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Le novita' a supporto dei processi di Business







Agenda

- Cloud Computing & WebSphere in the Cloud
- IBM BlueWorks The BPM initiative starts form the cloud
- IBM BPM enhancement Business Rules – ILOG BRMS V 7.0









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Cloud Computing & WebSphere in the Cloud

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Globally, systems and infrastructure are reaching a breaking point

- Explosion of data, transactions, and digitallyaware devices strains IT infrastructure and operations.
- Exponential growth in communications subscribers and services exposes bandwidth limitations.
- Supply inefficiencies and demand spikes tax energy and utility systems.
- Clogged and congested roadways impact productivity.
- Networks, supply chains, and borders face a proliferation of new risks and threats.

Meanwhile, customer expectations and competitive pressures are increasing.







We must move past today's challenges to seize tomorrow's opportunities

HOW CAN WE ADDRESS ...

HIGHER SERVICE EXPECTATIONS

Internet-savvy consumers and employees expect 24x7 access to quality services.

RISING COST PRESSURES

Staggering levels of complexity and inefficiency drive up cost and stifle innovation.

NEW RISKS & THREATS

The connected, collaborative world is also a more vulnerable world.

WHILE ALSO LAYING A FOUNDATION FOR ...

BREAKTHOUGH PRODUCTIVITY

Almost any person, object, or service can become digitally aware and connected creating new possibilities for change.

ACCELERATED VALUE CREATION

More adaptive capabilities like cloud computing create new opportunities.

INCREASED VELOCITY

The faster pace of business and society demands a more responsive, agile infrastructure.









What is Cloud Computing?

A user experience and a business model

- Standardized offerings
- Rapidly provisioned
- Flexibly priced
- Ease of access

An infrastructure management and services delivery method

- Virtualized resources
- Managed as a single large resource
- Delivering services with elastic scaling

Similar to Banking ATMs and Retail Point of Sale, Cloud is Driven by:

- Self-Service
- Economies of Scale
- Technology Advancement

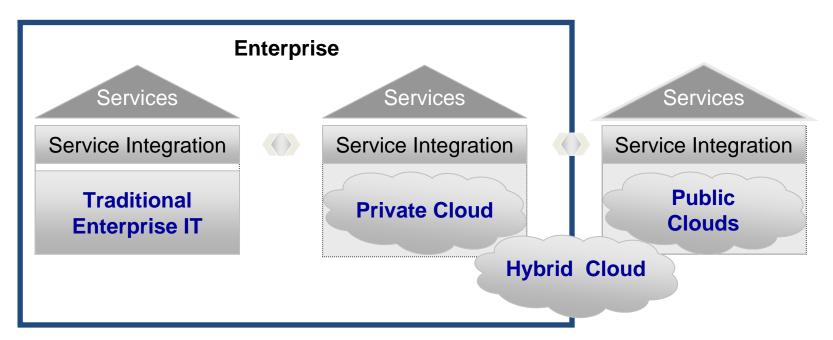








The future: Three co-existing delivery models



IT portfolio aspects migrating to cloud today:

- Mission Critical
- Packaged Apps
 Pre-production
- High Compliancy
- Test Systems
- Developer Platform
- Variable Storage
- Software as a Service
- Web Hosting









WEEK COM

WebSphere CloudBurst Launches at IMPACT!

"IBM WebSphere Cloudburst Appliance is poised to make a big splash in the cloud

- computing market."
- 70+ press and blog pickups
 - Major pubs: <u>eWeek</u> <u>Information Week</u> Insurance & <u>Technology</u> <u>forbes.com</u> <u>wsj.com</u>







- 59 analysts attended analyst event
- 5 keynote sessions including Inner Circle
- 10 Cloud and CloudBurst sessions
- 6 demos in 3 peds
 - Cross-brand with <u>GTS & Tivoli</u> <u>Rational</u>
- ibm.com/cloudburst landing page
- Press release



"IBM is ahead of its competition in its cloud thinking and it is now beginning to take a technology lead by rolling out cloud products to fit the thinking."

archSOA.com

THE WALL STREET JOURNAL

- Hurwitz & Associates, Robin Bloor

InformationWeek

Forbes

"Wow, IBM actually has a cloud on the stage." - **ZapThink**, Jason Bloomberg

"This appliance approach to private clouds will be a big trend in the industry, with Oracle (using acquired Sun technology), HP and perhaps Cisco sure to follow. Cuts cost, complexity."

- Interarbor Solutions, Dana Gardner







Intelligent management for Virtualized Infrastructure

WebSphere® Application Server Hypervisor Edition

- New edition of WAS optimized for virtualized environments
- Pre-configured, ready to run on a hypervisor
- Images supported and maintained by IBM

WebSphere CloudBurst Appliance

- Secure cloud management appliance
- Reduce setup time for WebSphere environments
- Codify your infrastructure for reduced risk
- Simplified maintenance and management
- Dispenses WebSphere virtual image software

WebSphere Application Server Hypervisor Edition



WebSphere CloudBurst Appliance







What is WebSphere Cloudburst?

1. An appliance from IBM...

OVF

images

Includes

- hardware

Users and

Groups

- CloudBurst function
- WebSphere Application Server images
- WebSphere Application Server patterns



Bring your own Enterprise cloud

- hypervisors
- storage - network

Web 2.0 UI, CLI, and REST APIs

Patterns and

Scripts



3. ... comprising WebSphere Virtual Systems

- Customize and extend images and patterns for your applications
- Dispense and run in the cloud
- Life-cycle management and optimization





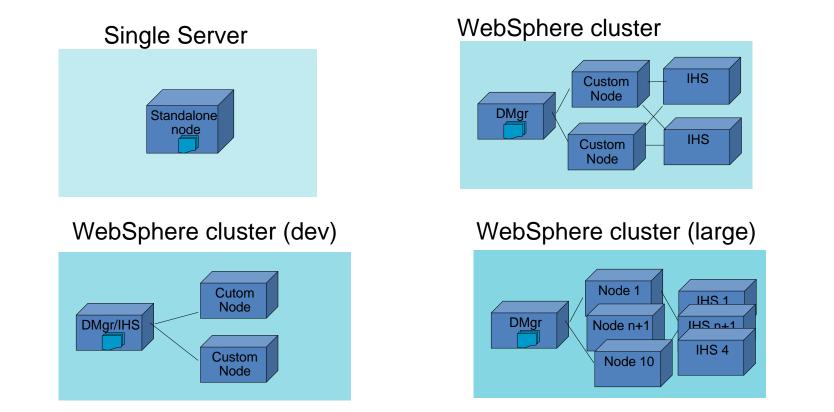








Preloaded Patterns



Advanced Options for messaging, session persistence, and global security available



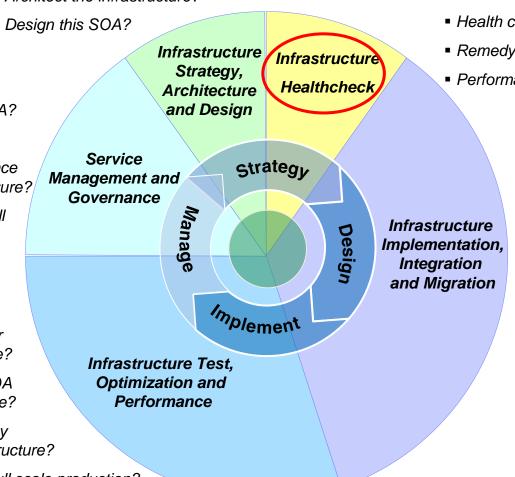


Healthcheck Services by GTS MILANO, 17 GIUGNO

- Architect the infrastructure?
- Design this SOA?
- Implement security infrastructure for SOA?
- Manage my SOA?
- Implement governance across my infrastructure?
- Enforce policies in all the infrastructure?

- Optimize for performance?
- Test the SOA infrastructure?
- Virtualize my SOA infrastructure?
- Ready for full scale production?





- Predictive assessment?
- Health check of my infrastructure?
- Remedy options available to me?
- Performance issues?

- Install and configure the products?
- Integrate all the SOA products?
- Integrate with my legacy systems?
- Migrate my existing infrastructure forward?
- Test and validate integration points?
- Access all information in the environment?







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 The BPM initiative starts from the Cloud

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Business Works Smarter with Collaboration and Community

A set of cloud-based BPM tools and content enabling Business Leaders, Business Analysts, and Business Professionals to experience the value of BPM by creating BPM Business Designs in the cloud, leveraging pre-built content, and collaborating through community tools.

With BlueWorks, users can:

Learn about BPM

Learn strategies, trends, and best practices for making smart process decisions

Experience BPM

Capture business intent, understand capabilities, sketch processes



Collaborate with the Community

Leverage community insight and access shared content

Optimize Processes

Extend strategy to drive processes improvement, and deploy with IBM BPM Suite









The BPM BlueWorks Experience Acquire Expertise, Map Strategy, Execute Processes







Translate Strategy Into Process Improvement With BPM Business Design Tools

Strategic Intent & Motivation

Capture business strategy understanding that guides the operations and actions of the business

Operational Capabilities

Refine strategic intent into operational capabilities to identify transformation opportunities

High-Level BPMN Processes

Link operational capabilities to business processes to jump start automation

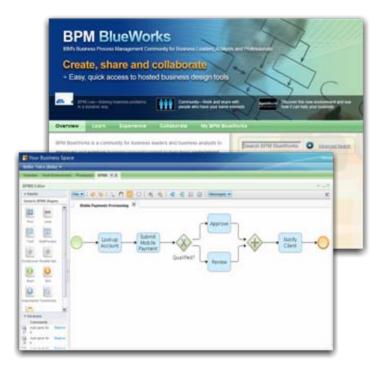








Easy On-Ramp to IBM BPM Suite For Simulation, Testing, & Deployment





- Import into WebSphere Business Modeler
- Directly deploy to test environment with interactive process design
 MPACT NOW

• Export BPMN artifacts to Rational Asset Manager or file system







Get Started with BPM BlueWorks Sign-up on June 30, 2009

Register Your Company

- The first registered user for a company / group becomes the BlueWorks administrator for the company
- Subsequent registrations for the company / group are approved by the administrator









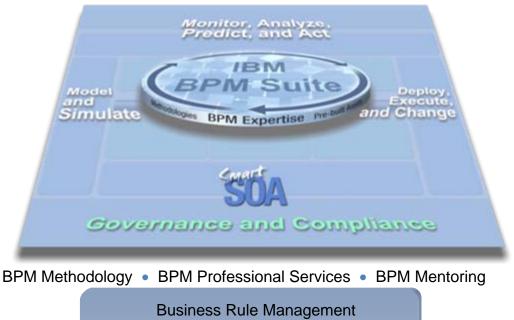


BPM from IBM WebSphere

Work smarter, empower people, optimize business processes

- Provides a process-centric, processaware, and process-driven environment
- Increases productivity for business users
- Of all the companies who address business or process change, only IBM helps create more agile business processes - empowering business and IT users to rapidly:
 - Take action on business events
 - Make changes, and
 - Implement new business models
- ... in order to capitalize on opportunities and outmaneuver competition





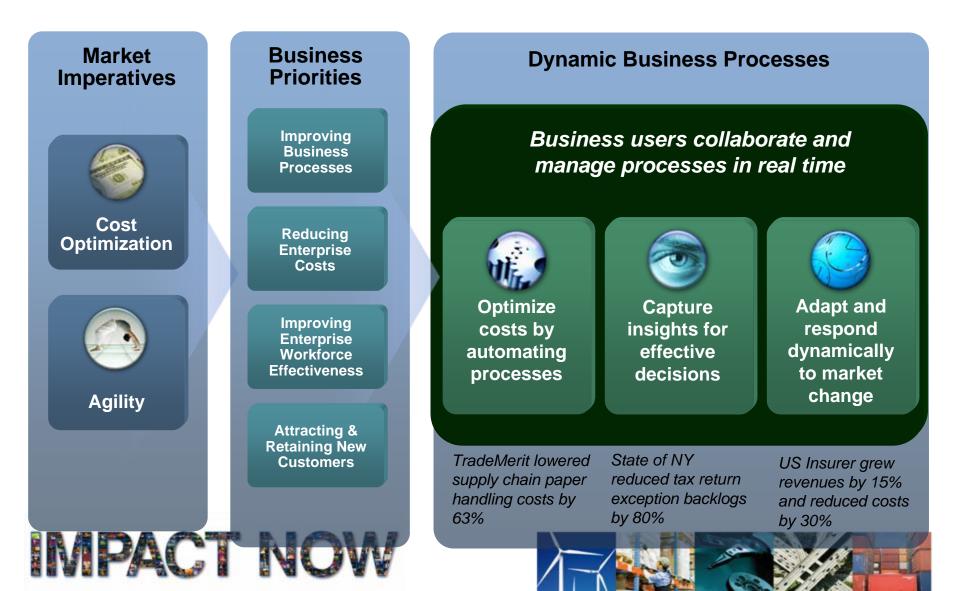
Business Rule Management Business Event Processing Asset Repository for BPM Collaboration Tools Performance Analytics Process Accelerators and Adapters







Dynamic Business Processes introduce agility & cost reduction







Dynamic Business Processes Are...

Explicit: *Processes are documented, understood, and agreed upon*

Visible: Process performance is available in real-time, measurable, and actionable

Easily Changed: *Process tasks, activities, and end-points are flexible and quickly adjusted*

Driven by the Business: *Process management is contextual, governed, and extended to all stakeholders*



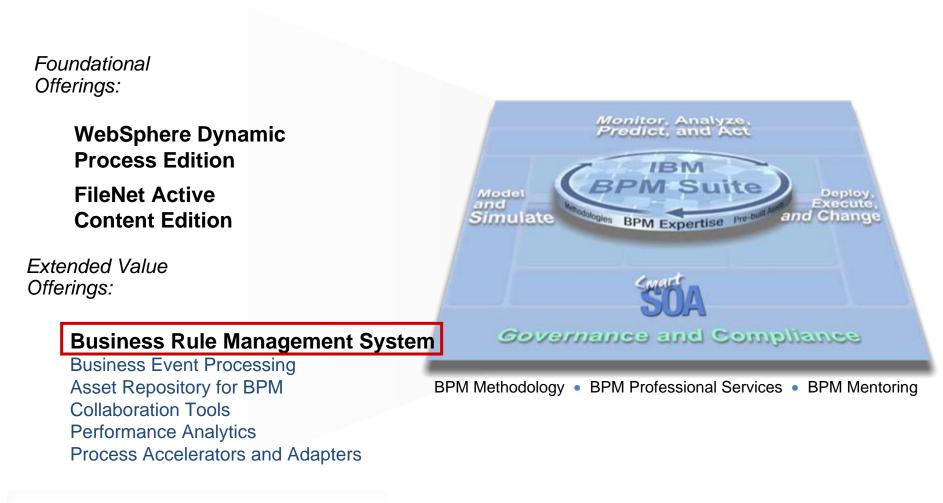








BRMS – Logical Fit within the IBM BPM Suite











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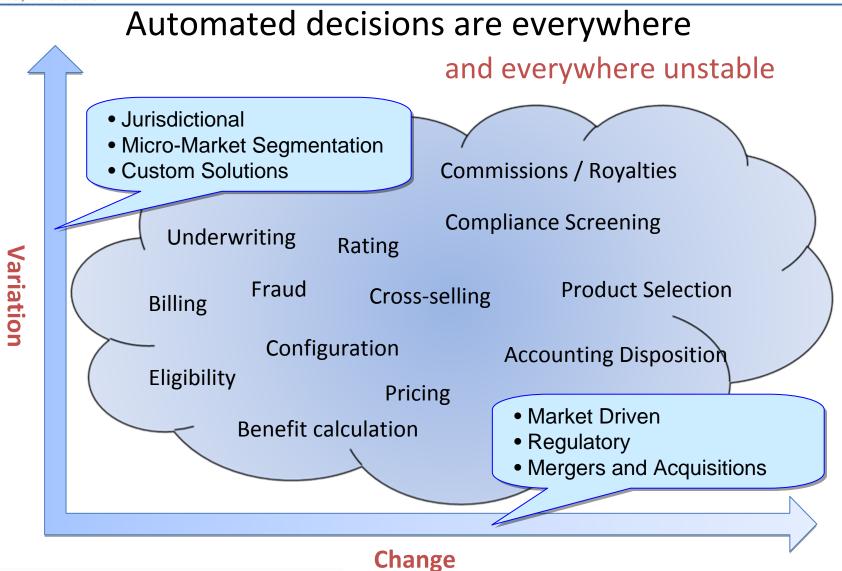
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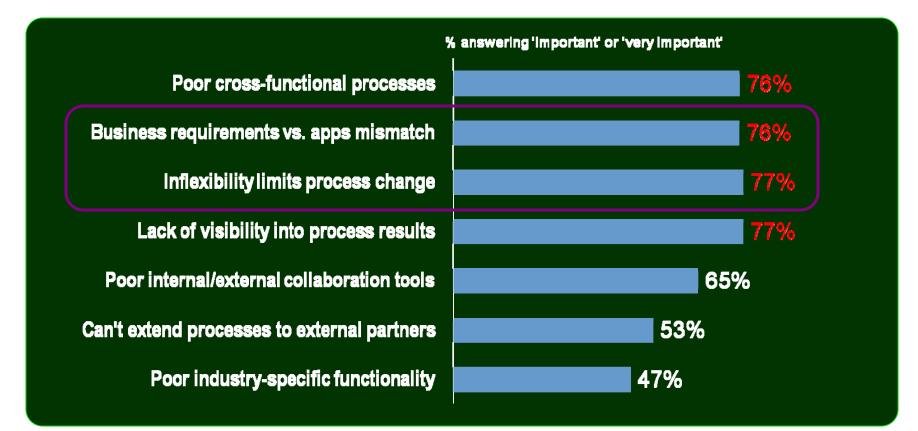






Today's business apps are too hard to change

"Considering your existing enterprise app implementations, how important are the following business problems?"



Source Forrester - business and IT decision-makers, Sept 2006









When business logic is hard coded

- Long change cycle
- Opaque for business users
- Often hidden, scattered and duplicated

Line of Business

IT

shit = construction (construction (construction)); // Construction (construction); // Display the verdict if (construction); // Check conditions construction; // Check condition; // Check condition;

Application code

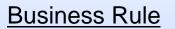








Business Rules bridge Line of Business and IT



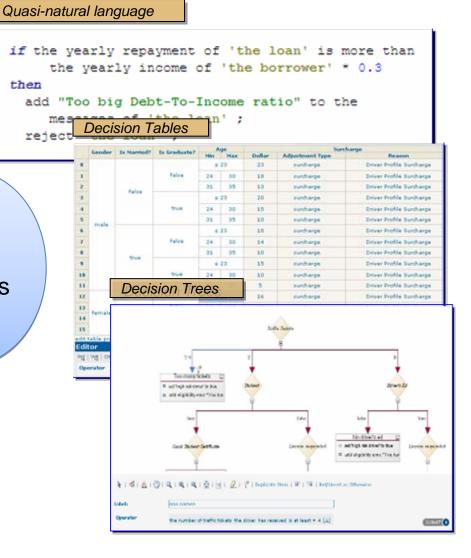
A statement of business logic that:

✓ Can be authored by business users

✓ Is executable





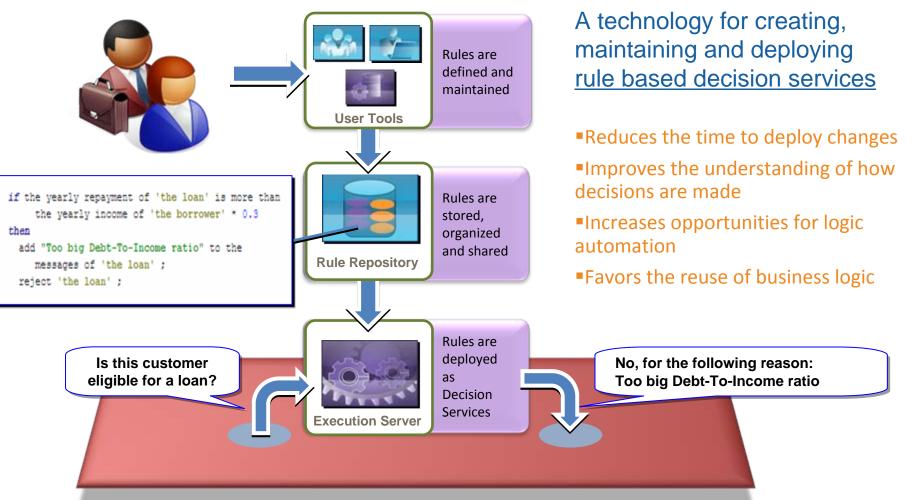






WebSphere ILOG BRMS





Application code









Usage across industries

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









- Lack of flexibility of the Underwriting and Pricing application
 - Unable to differentiate between risks so system priced them all the same, resulting in loss of customers
 - Only 17% of small commercial policies qualified for straight thru processing
- Underwriting and Pricing re-implemented as ILOG BRMS decision services
 - Initial Implementation accounted for 20,000 Rules
 - Currently at 40,000 Rules
 - Reconfiguring to handle 200,000 Rules
- Currently Averaging 3,000 New/Changed Rules Per Month
 - Bi-weekly releases for low complexity rules (written by LOB)
 - Monthly or quarterly releases for complex rules (written by IT)
- Number of Quotes Per Agent increased 26%
- Number of Agents Quoting increased 19%
- Submission Flow increased 50%







Benefits

Problem

MPACT SMART SOA CONFERENCE MILANO, 17 GIUGNO

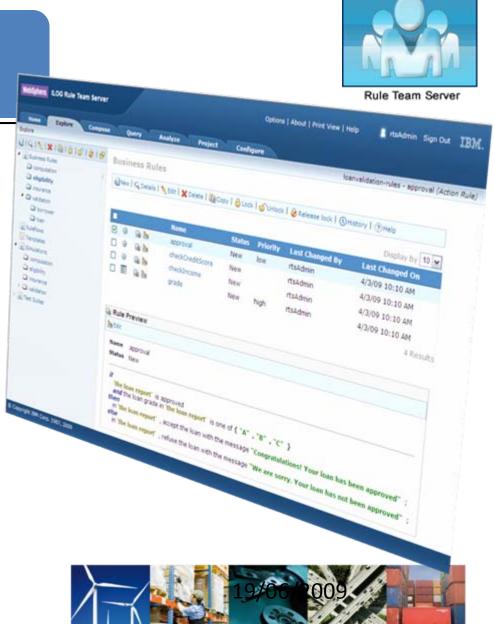
Rule Management for Business Users IEM

- Web-based collaborative environment
- Easy-to-Use, Easy-To-Learn
- **Powerful Governance Capabilities** •

New in Version 7.0

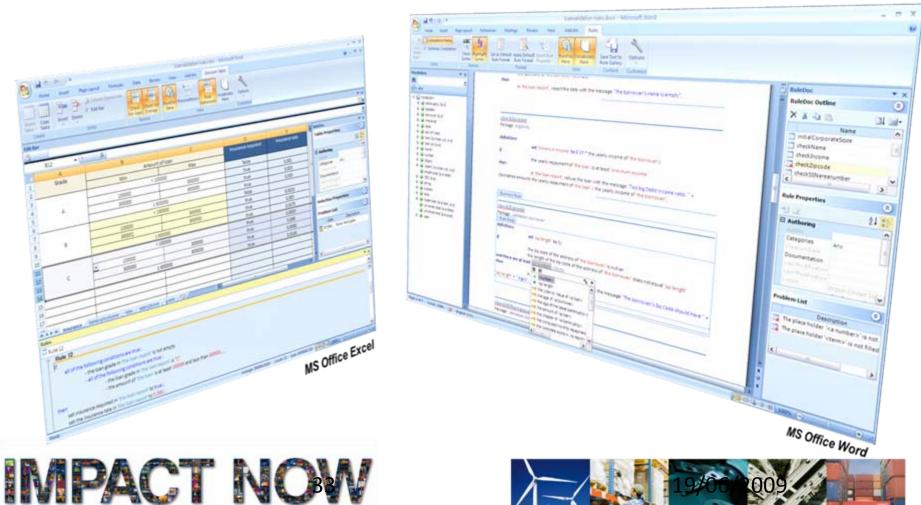
- Integrated rule testing and simulation (Decision Validation Services – JRules)
- **Integration with Microsoft Office** Word and Excel for guided, offline rule editing (Rule Solutions for Office)
- Ability to manage rule projects for both JRules and Rules for .NET
- Improved rule analysis and reporting





SIMPACT SMART SOA CONFERENCE MILANO, 17 GIUGNO Guided Rule Editing in Microsoft Office

- Extend rule maintenance across the organization
- Ruledocs have full understanding of object model and rule syntax
- Integrated with Rule Team Server





Rule Solutions for Office

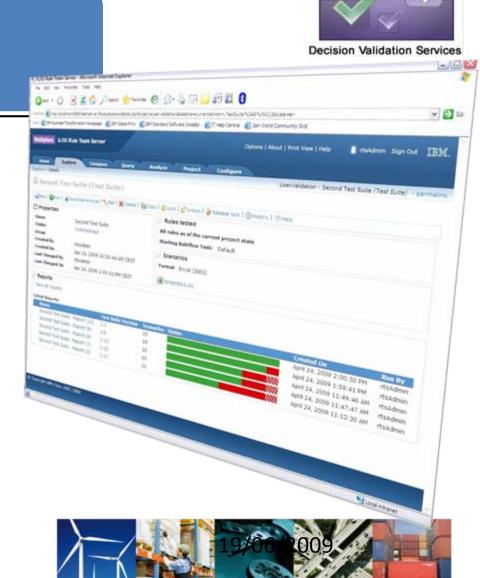
IMPACT MILLANO, 17 GIUGNO BUSINESS User Testing and Simulation



- Meets the needs of business and IT
- Test rules before deploying
- Assess business impact of changes

New in Version 7.0 (JRules)

- Work directly within Rule Team Server
- Ability to use Microsoft Excel for data input
- Configuration/customization wizards and editors in Rule Studio reduce development time and effort







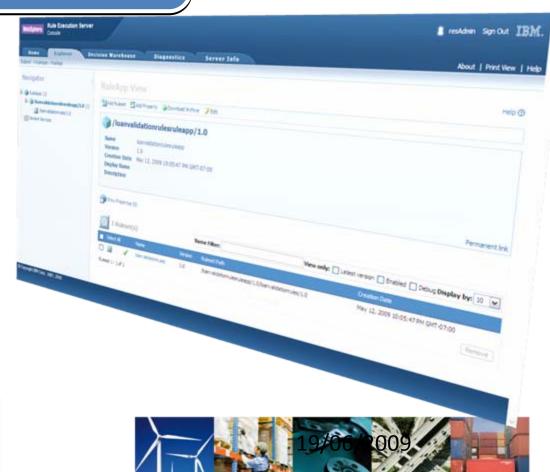
Managed Rule Execution



- Centralized management of deployed rules
- Highly scalable, configurable rule engine
- Run on widest range of platforms



- Decision Warehouse execution audit (JRules)
- Transparent Decision Service deployment now available for .NET





Rule Execution Server for Java

Rule Execution Server for .NET







Design Natural language and graphical rule authoring

Eclipse or Visual Studio-based IDEs and Web-based rule management environment

Guided authoring through Microsoft Office Word and Excel.



Line Of Business

Change with Confidence

Create with Confidence

- Business user testing and simulation integrated in centralized, governed rule management environment
- Business rules versioning with history management
- Syntax and semantic rule guerying

Share with Confidence

- Rule repository provides single source of truth
- Role-based access control of business policies



Deploy with Confidence

- Integrated monitoring and management of production rule applications
- Cross-platform decision services for SOA deployment
- Decision Warehouse for improved compliance enquiries



Manage

Share

Deploy







BPM from IBM : Tools for the Agile Business

