprise Server Edition 11.1 and future fix packs
- Db2 Workgroup Server Edition 11.1 and future fix packs
- DB2 for i5/OS 7.1 or i5/OS 6.1 and future fix packs
- MySQL 5.7.14
- Oracle Database 11g Standard/Enterprise Editions Release 2 and future fix packs²
- Oracle Database 12g and future fix packs
- PostgreSQL 9.5.2 and future fix packs
- Microsoft SQL Server Enterprise Edition 2014, 2012, and future fix packs

² Deprecated.

Browsers

- Microsoft Internet Explorer 11.0
- Mozilla Firefox 45.7 ESR
- Google Chrome 55
- Safari V8 on Mac OS
- Microsoft Edge 25

Software Development Kit for Rule Designer

- IBM Eclipse SDK 4.4.2

Companion products

The following products or services could be purchased with this product

- Business process management. IBM Business Process Manager (IBM BPM) and IBM Case Manager define and orchestrate processes, which 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 WebSphere 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. Entitlement to Decision Server Rules Edition for IIB V8.5 helps enable usage beyond development and functional test.
- **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 clients' return on investment.

Planning information

Packaging

ODM V8.9.1 is delivered as an electronic download and a set of physical media packs consisting of multiple DVDs.

The ODM pattern is available as a downloadable eAssembly file that can be directly uploaded onto one of the supported pattern environments.

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.

Direct customer support

For technical support or assistance, contact your IBM representative or go to the [IBM Support Portal](#) website.

Security, auditability, and control

ODM 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

This product is only available through Passport Advantage. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Channel Value Rewards.

More information can be found on the [IBM Channel Value Rewards](#) website.

To locate IBM Business Partners for Channel Value Rewards in your geography for a specific Channel Value Rewards portfolio, go to the [Find a Business Partner](#) page.

Product group: IBM Systems, Middleware

Product: IBM Operational Decision Manager V8.9.1 (5725-B69)

Product category: Operational Decision Manager

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

Program number	Program name	Value Unit exhibit
5725-B69	IBM Operational Decision Manager V8.9.1	VUE100

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

Passport Advantage

Part numbers are unchanged. See Software Announcement [217-070](#), dated February 21, 2017.

Passport Advantage trade-up

Part numbers are unchanged. See Software Announcement [217-070](#), dated February 21, 2017.

Passport Advantage customer: Media pack entitlement details

Clients with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

IBM Operational Decision Manager V8.9 .1

Media packs Part description	Part number
IBM Operational Decision Manager Standard V8.9.1 Multiplatform Multilingual Media Pack	B8029ML
IBM Operational Decision Manager Advanced V8.9.1 Multiplatform Multilingual Media Pack	B8028ML

Cross-platform product for use on IBM Z Integrated Facility for Linux (IFL) engines and/or zEnterprise[®] BladeCenter Extension

Part numbers are unchanged. See Software Announcement [217-070](#), dated February 21, 2017.

Charge metric

Program name	PID number	Charge metric
IBM Operational Decision Manager V8.9.1	5725-B69	<ul style="list-style-type: none"> Processor Value Unit Resource Value Unit

Processor Value Unit (PVU)

Processor Value Unit (PVU) is a unit of measure by which the Program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the [Processor Value Unit \(PVU\) licensing for Distributed Software](#) website) and the number of processors made available to the Program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

Licensee can deploy the Program using either full capacity licensing or virtualization capacity (sub-capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (see web page below). If using full capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores* in the physical hardware environment made available to or managed by the Program, except for those servers from which the Program has been permanently removed. If using virtualization capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the Program, as defined according to the [Virtualization Capacity License Counting Rules](#) website.

* An Activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

Notes

- Some programs may require licenses for the Program **and** what is being managed. In that case, the following applies. In addition to the entitlements required for the Program directly, Licensee must obtain PVU entitlements for this Program sufficient to cover the processor cores for the systems on which the resources managed or processed by the Program reside.
- Some programs may be licensed on a managed basis **only**. In that case, the following applies. Instead of the entitlements required for the Program directly, Licensee must obtain PVU entitlements for this Program sufficient to cover the processor cores for the systems on which the resources managed or processed by the Program reside.
- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies. Rather than obtaining entitlements for the activated processor cores available to the Program, Licensee must obtain PVU entitlements for this Program sufficient to cover the environment made available to the Referenced Program as if the Program itself were executing everywhere the Referenced Program was executing, independent of the basis on which the Referenced Program is licensed.

Resource Value Unit (RVU)

Resource Value Unit (RVU) is a unit of measure by which the Program can be licensed. RVU Proofs of Entitlement are based on the number of units of a specific resource used or managed by the Program. Licensee must obtain sufficient entitlements for the number of RVUs required for Licensee's environment for the specific resources as specified in the table below. RVU entitlements are specific to the Program and the type of resource and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program or resource.

Note to web page reader: Specific user table can be found on [IBM Value Unit Exhibits for Passport Advantage Software](#).

Notes

- Some programs may require licenses for the Resources available to **and** the resources being managed by the Program. In that case, the following applies.

In addition to the entitlements required for the Resources used by the Program directly, Licensee must obtain entitlements for this Program sufficient to cover the Resources managed by the Program.

- Some programs may be licensed on a managed basis **only**. In that case, the following applies. Instead of the entitlements required for the Resources used by the Program directly, Licensee must obtain entitlements for this Program sufficient to cover the Resources managed by the Program.

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.

This product is only available through Passport Advantage.

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. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

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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. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. 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.

License Information number

Program name	LI number
IBM Operational Decision Manager Advanced	
IBM Decision Center V8.9 .1	L-ASAY-APLAZ8
IBM Decision Server Advanced V8.9.1	L-ASAY-APLB4V
IBM Operational Decision Manager Standard	
IBM Decision Server Standard V8.9 .1	L-ASAY-APLBA5
IBM Decision Server Standard Limited Use Edition V8.9.1	L-ASAY-APLB6H
IBM Decision Center Limited Use Edition V8.9.1	L-ASAY-APLAX2
IBM Operational Decision Manager Express	
IBM Decision Center Express V8.9.1	L-ASAY-APLAY8
IBM Decision Server Express V8.9.1	L-ASAY-APLB7Z

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 (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) 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

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

Usage restrictions

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. Software Subscription and Support, also referred to as Software Maintenance, is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance by telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, see 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, or failures caused by products for which IBM is not responsible under the applicable agreements.

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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, go to the [Passport Advantage and Passport Advantage Express](#) website.

IBM Operational Support Services - SoftwareXcel

No

Other support

Passport Advantage

Variable charges apply

No

Educational allowance available

Not applicable.

Statement of good security practices

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Prices

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Passport Advantage

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Corrections

(Corrected on March 27, 2018)

The Program technical support section is revised.

(Corrected on November 6, 2017)

The Publications section is revised.