

IBM ODM on Cloud Product Overview

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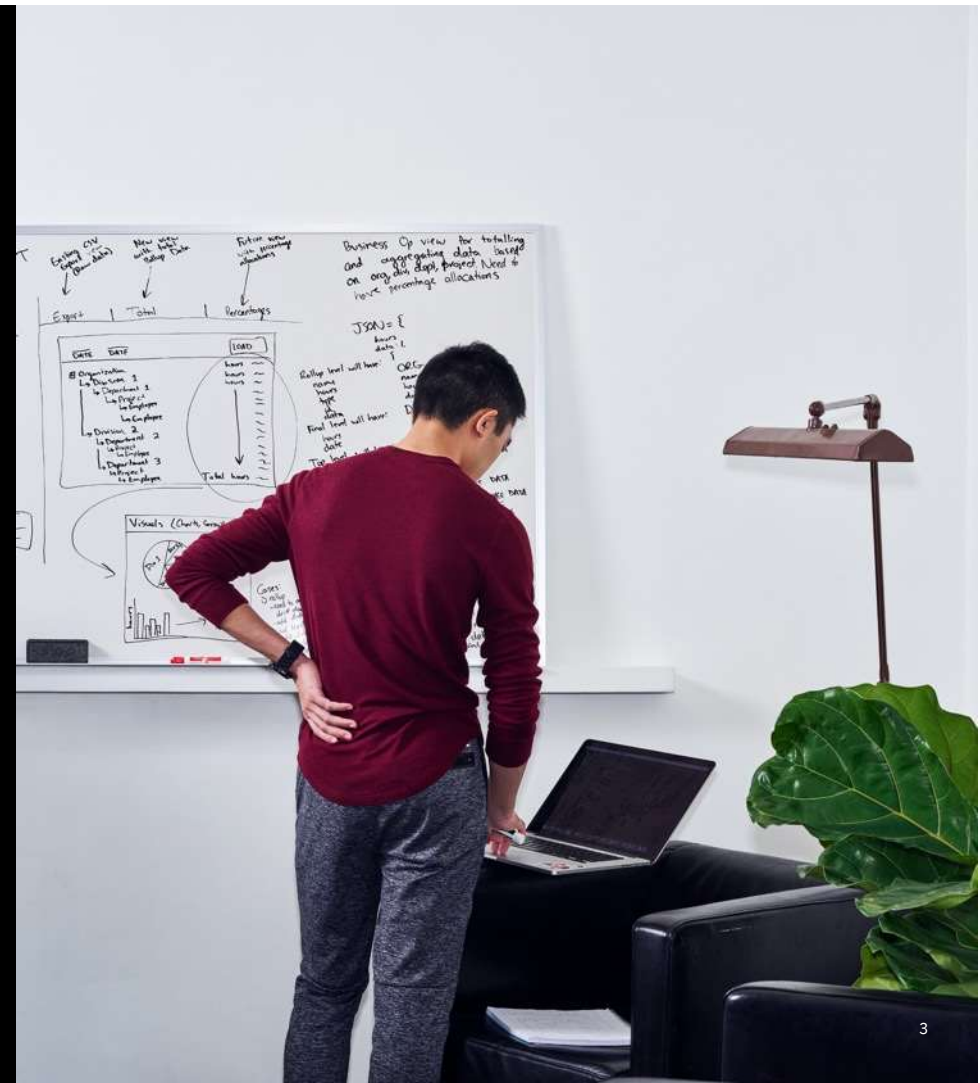
Learn how IBM Operational Decision Manager (ODM) enables you to [capture](#), [automate](#), and [manage](#) the operational decisions that are important to your business.

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IBM ODM on Cloud offerings

Business Rule Management
on the IBM cloud platform

	ODM on Cloud	ODM on Cloud Express
Business level rule management	☐	☐
Cloud managed service	☐	☐
Entry point edition		☐
Pricing model	Usage (Monthly subscription)	Usage (Monthly subscription with limitations)



Drivers to Operational Decision Manager (ODM) on Cloud



Capture, automate and govern frequent, repeatable decisions



Fast time-to-value



Accelerate application delivery



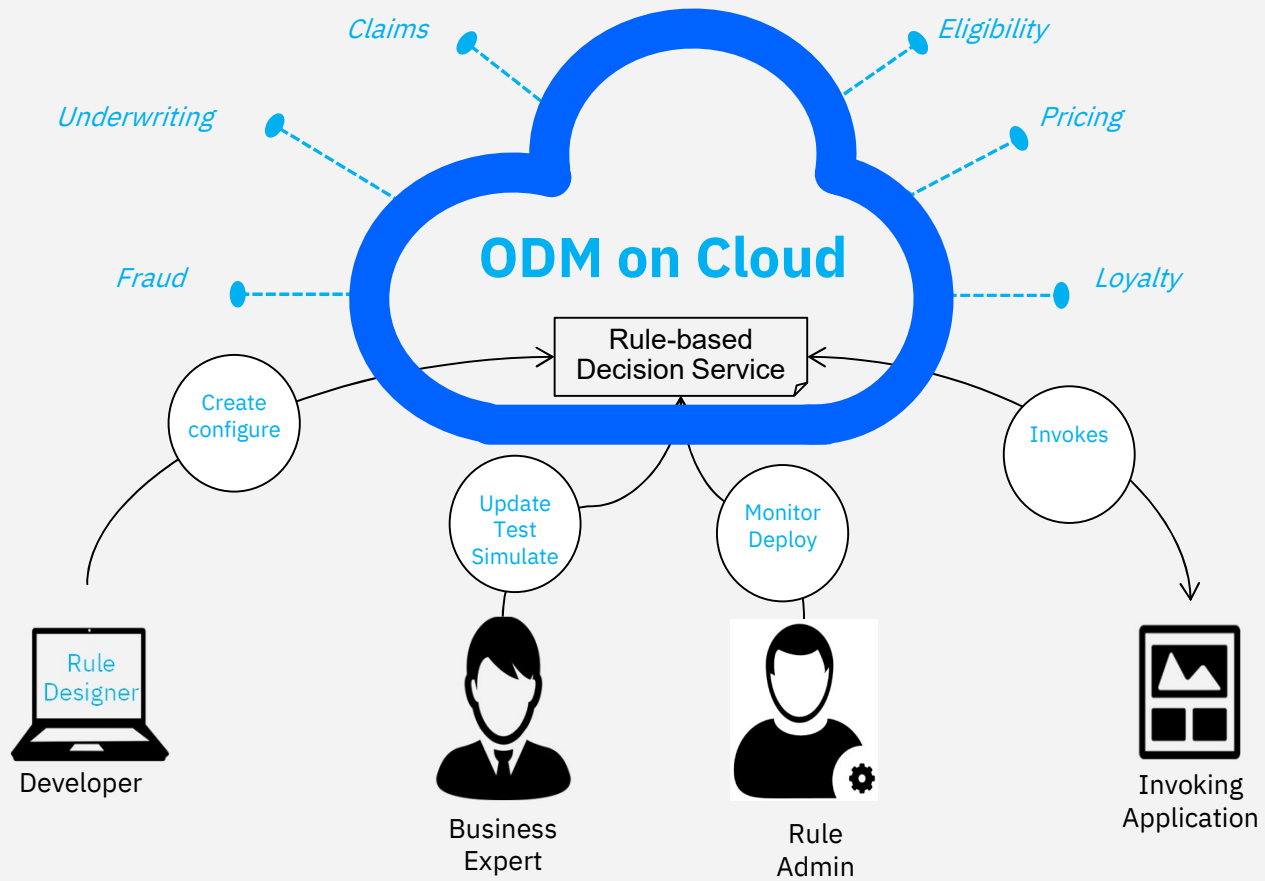
Put the focus on decisions, not operation

What is ODM on Cloud

IBM Operational Decision Manager (ODM) on Cloud is a collaborative, role-based **cloud service** to capture, automate, and manage frequently occurring, repeatable rules-based business decisions.

Capability	Value
Based on a market leading Business Rule Management System (BRMS)	Proven concept of operations and well adopted technology
Operational in less than 48 hours	Fast Time-to-value
Out-of-the-box development test and production environments	Agility and ease-of-use
Optional additional execution environments	Align ODM on Cloud more closely to your staging process
Role based environment	Improved governance
IBM Cloud infrastructure managed by IBM	Security and dependability
Monthly subscription model	Low entry cost, no CAPEX
Compatible rules artifacts	Bridge from on premise to SAAS

Introducing ODM on Cloud



IBM ODM on Cloud lets you focus on managing and automating decisions



IBM manages

- Uptime
- Monitoring
- Backup
- High availability
- Disaster recovery
- Updates
- Maintenance

(Predefined SLA)



You manage

- Application development
- Application integration
- Application support

Benefits of an IBM Cloud offering



From build it yourself...

Separately procure and install software, service and hardware

Sign multiple contracts, often with varying terms

Up front capital investment to procure software, hardware, and implementation services

Ongoing management, maintenance and upgrade



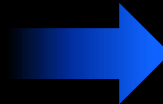
...to integrated, fast and flexible

Get started right away

One business solution; one contract; one subscription price

No capital investment, scale when needed

- Focus on your core competencies and reduce time spent on “keeping the lights on”
- Keep up to date with the latest releases and innovations



Key features

IBM ODM on Cloud



Develop, test and production

Each instance comes
with three environments



Security

Onboard directory, SSL,
SAML enabled authentication



Higher availability

Connect a Single Decision
Center to multiple execution
instances



Greater flexibility

Optional additional
execution environments
for both ODM on Cloud
and ODM on Cloud Express



Faster time-to-value

Provisioned in less than
48 hours in any IBM Cloud
(SoftLayer) Data Center
worldwide



Improved self-service capabilities

- Logging through IBM Cloud's LogDNA for debugging
- Metering usage (decisions and artifacts) through the DBA portal

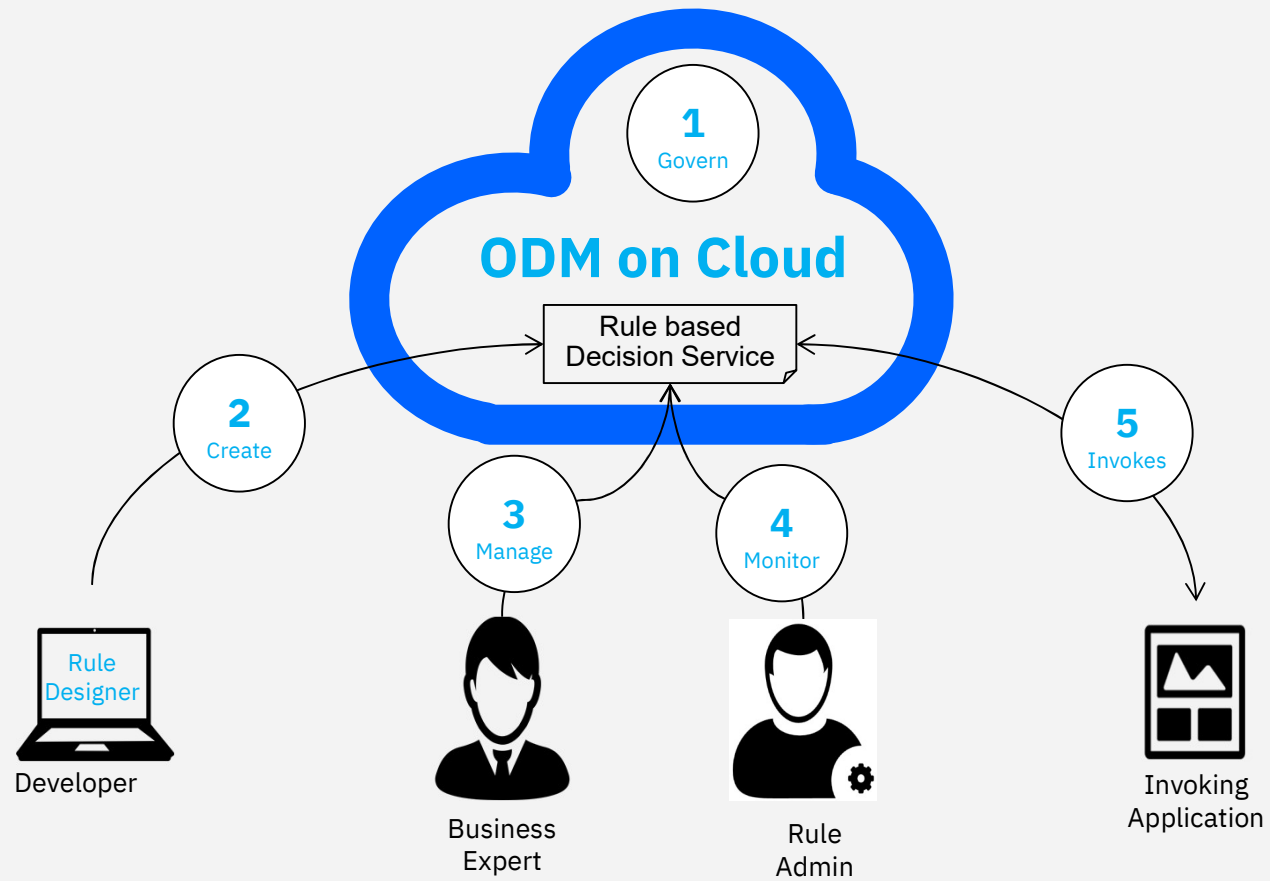


Simplicity

Eliminates typical inhibitors
to starting ODM projects

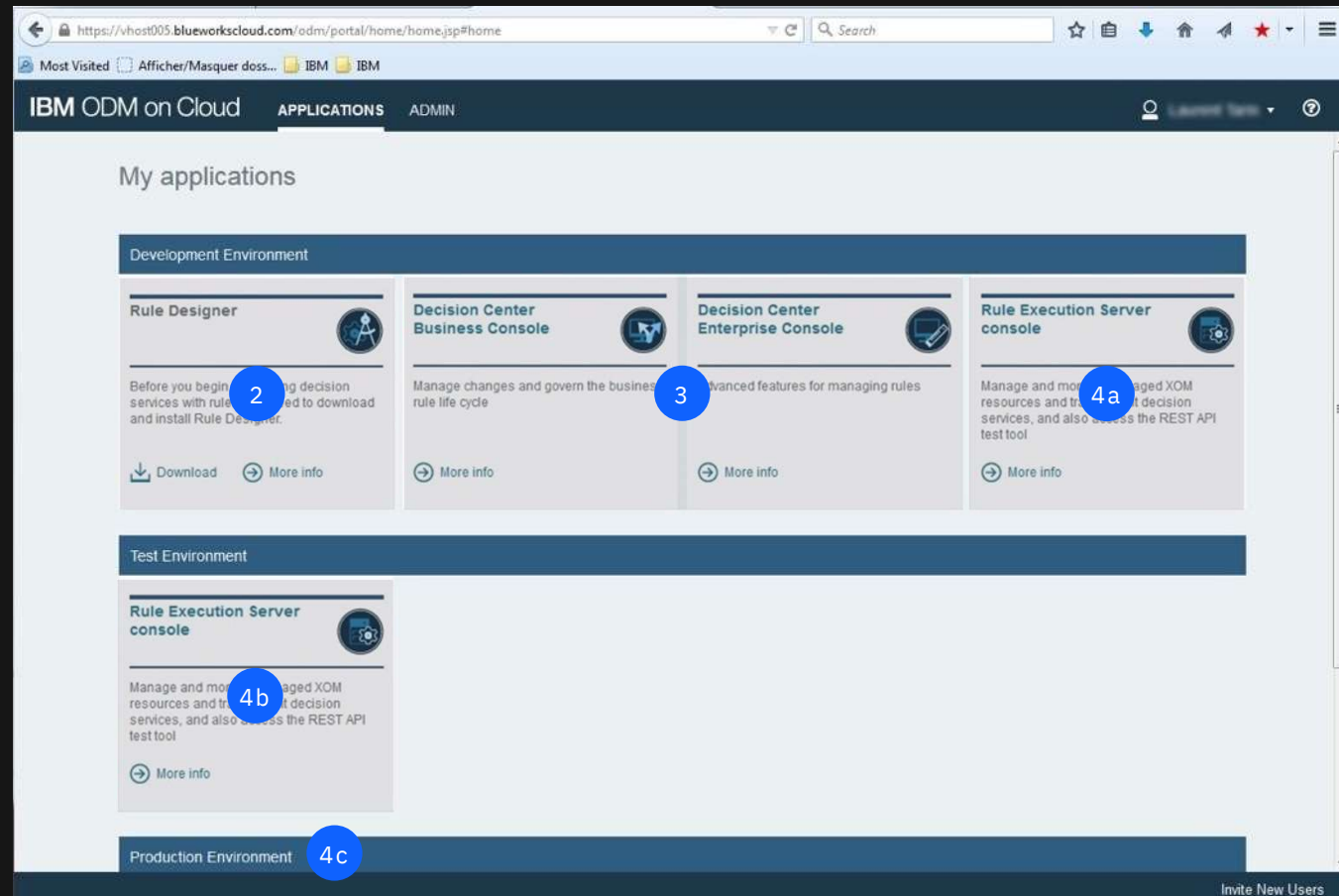
IBM ODM on Cloud concept of operation

Concept of Operations



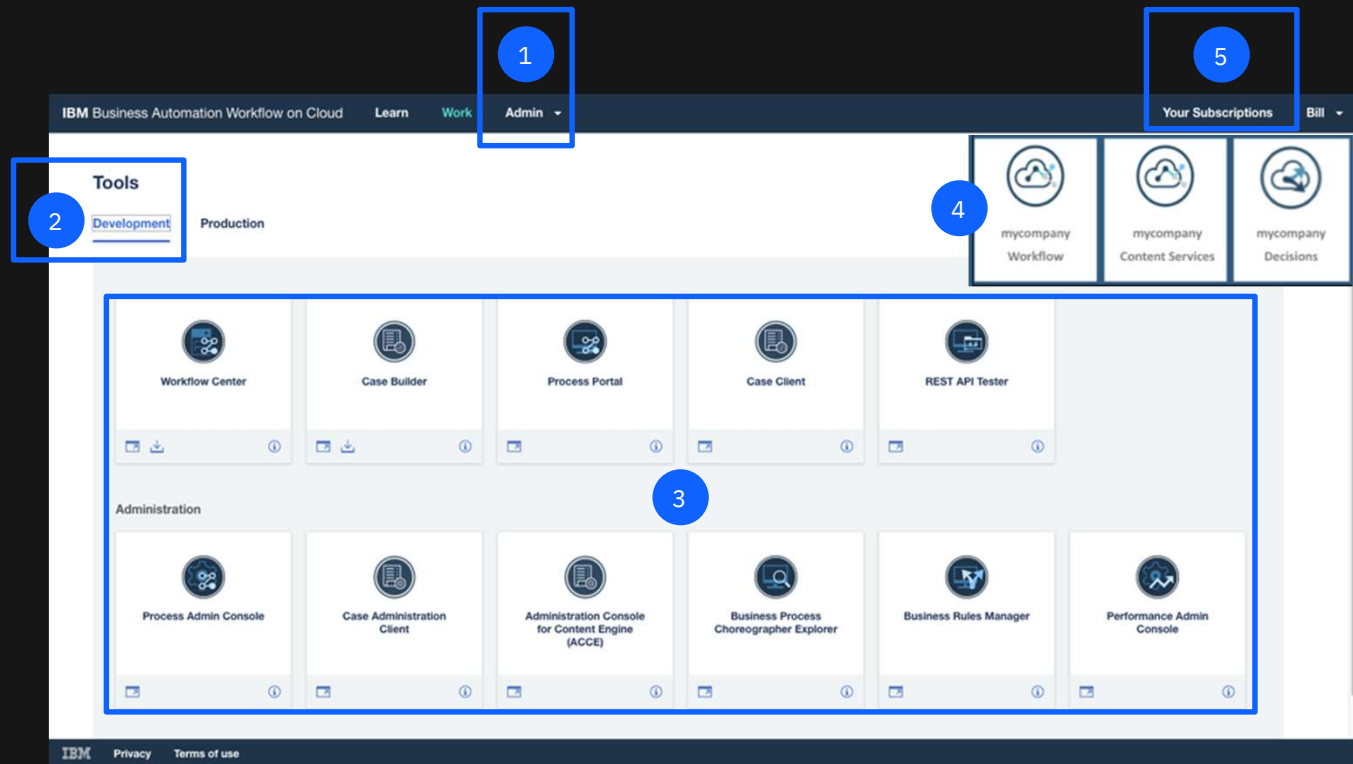
The portal displays environments and tabs according to user access

- 1 Govern (not shown)
- 2 Create
- 3 Manage
- 4
 - a. Execute development
 - b. Execute test
 - c. Execute production



Access tools and user interfaces via the SaaS portal

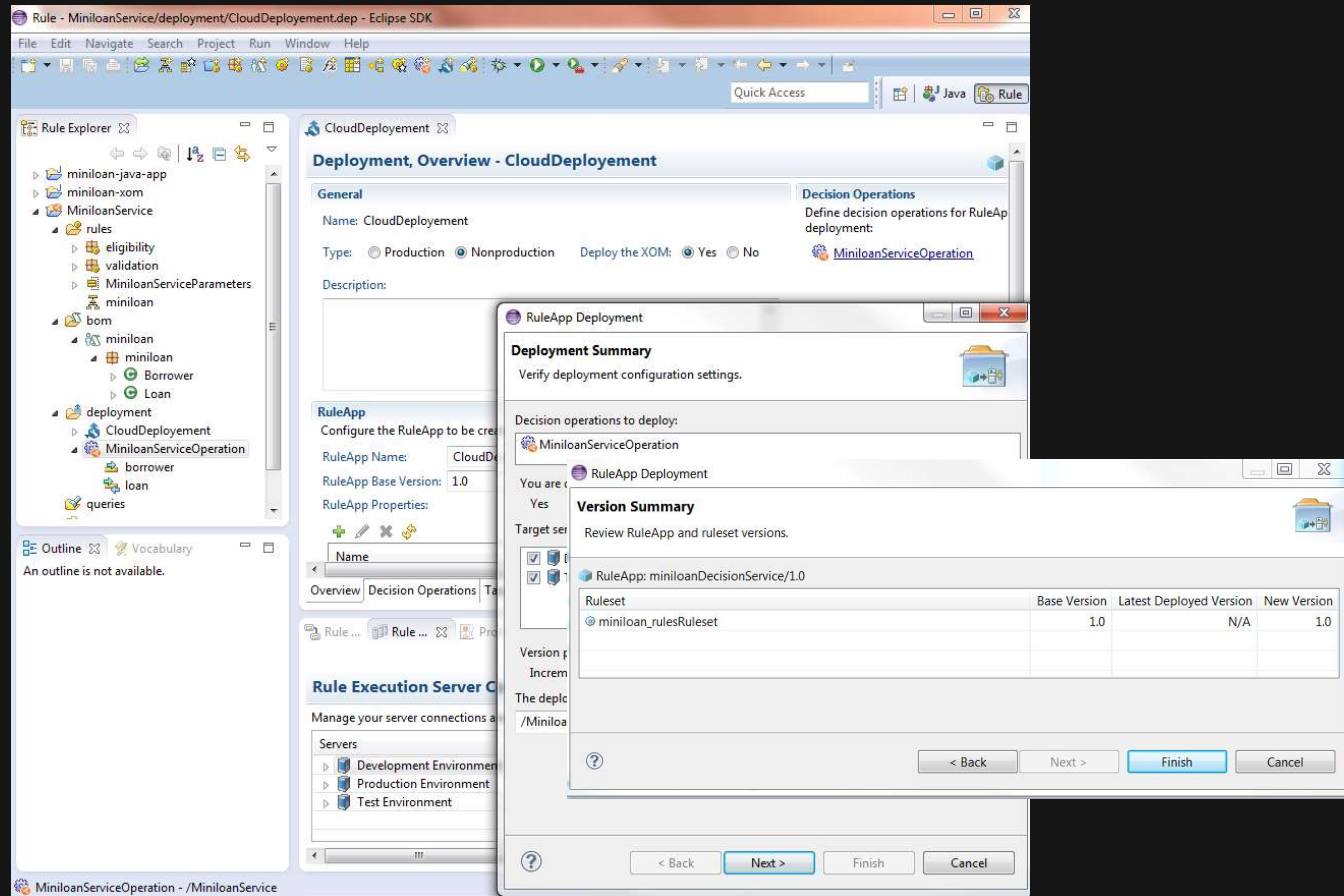
- 1 Self-service admin
- 2 Access multiple environments
- 3 Capability user interfaces
- 4 Workflow subscription
- 5 Switch



Rule Designer is downloaded from the portal and configured to work with the cloud instance

Developer environment to:

- Define models and rule projects
- Configure Decision Services



End-to-end business rule management from the cloud

Trace update history



Update policies

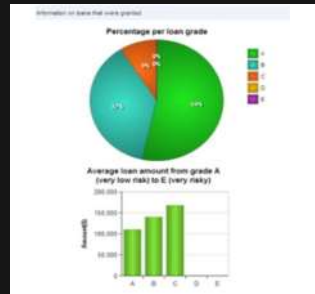
```

if the driver has completed
  a drivers education course
and the number of accidents
  the driver has been involved is 0
then
  add a 2 % discount to 'Auto Quote Response'
  , reason: "Good Driver Discount" ;
  
```

Collaborate



Test and simulate



Track update tasks



Compare versions

Version	New Price	Discount	Risk Factor	Old Price	Inclusive	Base Premium
1	\$1,100.00	0%	50	\$1,100.00	\$20	\$50
2	\$1,200.00	0%	50	\$1,200.00	\$20	\$50
3	\$1,300.00	0%	50	\$1,300.00	\$20	\$50
4	\$1,400.00	0%	50	\$1,400.00	\$20	\$50
5	\$1,500.00	0%	50	\$1,500.00	\$20	\$50
6	\$1,600.00	0%	50	\$1,600.00	\$20	\$50
7	\$1,700.00	0%	50	\$1,700.00	\$20	\$50
8	\$1,800.00	0%	50	\$1,800.00	\$20	\$50
9	\$1,900.00	0%	50	\$1,900.00	\$20	\$50
10	\$2,000.00	0%	50	\$2,000.00	\$20	\$50

Decision Center,
Enterprise and
Rule Execution
Server consoles
are accessible
from the portal

The screenshot displays the IBM Decision Center portal interface. At the top, there is a navigation bar with 'Decision Center', 'HOME', 'LIBRARY', 'WORK', and 'ADMINISTRATION' tabs, along with a user profile 'laurent.tarin@fr.ibm.com'. Below this, the 'Decision Services' section features a list of service cards, each with a 'NEW' badge and a 'Last updated by' field. The cards include 'MiniloanService', 'Loan Validation DS', 'Loan Validation', 'Miniloans', and 'MyService'. Overlaid on the portal are three browser windows. The top window shows the 'Rule Execution Server' console with a 'RuleApps View' section. The middle window shows the 'Decision Center' console with a 'Business Rules' table. The bottom window shows a table with columns for 'Number of rulelets', 'Downloaded Archive', and 'Display Size'.

Number of rulelets	Downloaded Archive	Display Size
1	Downloaded Archive	
1	Downloaded Archive	
1	Downloaded Archive	
2	Downloaded Archive	

Business Rules	Active	Ready	Last Changed By	Last Changed On
minimum credit score	Yes		laurent.tarin@fr.ibm.com	4/21/2016 09:00
minimum income	Yes		laurent.tarin@fr.ibm.com	4/21/2016 09:00
approval and score	Yes		laurent.tarin@fr.ibm.com	4/21/2016 09:00

Out-of-the-box users and role management

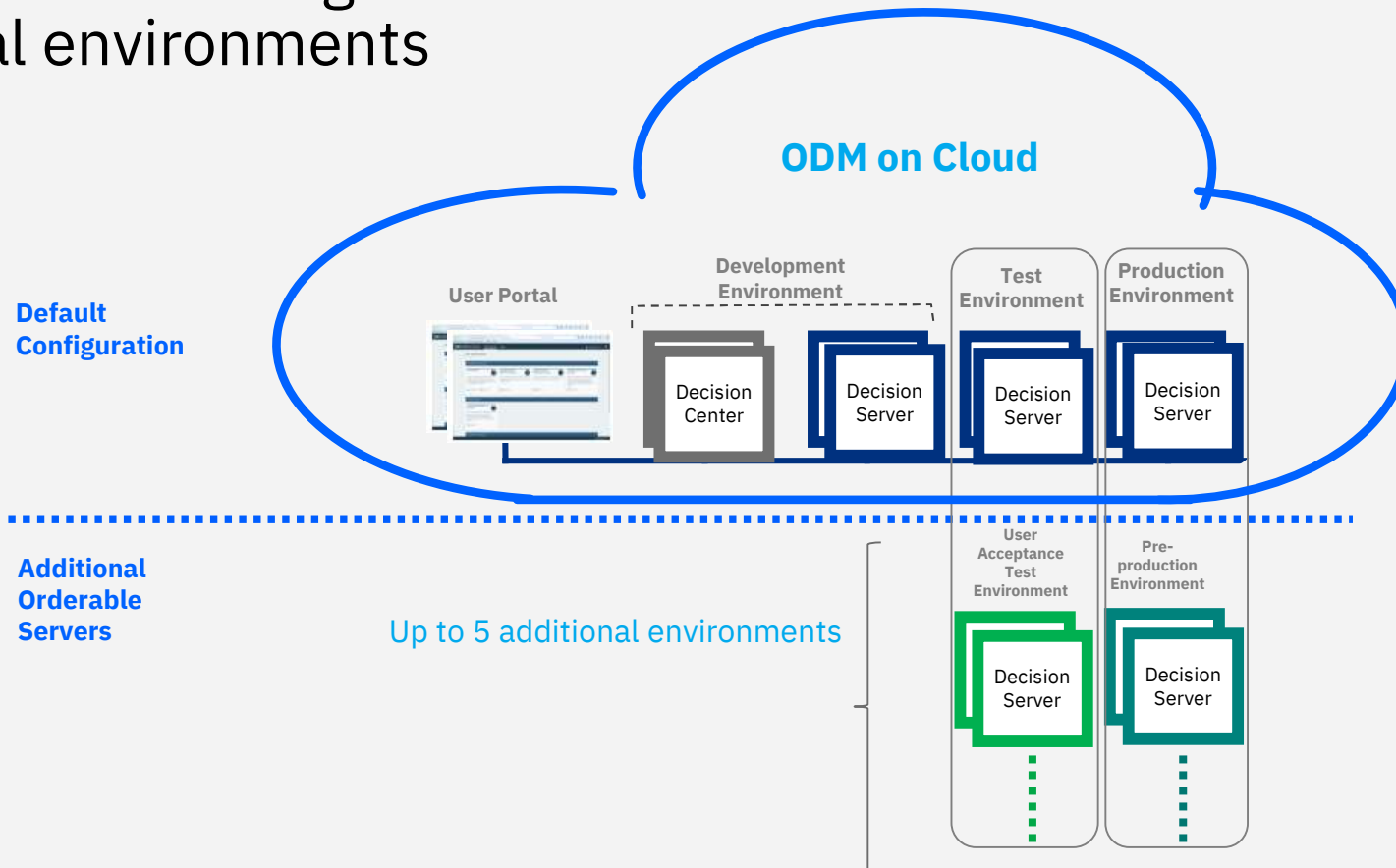
- Simple Admin GUI to manage roles
- Roles are assigned in just one click
- New users are invited via emails

The screenshot shows the 'Invite New Users' page in the IBM ODM on Cloud Admin GUI. The page features a table with the following columns: User, Cloud role, ODM role, and Email. The table contains 10 rows of user data. Three callout boxes are overlaid on the right side of the page, each pointing to a specific role in the table:

- Administrator** (checked): Manages users and roles in ODM on Cloud.
- Business User** (unchecked):
 - Can create and edit rules in Rule Designer and Decision center.
 - Can deploy to the Development environment.
- Release Manager** (checked):
 - Can create and edit rules in Rule Designer and Decision center.
 - Can access administrative capabilities of Decision Center.

User	Cloud role	ODM role	Email
...	Administrator	Release Manager	...
...	Administrator	Release Manager	...
...	Administrator	Release Manager	...
...	Administrator	Release Manager	...
...	Administrator	Release Manager	...
...	None	Integration Developer	...
...	None	IT Support Admin	...
...	Administrator	Release Manager	...
...	Administrator	Rule Developer	...
...	Administrator	Release Manager	...

IBM ODM on Cloud now offers the option of ordering additional environments



Portal view with example additional environments

The screenshot displays the IBM ODM on Cloud portal interface. At the top, there is a navigation bar with 'IBM ODM on Cloud', 'APPLICATIONS', and 'ADMIN' tabs. A user profile 'Nicolas Sautrey' is visible in the top right corner. The main content area is organized into three horizontal sections: 'Development Environment(s)', 'Test Environment(s)', and 'Production Environment(s)'. Each section contains several cards representing different components. In the 'Development Environment(s)' section, there are four cards: 'Rule Designer', 'Decision Center Business console', 'Decision Center Enterprise console', and 'Rule Execution Server (Development)'. In the 'Test Environment(s)' section, there are two cards: 'Rule Execution Server (Test)' and 'Rule Execution Server (User Acceptance Tests)'. In the 'Production Environment(s)' section, there are two cards: 'Rule Execution Server (Pre-Production)' and 'Rule Execution Server (Production)'. Each card includes a title, a brief description, and 'Launch' and 'More info' buttons. The 'Rule Execution Server (User Acceptance Tests)' card in the Test Environment and the 'Rule Execution Server (Pre-Production)' card in the Production Environment are highlighted with red borders.

IBM ODM on Cloud APPLICATIONS ADMIN Nicolas Sautrey

Development Environment(s)

- Rule Designer**
Build a decision service to author and run the business rules that implement your business decisions.
Download More info
- Decision Center Business console**
Author, test, govern and deploy decision services.
Launch More info
- Decision Center Enterprise console**
Perform occasional administration or advanced management activities.
Launch More info
- Rule Execution Server (Development)**
Manage and monitor decision services deployed from Rule Designer or Decision Center as part of your activities for Development.
Launch More info

Test Environment(s)

- Rule Execution Server (Test)**
Manage and monitor decision services deployed from Decision Center as part of your testing activities related to Test.
Launch More info
- Rule Execution Server (User Acceptance Tests)**
Manage and monitor decision services deployed from Decision Center as part of your testing activities related to User Acceptance Tests.
Launch More info

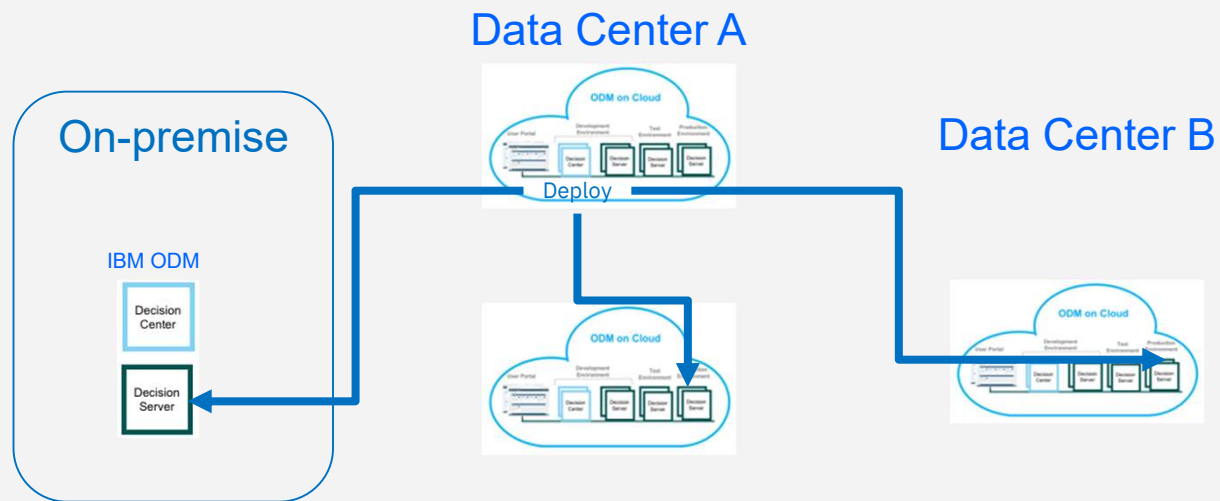
Production Environment(s)

- Rule Execution Server (Pre-Production)**
Manage and monitor decision services deployed from Decision Center as part of your applications running in the context of Pre-Production.
Launch More info
- Rule Execution Server (Production)**
Manage and monitor decision services deployed from Decision Center as part of your applications running in the context of Production.
Launch More info

With ODM on Cloud you have more choices in deployment

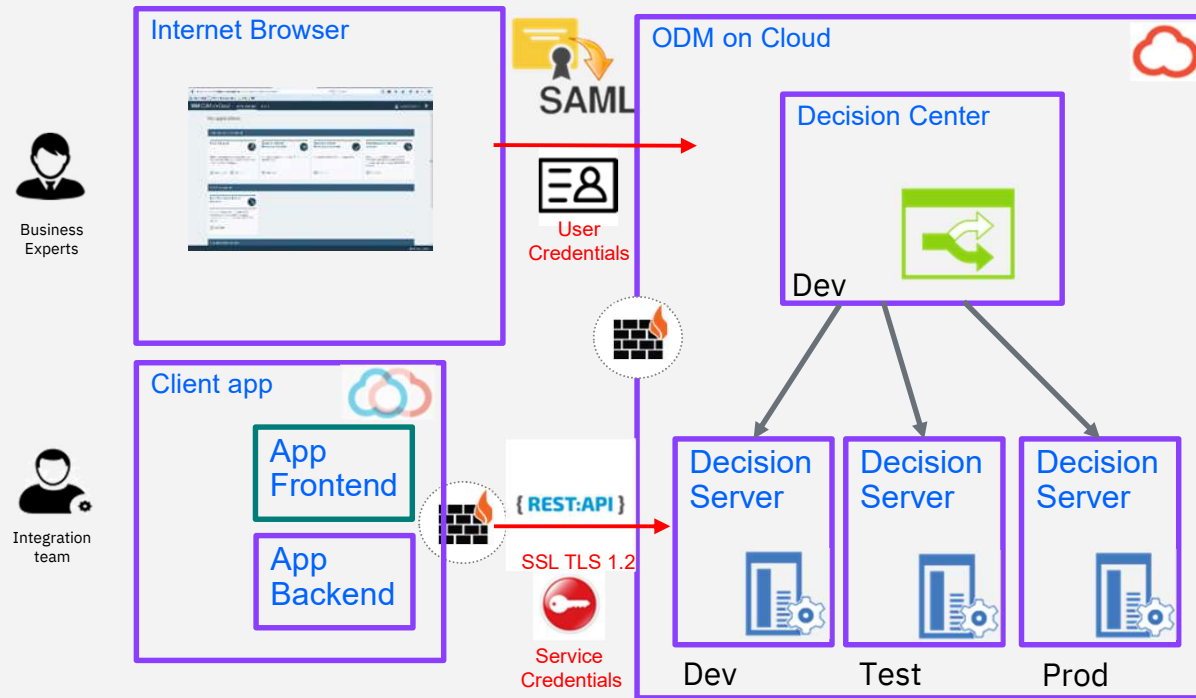
4
Execute

It is now also possible to point your Decision Center to multiple instances either **in the same or different data centers or to an on-premise ODM Server**



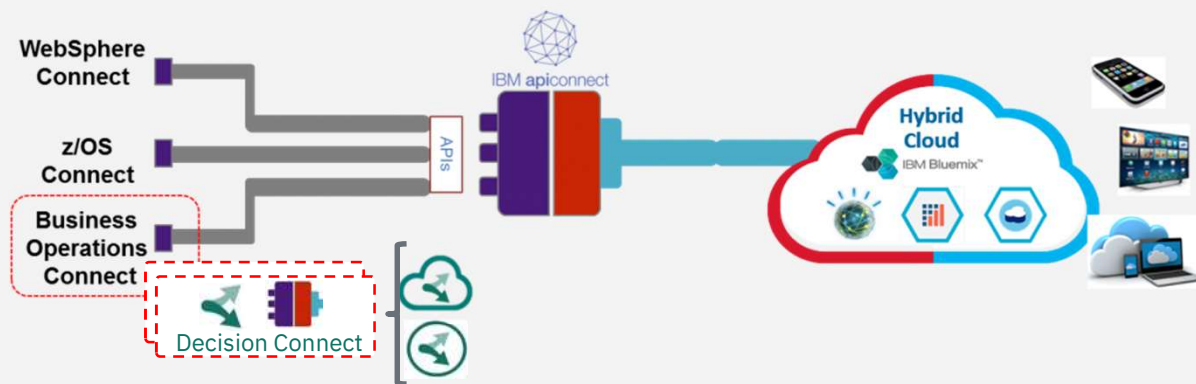
ODM on Cloud 2018.6

Using ODM on Cloud



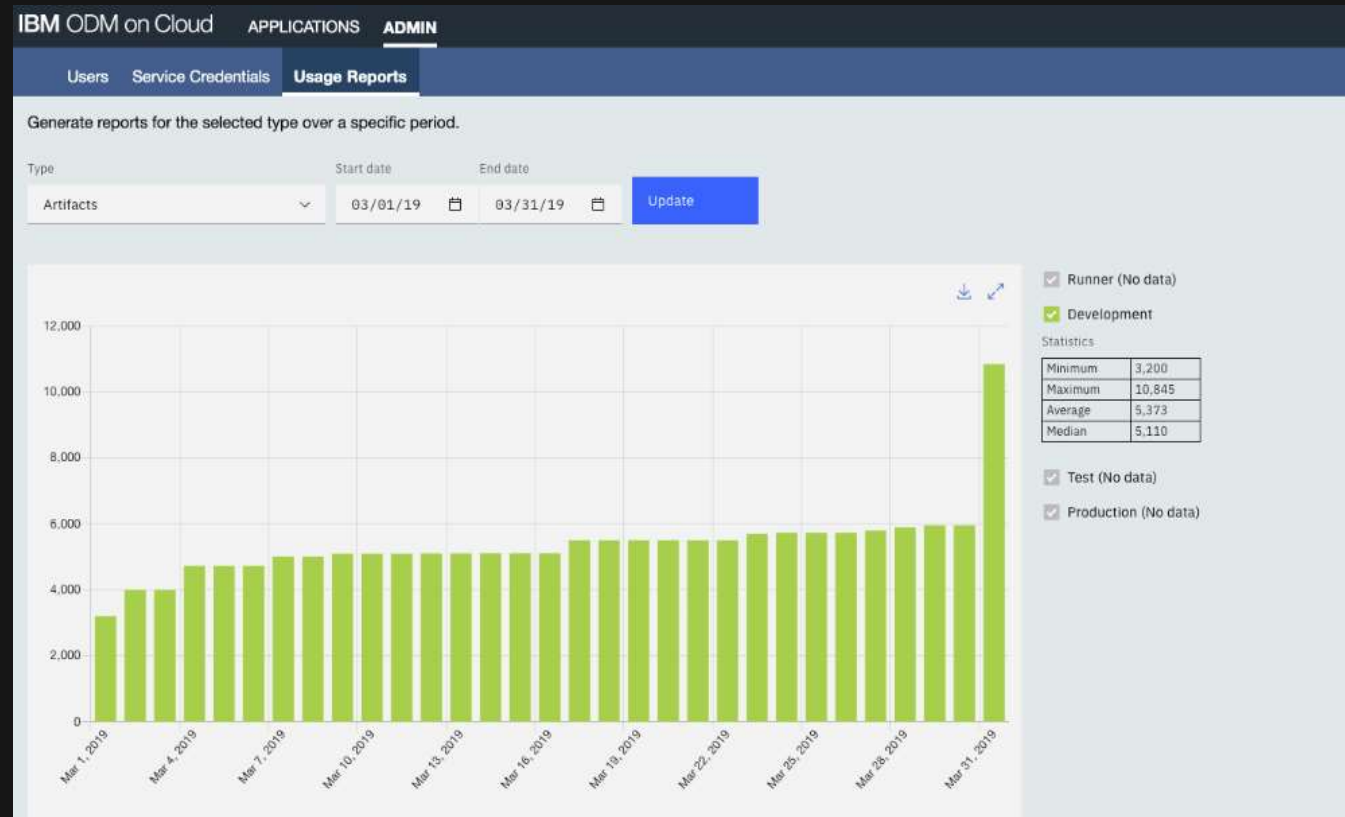
Simplify the journey to the API economy

- Enhanced integration of decision service API into invoking application
- OpenAPI description generated for runtime decision services
- Allows publishing OpenAPI Decision Service to API Connect Catalog




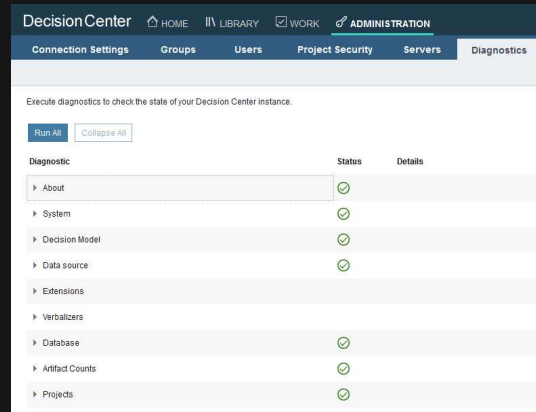
Self-service metrics for artifacts is available through the portal

- Self-service capability for admins through the DBA portal, admins can get a view of artifact usage through the month.
- Views available for total artifacts and billable artifacts. The difference is that billable artifacts don't count those in the recycle bin are smart views.



Alternate way to view artifacts for Decision Center administrators

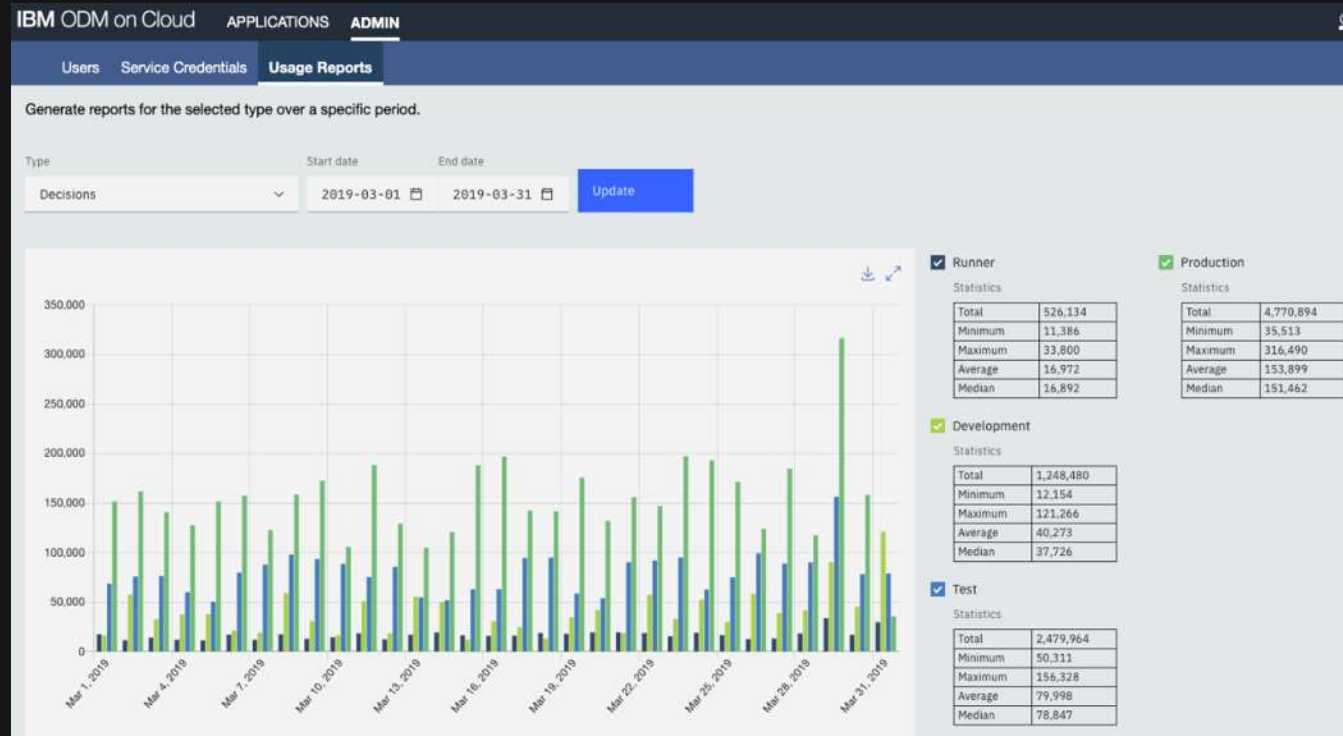
Diagnostics page in business console



Artifact Counts	Status	Count
Total artifacts	✓	739
BOM	✓	16
BOM to XOM Mapping	✓	16
Decision Operation (Business Console)	✓	10
Deployment Configuration (Business Console)	✓	1
Query	✓	125
Resource	✓	13
Rule Artifact	✓	486
Ruleflow	✓	12
Scenario suite	✓	1
Template	✓	19
Variable Set	✓	12
Vocabulary	✓	28

Detailed section on **artifacts counts**, which matches the ODM on Cloud portal view

Self-service metrics for Decisions with more detailed views is also available through the portal



Use REST API to retrieve execution unit (XU) statistics from Decision Center

You can now identify execution units and retrieve their execution statistics by API.

REST API

REST API tool

You can use this test tool to test the REST API for resource management. To test the REST API for remote ruleset execution, click the Explorer tab and navigate to the Ruleset View.
REST API WADL file: /res/apiauth/v1/DecisionServer.wadl

/ruleapps /rulesets /libraries /xoms /decisiontraces **/executionunits** /utilities

GET /executionunits
getExecutionUnits Returns information about all Execution Units.

GET /executionunits?count=true
getCountOfExecutionUnits Counts the number of elements in this list.

GET /executionunits/{executionunitreference}/statistics/{ruleappname}/{ruleappversion}/{rulesetname}/{rulesetversion}
getRuleSetStatisticsForExecutionUnit Returns execution statistics about a ruleset, considering a specific Execution Unit.

GET /executionunits/statistics/{ruleappname}/{ruleappversion}/{rulesetname}/{rulesetversion}
getRuleSetStatistics Returns execution statistics about a ruleset, considering all Execution Units.

DELETE /executionunits/statistics/{ruleappname}/{ruleappversion}/{rulesetname}/{rulesetversion}
resetRuleSetStatistics Resets execution statistics about a ruleset.

Easy way to size workload if considering a move to cloud

For existing workload on ODM on prem that is being considered for migration to ODM on Cloud, it is now easier to determine the entitlement needed for ODM on Cloud using these two methods from the Decision Center.

Artifact count

Artifact Counts		✓
Total artifacts	✓	739
BOM	✓	16
BOM to XOM Mapping	✓	16
Decision Operation (Business Console)	✓	10
Deployment Configuration (Business Console)	✓	1
Query	✓	125
Resource	✓	13
Rule Artifact	✓	486
Ruleflow	✓	12
Scenario suite	✓	1
Template	✓	19
Variable Set	✓	12
Vocabulary	✓	28

Decision count

The screenshot shows the REST API tool interface with the following details:

- Navigation tabs: Home, Explorer, Decision Warehouse, Diagnostics, Server Info, REST API.
- REST API tool title and description.
- REST API WADL file: /res/api/v1/DecisionServer.wadl
- Navigation menu: /ruleapps, /rulesets, /libraries, /xoms, /decisiontraces, **/executionunits**, /utilities.
- GET /executionunits: Returns information about all Execution Units.
- GET /executionunits/count=true: getCountOfExecutionUnits Counts the number of elements in this list.
- GET /executionunits/{executionunitreference}/statistics/{ruleappname}/{ruleappversion}/{rulesetname}/{rulesetversion}: getRulesetStatisticsForExecutionUnit Returns execution statistics about a ruleset, considering a specific Execution Unit.
- GET /executionunits/statistics/{ruleappname}/{ruleappversion}/{rulesetname}/{rulesetversion}: getRulesetStatistics Returns execution statistics about a ruleset, considering all Execution Units.
- DELETE /executionunits/statistics/{ruleappname}/{ruleappversion}/{rulesetname}/{rulesetversion}: resetRulesetStatistics Resets execution statistics about a ruleset.

Two ways to get logs for debugging

1.

We have always provided logs [from operations to the customers](#) as required and that will continue

2.

You also have the choice to use a powerful tool called [Log DNA](#) on the IBM cloud to connect to your instance and get logs yourself

IBM Log Analysis with LogDNA

Third Party • IAM-enabled

LogDNA provides log collection and log search for IBM Log Analysis. Define alerts and design custom views to monitor application and system



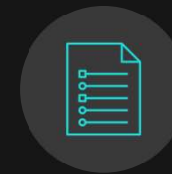
1. Customers need to go to the IBM Cloud Catalog and subscribe to the service
2. Customers then provide their credentials to IBM ODM operations team
3. Instance is then enabled for customer self-service—you only pay for what you need and the pricing is very low for the volumes most

[IBM Cloud](#)

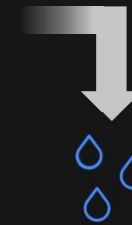
The IBM ODM on Cloud offerings

ODM is also available as part of a flexible Digital Business Automation (DBA) on Cloud subscription

- ✓ FlexPoints simplify planning for adoption and growth
- ✓ Enable change of capabilities over time as needs change
- ✓ Add more FlexPoint as needed



DBA on Cloud
FlexPoints



IBM Digital Business
Automation on Cloud

Choose how you want to
deploy your FlexPoints



Blueworks
Live

Workflow

Content
Services

Content
Analyzer

Decision

ODM on Cloud Express edition

Objectives:

- Suitable for small/medium size projects
- Designed for small non mission-critical projects
- A new alternative to our Business Rule Service for Bluemix
- An entry point to IBM ODM on Cloud
- Low entry cost solution of **\$3000/month**

IBM Operational Decision Management on Cloud Express offers a new lower priced entry point for IBM Operational Decision Management on Cloud

IBM United States Software Announcement 218-387
September 25, 2018

ENUS218-387.PDF

Table of contents

* Overview	* Technical information
* Key prerequisites	* Ordering information
* Planned availability date	* Terms and conditions
* Program number	* Prices
* Publications	* Order now

At a glance

This latest release of IBM® Operation Decision Manager (ODM) on Cloud is targeted toward Express® users and offers a:

- Lower priced point
 - Delivers same function as ODM on Cloud, but is provisioned as a single environment only.
 - Designed for non-mission critical applications and High Availability (HA) is not provided.
- Lower entitlement
 - No required minimum.
 - Offering that is priced as an "Instance" with no overages and users are entitled to not more than 1 Million Decisions and 500 Artifacts. For higher entitlements, the ODM on Cloud offering should be ordered.
- Fully managed cloud service with the freedom that it offers

* Back to top

Overview

ODM on Cloud Express is a cloud service that is based on ODM on Cloud but is available at a lower priced entry point. ODM on Cloud helps users capture, automate, and manage rule-based business decisions. It is a business rule automation platform that anyone can work with, from IT to business-line leaders. Users can quickly initiate business rule management projects at lower costs by reducing the need for IT assistance, and hardware and software acquisitions. It can quickly authorize a loan, decide on a promotion, or detect a cross-sell opportunity with high precision and customization. This service allows users to remain up to date and aligned with the changing business objectives of their organization.

ODM on Cloud Express provides:

- Full-decision management. Captures, manages, and automates business policies, practices, and regulations on the cloud. Gain more visibility and control of users' business decisions.

[Announced](#) on September 25; go live on October 19

Demo



Click video to play

Top 10 values you can get from ODM on Cloud

1

Time-to-value

Can be provisioned quickly

2

**No IT to manage
the platform**

3

**No perpetual
license cost**

4

**Subscription
based**

5

**No hardware
to buy**

6

Self-service
Can manage users

7

**Can get development,
test and production
environments**

8

**Secure and
kept secure**

9

**Always
up-to-date**

10

Savings

License cost, hardware cost,
people cost, install/config,
keeping up-to-date with security,
data retention, monitoring

Service pricing— monthly subscription

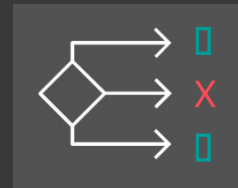
Price per maximum
number of managed
artifacts



Managed artifacts

+

Price per million of
executed decisions
in the mount



Executed decisions

+

Optional additional
environments priced
per environment

- Free SLA
- Overage fees apply

Managed decision artifacts

They count for **1** managed decision artifact:*

Business artifacts

- One BAL rule
- One decision table
- One ruleflow
- One function

Model artifacts

- One decision operation
- One deployment configuration
- One query
- One variable set
- One BOM
- One vocabulary
- One B2X
- One resource

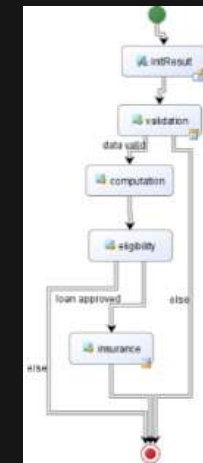
Simulation artifacts

- One metric
- One KPI
- One report format
- One input data
- One simulation

Testing artifacts

- One test suite

*Number of all unique versioned artifacts, that is, **counted only once across all branches, releases and activities**



	Vehicle Value		Deductible	Base Premium
	Lower	Upper		
1			\$250	\$ 100
2	\$ 0	\$ 5,000	\$500	\$ 90
3			\$1000	\$ 85
4			\$250	\$ 120
5	\$ 5,000	\$ 10,000	\$500	\$ 110
6			\$1000	\$ 100
7			\$250	\$ 130
8	\$ 10,000	\$ 20,000	\$500	\$ 120
9			\$1000	\$ 110
10			\$250	\$ 140
11	\$ 20,000	\$ 30,000	\$500	\$ 130
12			\$1000	\$ 120
13			\$250	\$ 155
14	\$ 30,000	\$ 50,000	\$500	\$ 145
15			\$1000	\$ 140
16	\$ 50,000	\$ 100,000	\$250	\$ 170

if
 'the vehicle' has anti lock brakes
and 'the state of residence' is "NJ"
then
 add a 2 % discount to 'the coverage quote' , reason: "Anti-lock Brakes Discount" ;

Roadmap

Next steps

See IBM Operational Decision Manager on Cloud in action

Ask your sales representative to see the solution live

01

02

03

Learn what's possible with a Discovery Workshop

On-site workshop with business to evaluate the applicability of IBM ODM on Cloud for your project

Implement a real project in 10 weeks with a Quick Win pilot

Demonstrate immediate value to your LOB end-users with your first 'Quick Win' in 10 weeks



Thank you

First Lastname

Job Title

—

firstlastname@us.ibm.com

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ibm.com

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