

What's New in IBM Operational Decision Manager 8.9.2

—

March 2018

Updated on April 30, 2018

IBM ODM 8.9.2 Release highlights

Develop
new opportunities
on private clouds

Commercial
offering for IBM
Cloud Private



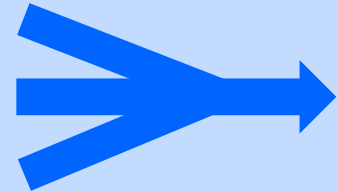
Increase adoption
with self service
access

Free ODM for
Developers



Easier to sell
product

Product offering
simplification



Why is ODM 8.9.2 coming soon after ODM 8.9.1 ?

ODM 8.9.1 was released in November 2017

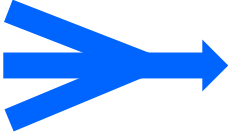
For existing on-prem customers, ODM 8.9.2 is **effectively a fix pack**:

- Mainly includes fixes
- Fully compatible with 8.9.1
- Incremental installer from 8.9.x to 8.9.2 also available on FixCentral

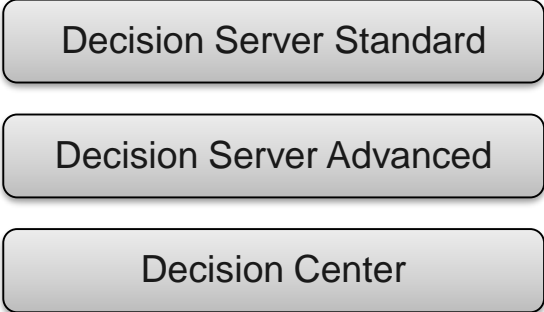
A **mod version (8.9.2)** was needed to **simplify the product structure** and do the corresponding update to the part numbers.

Product Offering Simplification

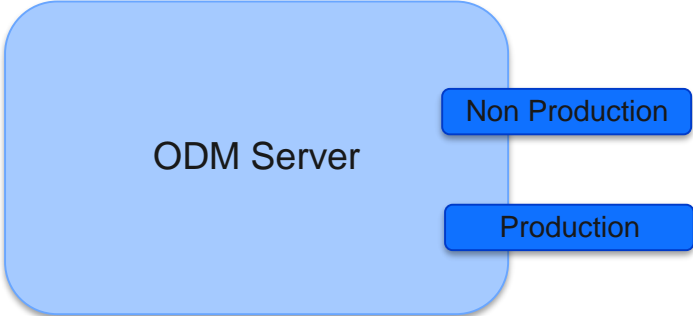
Simplification of product offering (& ordering)



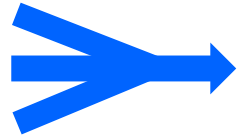
ODM 8.9.1 and previous



ODM 8.9.2



Outcome of simplification



Automatic entitlement to the new products for existing customers

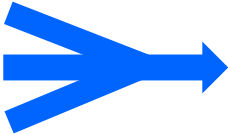
New **flexibility to allocate PVUs** across ODM Server components

– Assuming you're using ODM 8.9.2. Not applicable to previous releases

No change to the technical product structure

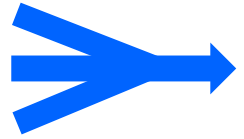
– For on-prem customers: same installers for Decision Center, Decision Server Rules, Decision Server Insights

Comparing ODM Server and ODM Server Express



Components	ODM Server	ODM Server Express
Decision Center	✓	✓ MAX 420 PVU per site
Decision Server Rules	✓	
Decision Server Insights	✓	
Commercial offering on ICP	✓	
PureApplication pattern	✓ Deprecated	

What About ODM for z/OS ?



No change to the product structure

Simplifications already occurred in the past with the removal of Insights and Decision Center on z/OS

One Single PID [5655-Y31](#) : Operational Decision Manager Standard for z/OS

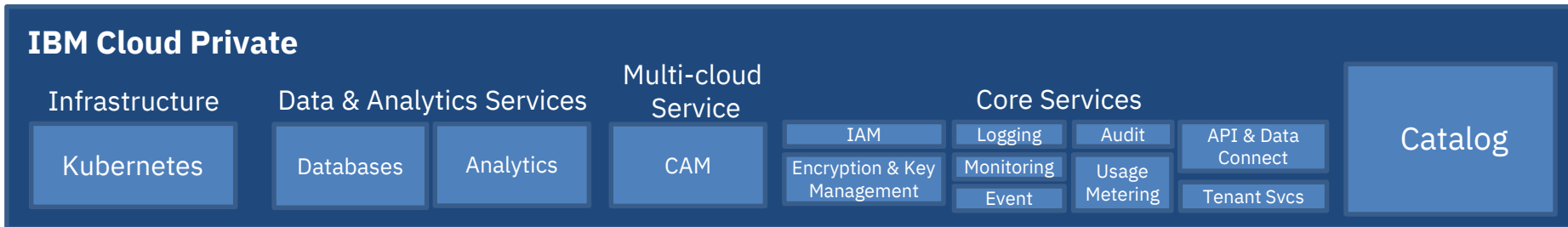
ODM on IBM Cloud Private & ODM for Developers

IBM Cloud Private Overview

Streamline development with built-in microservices, runtimes, containers and **Kubernetes** orchestration plus integrated management

An integrated platform consisting of the IaaS, PaaS, and developer services necessary to create, run, and manage cloud applications

An important offering for delivering modernized IBM middleware and data services to enterprise customers



2 flavors of ODM 8.9.2 on IBM Cloud Private



A new **commercial offering: ODM on IBM Cloud Private** (ICP)

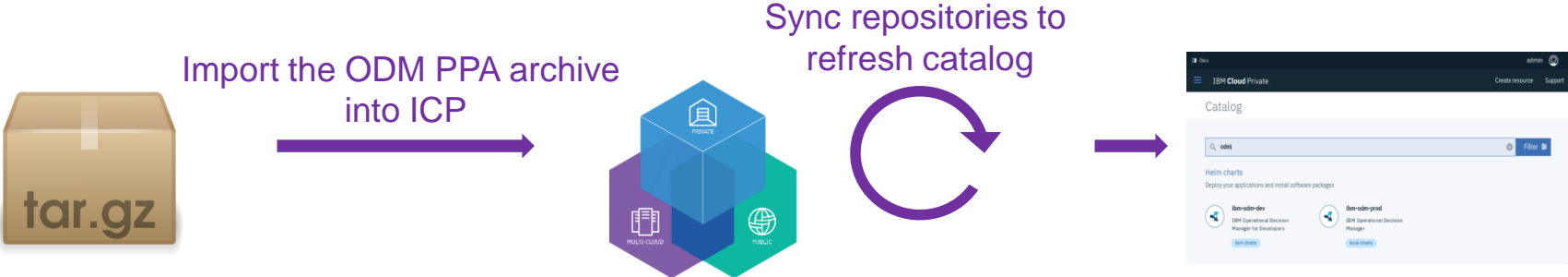
- Provided as Docker images and a Kubernetes Helm chart **with ODM Server 8.9.2**
- **Production ready**, with full IBM support
- A **new pricing option**, best suited for containers: **Virtual Processor Core (VPC) Monthly**

A new **free edition: ODM for Developers**

- For **development and evaluation purposes** only
- Automatically visible in **ICP catalog** for all ICP users
- Also available outside ICP as a **Docker** image



How to get and install ODM on ICP (commercial offering)

ODM Server Components:



- Contains:
- Production Docker images
 - Production Helm chart

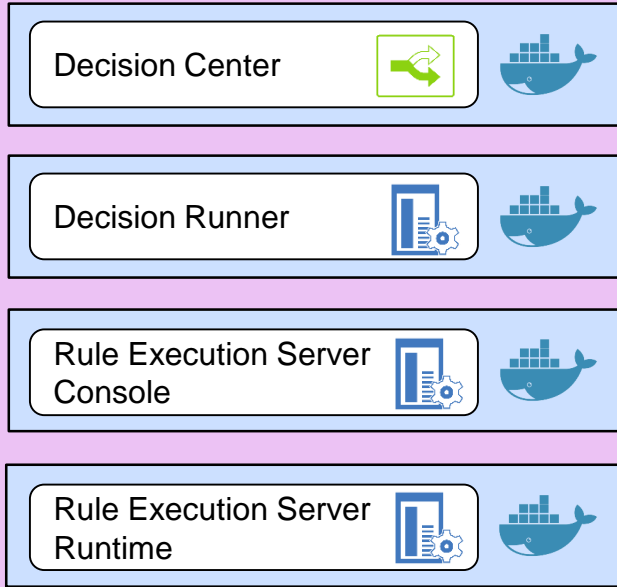
ODM Rule Designer:

 [Rule Designer](#)
[Eclipse Plugins](#) on  [eclipse marketplace](#)

ODM on ICP, for production

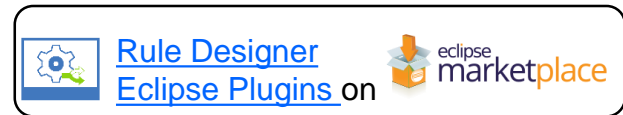


Helm chart referencing ODM Docker images

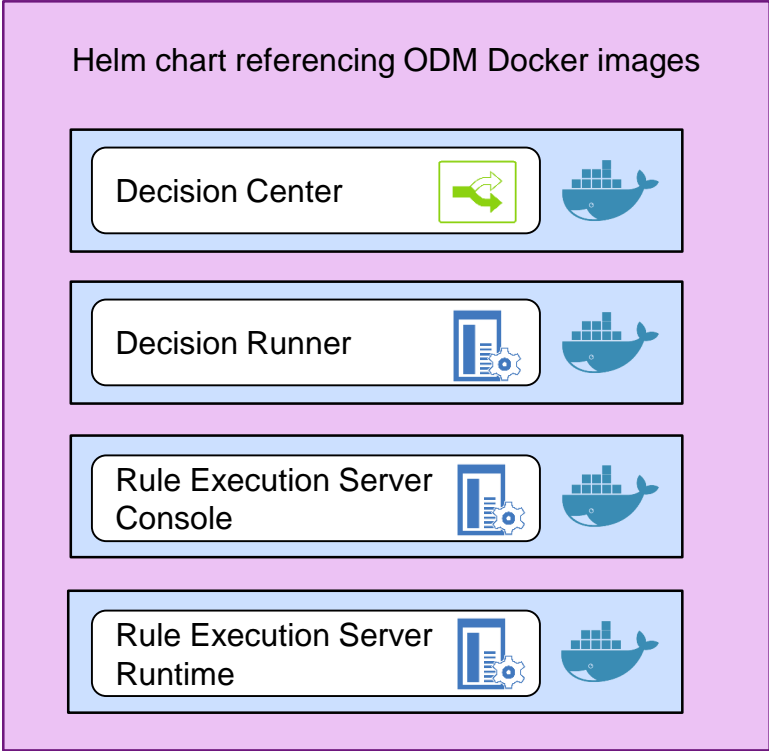


ODM Server Components

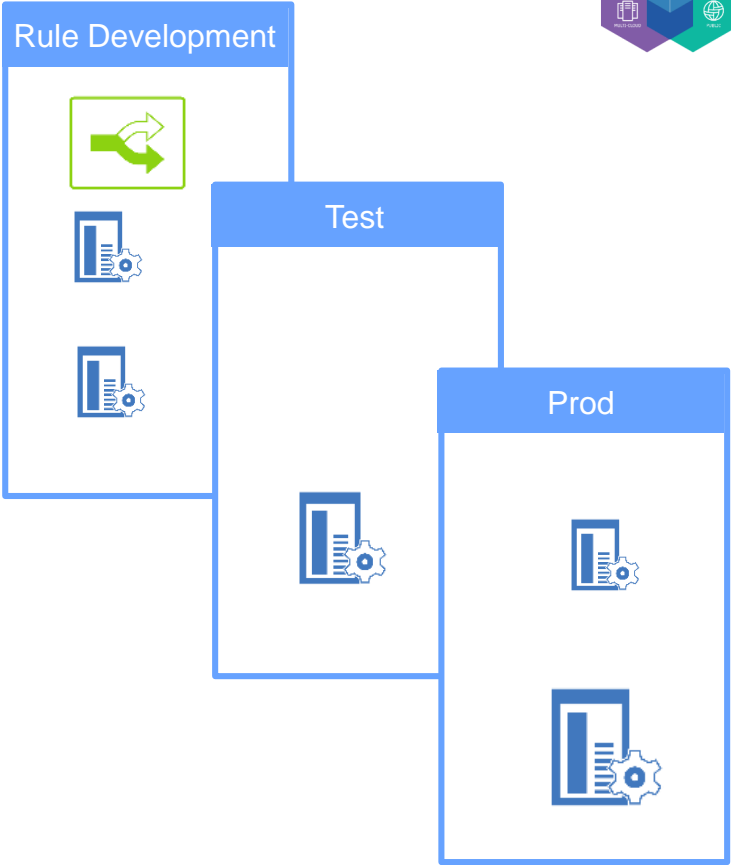
- Production grade Docker images
- Helm chart to configure one or many Helm releases: Dev / QA / Pre-prod / Prod... environments



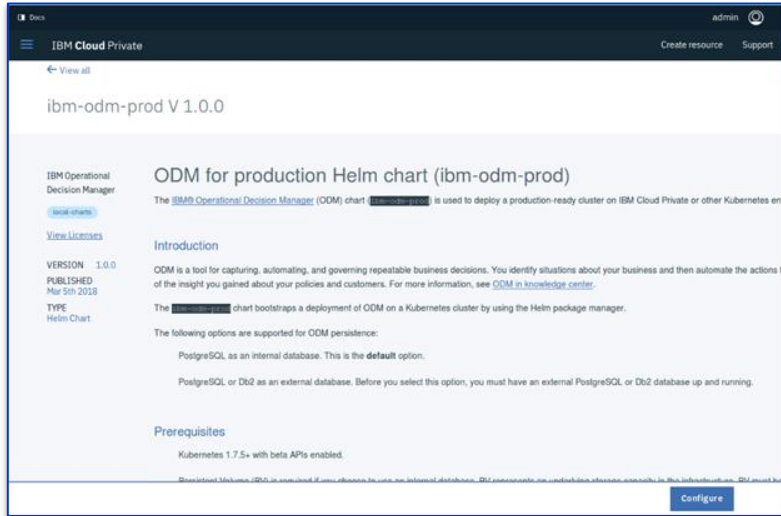
Creation of a full ODM topology on ICP



Creation of environments (Helm releases)

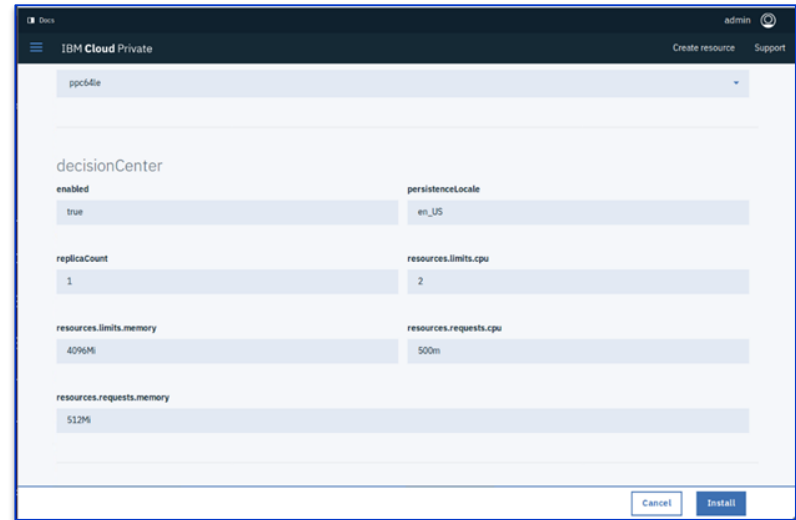


Configuration of ODM on ICP, for production



Select the **ibm-odm-prod** chart to create a Helm release (Rule development, QA, pre-prod, prod, etc.)

For each Helm release, **select and configure the ODM components** to instantiate (one Docker instance per component)



Example of an ODM Helm release



Docs admin

IBM Cloud Private Create resource Support

← View all

odm-prod-1 Helm release details

DETAILS	
TYPE	DETAIL
Name:	odm-prod-1
Namespace:	think
Status:	DEPLOYED
Chart name:	ibm-odm-prod
Chart version:	1.0.0
updated:	Mar 5th 2018 at 12:45 PM
Type:	Release

Persistent Volume Claim

NAME	STATUS	VOLUME	CAPACITY	ACCESSMODES	STORAGECLASS
odm-prod-1-odm-pvclaim	Bound	pv5	5Gi	RWO	7m

Service

NAME	CLUSTER IP	EXTERNAL IP	PORT(S)	AGE
odm-prod-1-dbserver	10.1.0.64	<none>	5432/TCP	7m
odm-prod-1-odm-decisioncenter	10.1.0.138	<nodes>	9453:31875/TCP	7m
odm-prod-1-odm-decisionrunner	10.1.0.2			7m
odm-prod-1-odm-decisionserverconsole	10.1.0.9			7m
odm-prod-1-odm-decisionserverruntime	10.1.0.134			7m

ODM services created in that release

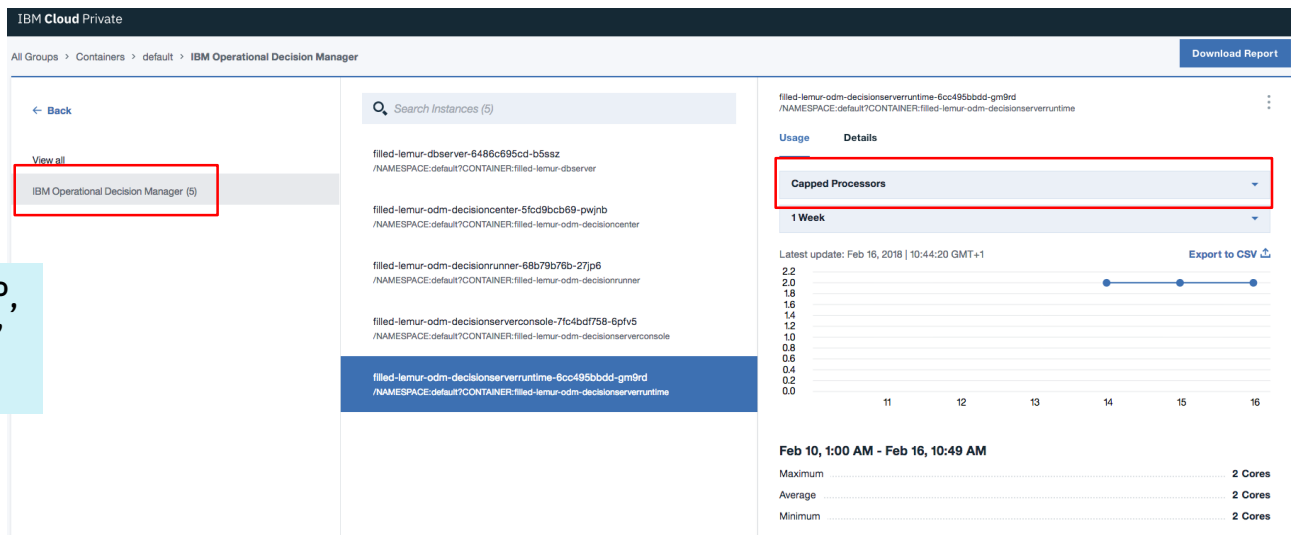
ODM Pricing and Metering on ICP



New pricing option added in ODM 8.9.2:

VPC (Virtual Processor Core) monthly subscription

- Max number for cores allocated to ODM containers in ICP
- Distinction between Production and Non-production environments




ODM core metering in ICP, with “Capped Processors” metric





Free ODM for Developers, for all Docker fans





Making it easy for any developer to evaluate and develop decision services with ODM

Single Docker image on Docker Hub
<https://hub.docker.com/r/ibmcom/odm/>



- Decision Center 
- Decision Runner 
- Rule Execution Server Console 
- Rule Execution Server Runtime 



[Rule Designer](#)
[Eclipse Plugins](#) on  eclipse marketplace

ODM for Developers available in ICP catalog



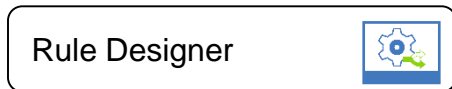
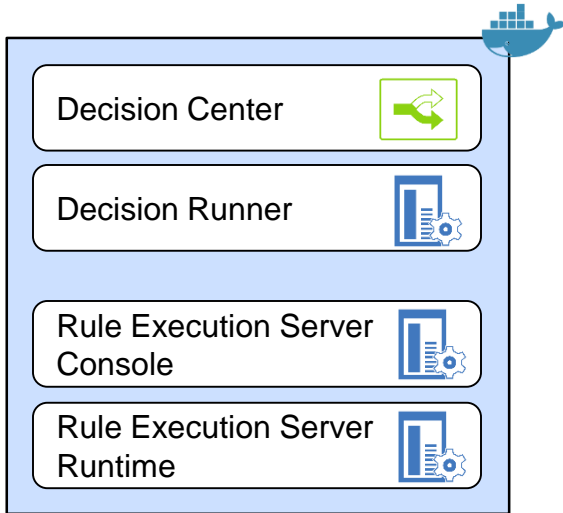
Doca admin

IBM Cloud Private Create resource Support

ibm-lisee-eval IBM InfoSphere Information Server for Evaluation v11.7 (Evaluation) ibm-charts	ibm-integration-bus-dev IBM Integration Bus for application integration, routing and transformation ibm-charts	ibm-lsfce-dev IBM LSF Community Edition cluster with Application Center GUI ibm-charts
ibm-mariadb-dev MariaDB is developed as open source software and as a relational database it provides an SQL ibm-charts	ibm-microservicebuilder-fabric Microservice Builder Fabric ibm-charts	ibm-microservicebuilder-pipeline Microservice Builder Pipeline ibm-charts
ibm-mongodb-dev NoSQL document-oriented database that stores JSON-like documents with dynamic schemas, ibm-charts	ibm-mqadvanced-server-dev IBM MQ queue manager ibm-charts	ibm-nodejs-sample A self-describing Node.js sample application ibm-charts
ibm-odm-dev IBM Operational Decision Manager for Developers ibm-charts	ibm-open-liberty Open Liberty for Linux on x86 ibm-charts	ibm-postgres-dev Object-relational database management system (ORDBMS) with an emphasis on extensibility and on ibm-charts
ibm-rabbitmq-dev Open source message broker software that implements the Advanced Message Queuing ibm-charts	ibm-skydive-dev Skydive is an open source real-time network topology and protocols analyzer. ibm-charts	ibm-spectrum-symphony IBM Spectrum Symphony ibm-charts
ibm-transadv-dev IBM Cloud Product Insights Transformation Advisor ibm-charts	ibm-websphere-liberty WebSphere Liberty for Linux on amd64, ppc64le and s390x ibm-charts	

ODM for Developers is automatically displayed in the ICP catalog

What's included in ODM on ICP and ODM for Developers



Focus on **'happy path'**, with support for:

- Decision service projects only
- Decision engine only
- Decision invocation through web service only

Only with the following **supported databases**:

- ODM on ICP: PostgreSQL or DB2
- ODM for Developers: H2 or PostgreSQL

What's NOT included or supported in ODM on ICP and ODM for Developers



Deprecated features for ODM on-prem:

- Classic rule projects and Decision Validation Services
- Classic rule engine

Decision Center or RES customizations that require repackaging of the WAR file

- Due to Docker approach

Other features not included or supported:

- Build Command
- Sample Console in Rule Designer
- RES invocation through Java or EJB rule session API
- Custom permissions on decision services through the Enterprise Console

Samples and Tutorials

New ODM samples and tutorials are published on <https://odmdev.github.io/#/odm>

- For ODM on ICP and other ODM products

New tutorial:

- [Getting Started for ODM on ICP](#)

And also:

- ODM on Cloud tutorial: Debugging a decision service
- Samples and contributions to facilitate RPA - ODM integration
- Contributions for Decision Server Insights

Other targeted improvements in ODM 8.9.2

Improvements in Decision Center

Use the **archiving tool** with confidence

- Improved documentation and internal improvements

Business Console enhancements

- User can move a rule folder within a decision service
- User can better compare test results including collections, with a redesigned UI

Enable non-admin users to publish a decision service from Rule Designer to Decision Center

- Not activated by default

New tutorial on how to [manage user access with LDAP](#)

Expand RES Java SE usage to new use cases

Load and execute ruleApps with RES API, but without requiring file or DB persistence

- Use RES XU with a **new in-memory persistence**
- RES Java SE reads a ruleApp from classpath or URL.
- No need to use anymore lower level rule engine API

Benefits:

- Easily embed rule execution capability into **Hadoop / Spark grids**, or Jupyter notebooks
- Deploy **Java based decision micro services**
 - Self contained WAR file with application code and rules in it

Samples:

- RES JSE execution stack with a memory persistence [here](#)
- ODM decisions on Spark: <https://github.com/ODMDev/decisions-on-spark>

Platforms updates in ODM 8.9.2

Added:

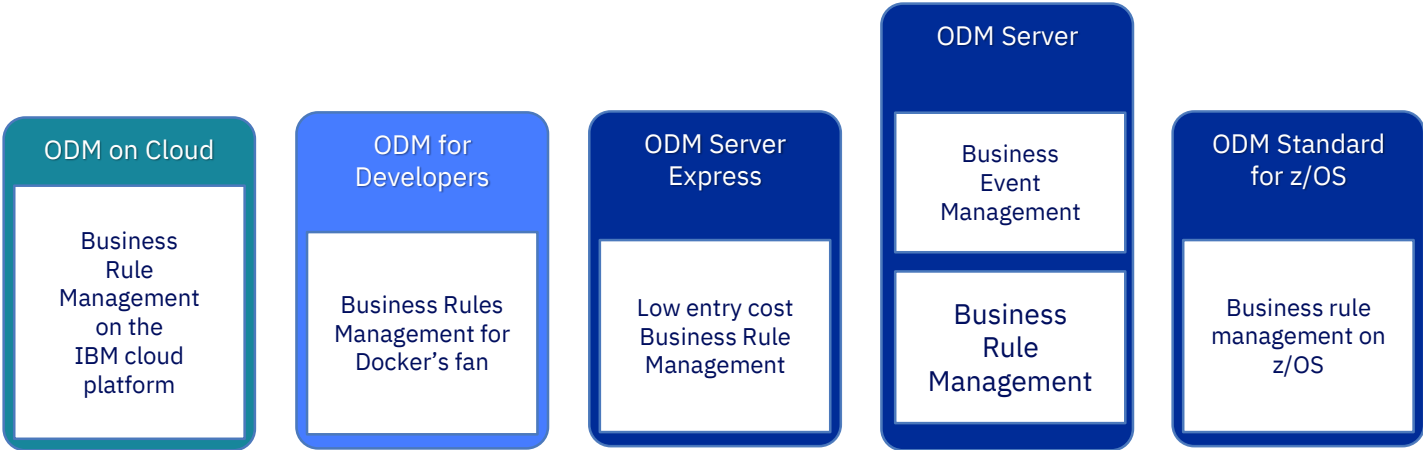
- IBM Cloud Private 2.1.0.2
- OS:
 - Ubuntu 16.04
 - AIX 7.2
- Databases:
 - PostgreSQL 9.6
 - Db2 12 for Z
 - H2 (not for production)
- Hypervisors:
 - KVM 6.5
 - ESXi 6.5

Deprecated: ODM Pattern

- Still shipped and supported in ODM 8.9.2
- Suggested replacement: ODM on IBM Cloud Private

In summary

IBM Decision Management product family



Business level rule management	✓	✓	✓	✓	Via ODM Server
Situation detection				✓	
On-premises		✓	✓	✓	z/OS
Cloud managed service	✓				
IBM Cloud Private (ICP)		✓		✓	
Pricing model	Usage (Monthly subscription)	Free For evaluation and development only	PVU / RVU	PVU / RVU VPC (ICP only)	MSU/CBP(*)

(*): Container Based Pricing for z/OS

For more information

[ODM 8.9.2 Knowledge Center](#)

ODM 8.9.x [Technotes](#)

ODM announcements (March 13, 2018):

- [Main ODM 8.9.2 announcement letter](#)
- Related announcement for [software withdrawal and support discontinuance](#)

Latest ODM news on the [ODM Developer Center](#)

