

# Got COBOL, Get BRMS

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### Agenda

- What is a Business Rule Management System (BRMS)
- BRMS Value for System z Applications
- Implementing BRMS on System z
- Conclusion, Q&A



#### Business Decisions are Everywhere...

We need to add an eligibility check to meet the requirements of the new regulation.

Let's create a special promotion for our best customers.

**Compliance Screening** 

**Documentation Requirements** 

Up-sell/Cross-sell offer Commissions / Royalties

Tax calculation

Underwriting

Billing

Eligibility

Fraud assessment

Configuration

Pricing

**Benefit calculation** 

**Accounting Disposition** 

**Product Selection** 

Cap we automate approvals for this type of order?

# **And Changing Frequently**



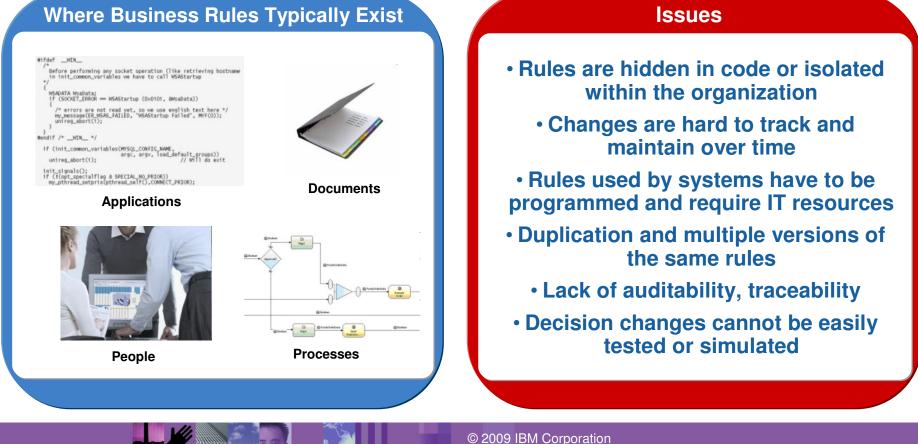


#### **Traditional Approach for Managing Decision Change**

The traditional (ad hoc) approach of dealing with rule changes leads to...

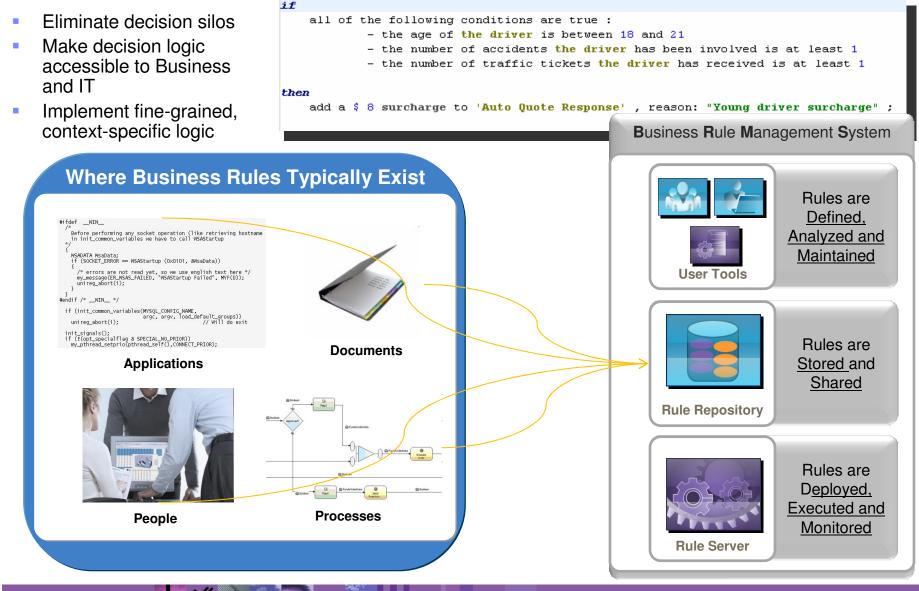
#### Reduced organizational agility

- Reduced employee productivity
- Increased load on IT





## Manage and Automate Decision Logic with BRMS





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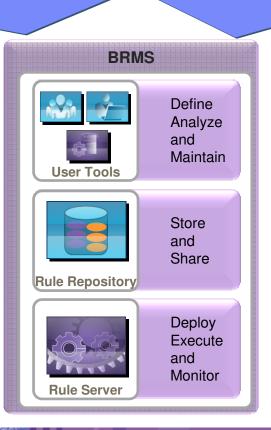


#### Value of BRMS on System z

A BRMS manages the business logic in a form that is EASILY readable, manageable and changeable

Agility

Use BRMS to define and manage evolving automated decision logic

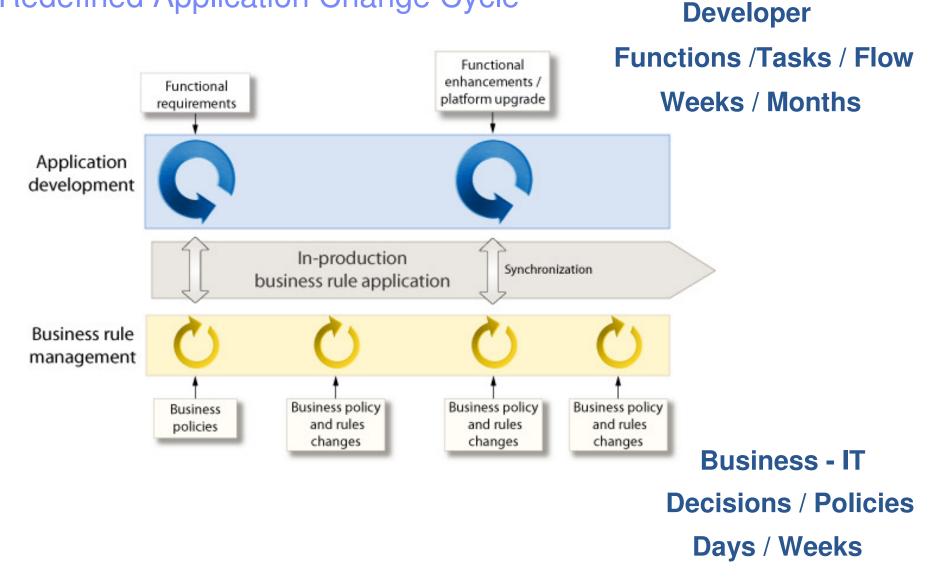


Reuse

Use BRMS to ensure business policy continuity across the enterprise



## Redefined Application Change Cycle





### BRMS Brings Reuse to System z

#### Without a BRMS, rules are:

- Hidden in code, databases,...
- Potentially undocumented
- Accessible only by IT people
- Subject to same life cycle as the core code

#### With BRMS, rules are:

- Expressed and documented in business terms
- Versioned
- Able to rapidly change based on business needs
- Managed and shared with collaborative web tools
- Easily reusable across applications
- Easily implemented as Java or SOA decision services, or as native COBOL code (with the right BRMS)



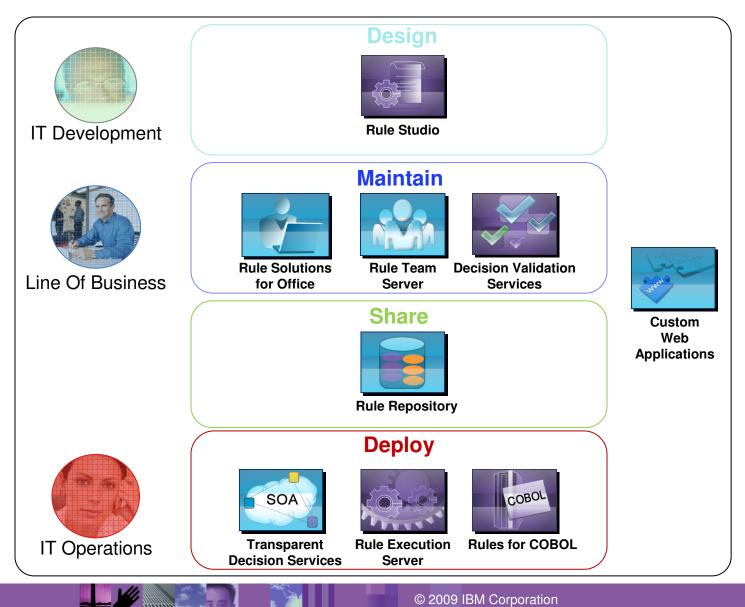


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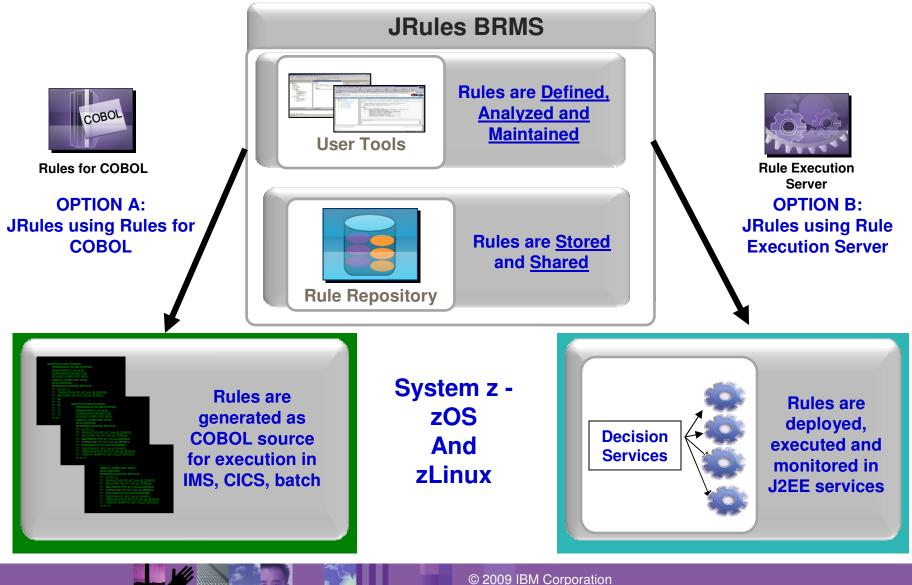


## WebSphere ILOG JRules 7.0 BRMS



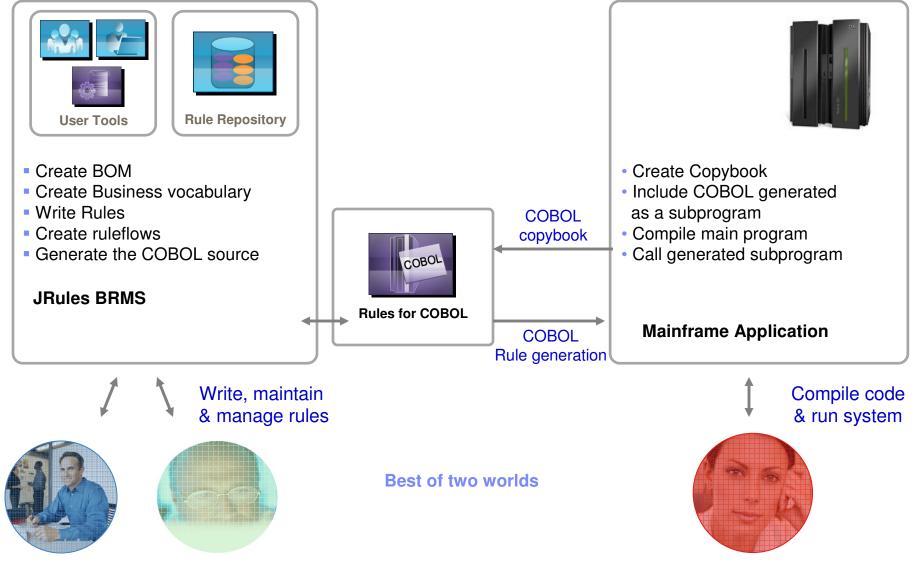


# WebSphere ILOG JRules Options for System z





## Overview of Rules for COBOL





### Rules for COBOL with CICS Channels and Containers

### Scenario

 A Rules for COBOL generated program is wrappered inside a program that receives CICS Channels and Containers.

#### Benefits

- Instead of linking with each calling program, we just link into the Load Library.
- Can be used with CICSPlex SM Workload Management to achieve best throughput.
- Reasonably easy to create a program, or modify Rules for COBOL to automatically generate this program for a user.



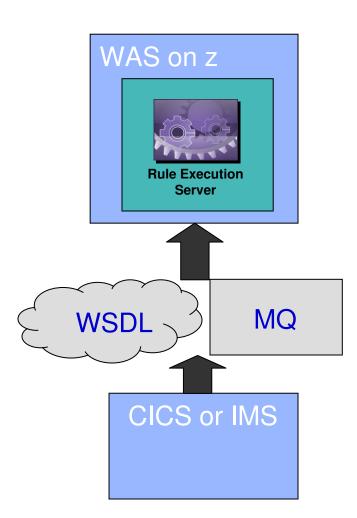
#### ILOG BRMS for System z

- Decision Logic is managed in WebSphere ILOG BRMS and deployed to the JRules Rule Execution Server:
  - Deployed in J2EE or J2SE environment as a Resource Adapter
  - JMX-based management interfaces
  - Integrate with any Java, XML, WSDL data source
- Exposes rule services as:
  - POJO stateful/stateless session beans
  - J2EE stateful/stateless session beans
  - J2EE MDB stateless beans
  - Web Services
  - IBM SCA Components





#### CICS or IMS calling JRules



# Scenario

 CICS or IMS application calls a Transparent Decision Service hosted in WAS

or

 CICS or IMS makes a call to MQ. MQ makes a JMS call to JRules. MQ provides response to CICS.or IMS

# Benefits

- WAS on System z has full Rule Team Server and Rule Execution Server support.
- Allows CICS or IMS to integrate with externalized rules



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## A couple things to know about WebSphere ILOG BRMS:

- More customers
  - "With an installed based of 984 customers and 4,542 licenses sold, ILOG has the most market penetration of any of the vendors evaluated." (Forrester Research, The Forrester Wave™: Business Rules Platforms, Q2 2008)
- More market share
  - "ILOG is the only vendor residing in the upper right quadrant ... with both high market share and high growth." (IDC, Worldwide Business Rules Management Systems 2008-2012 Forecast and 2007 Vendor Shares)
- Better integration with IBM technologies
  - Rational Software Architect and WebSphere Integration Developer
  - WebSphere App Server and WebSphere Process Server
  - FileNet
  - Z-series



#### **Examples of Customer BRMS Applications**

-

Banking	Insurance	Capital Markets	Public Sector
<ul> <li>Loan Origination</li> <li>Credit Decisioning</li> <li>Sales Advisory</li> <li>Payments</li> <li>Accounting</li> </ul>	<ul> <li>Claims Processing</li> <li>Underwriting</li> <li>Quoting</li> <li>Rating</li> <li>Commissioning</li> </ul>	<ul> <li>Automated Trading</li> <li>Trade Order Management</li> <li>Accounting</li> <li>Compliance KYC / AML</li> <li>On Boarding</li> </ul>	<ul> <li>Claims Processing</li> <li>Entitlement and Benefit calculation</li> <li>Fraud Detection and Management</li> <li>Screening and Targeting</li> </ul>
Telecom	Transportation and Travel	Retail	Manufacturing
<ul> <li>Offer Configuration</li> <li>Order Management</li> <li>Fraud Detection and Management</li> <li>Loyalty Programs</li> <li>Network Monitoring</li> </ul>	<ul> <li>Promotions Management</li> <li>Loyalty Programs</li> <li>Customer Service</li> <li>Billing</li> <li>Contract Management</li> </ul>	<ul> <li>Online recommendation</li> <li>Campaign Management</li> <li>Order Management</li> <li>Pricing</li> </ul>	<ul> <li>Order Management</li> <li>Billing</li> <li>Contract Management</li> </ul>

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#### WebSphere ILOG BRMS: What Makes Us Better

#### The most complete BRMS solution

 <u>A comprehensive, collaborative solution</u> that meets the needs of all stakeholders involved in managing decisions across the organization, and fits the widest range of enterprise architectures.

#### Superior decision governance capabilities

 <u>Easy, safe and predictable management of decision logic</u> throughout its entire lifecycle, from initial development and deployment, through monitoring and maintenance due to ongoing change.

#### Recognized BRMS leadership

 <u>More than just technology</u>, ILOG provides the services, expertise and community that allow organizations to achieve long-term success in their use of BRMS.



### Recap – Why BRMS



Implementing change in a way that is easy, safe and predictable



 Reducing the time and cost required to develop and maintain operational systems that are affected by change



 Providing a way for IT and Business functions to work collaboratively on defining and updating the decision logic that drives operational systems



 Increasing the visibility of how systems use and are affected by decision logic





Q&A



Want to learn more – visit the IBM booth in the Technology Exchange Expo

