IBM Software

Impact2010 Comes to You

Achieving agile, fast time to value decisioning with Business Rule Management Systems

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Smarter Planet Reference

How to improve banking offer acceptance by 10X & generate M\$ in revenue lift?

Real time up/cross-sell & credit decisioning

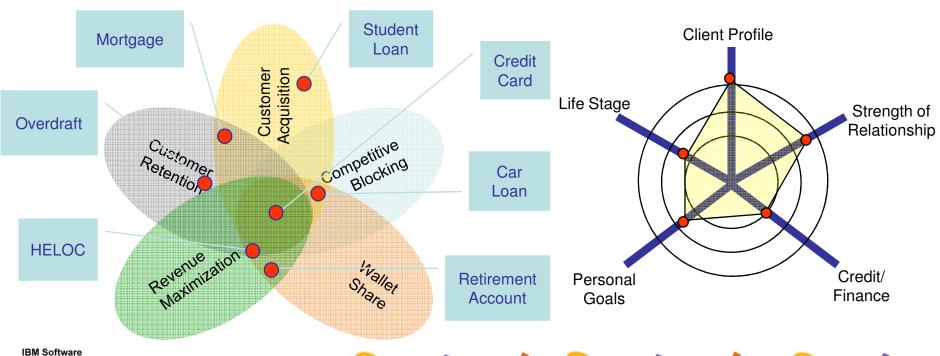






G500 Bank – Credit Decisioning, Up/Cross-sell

- Lost opportunities
 - Bank is very customer focused, yet feeling of lost opportunities in wallet share
- Hardship in efficiently & accurately executing cross-sell/up-sell offers
 - Done at the branch based upon manager/client relationship
 - Manual & cumbersome: client information in many disparate sources, lack of integration with legacy origination, multiple screens...
- Propose and... hope







G500 Bank – Credit Decisioning, Up/Cross-sell (continued)



Fact: G500 Commercial Bank revamps decision support systems to improve experience & interaction with 10M+ personal & business customers

Benefits

- Enhance the client experience by providing personalized financial advises during credit application
- Drive "share of wallet" growth with optimized cross-sell, while managing risk
- Maximize opportunities for best customers & solidify customer relationship
- Increase growth rates with targeted offers to attract more customers from the competition

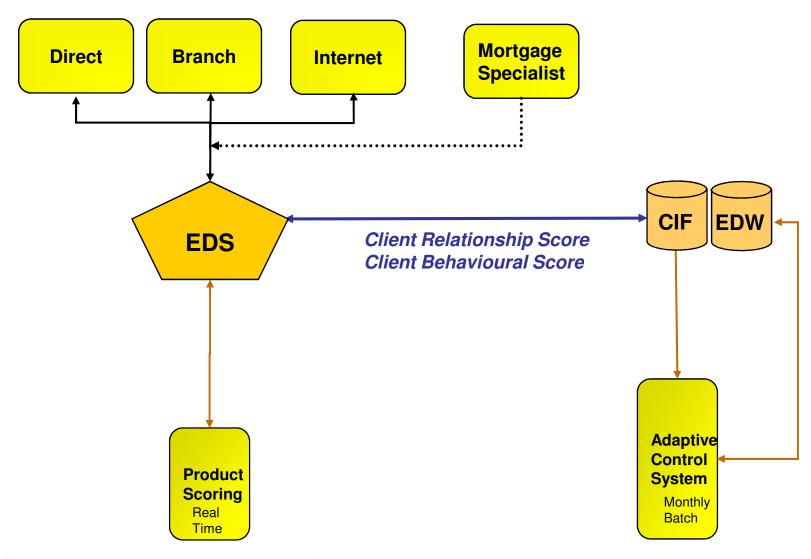
Key Business Outcomes

- Increased frequency of cross sell offers by almost 2.5 times
- Increased offer acceptance from 3% to 20%-30%
- Anticipate growth rates to exceed business case benefits





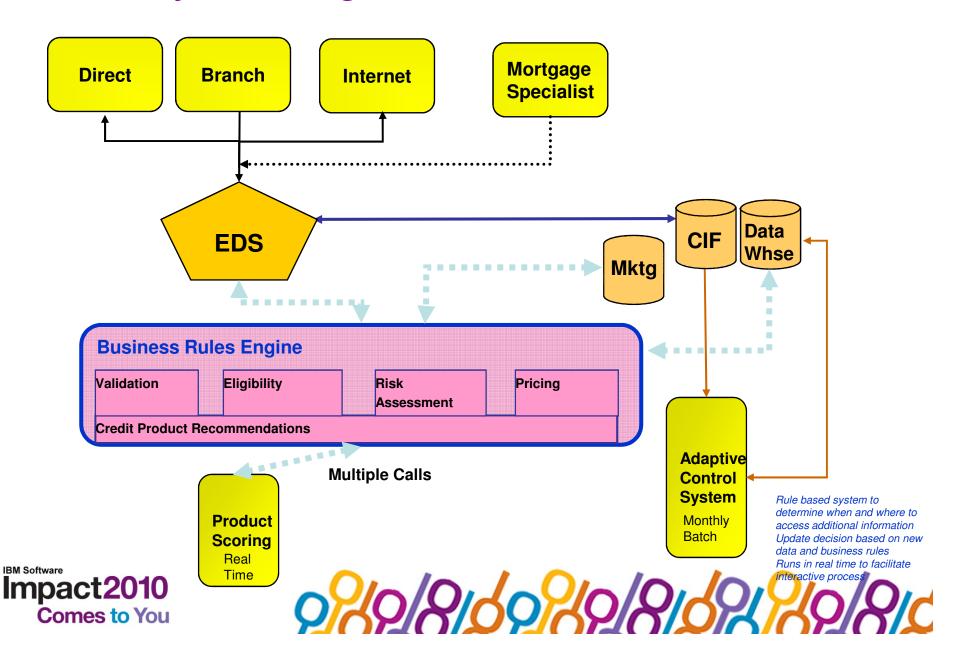
Original system design







Current system design



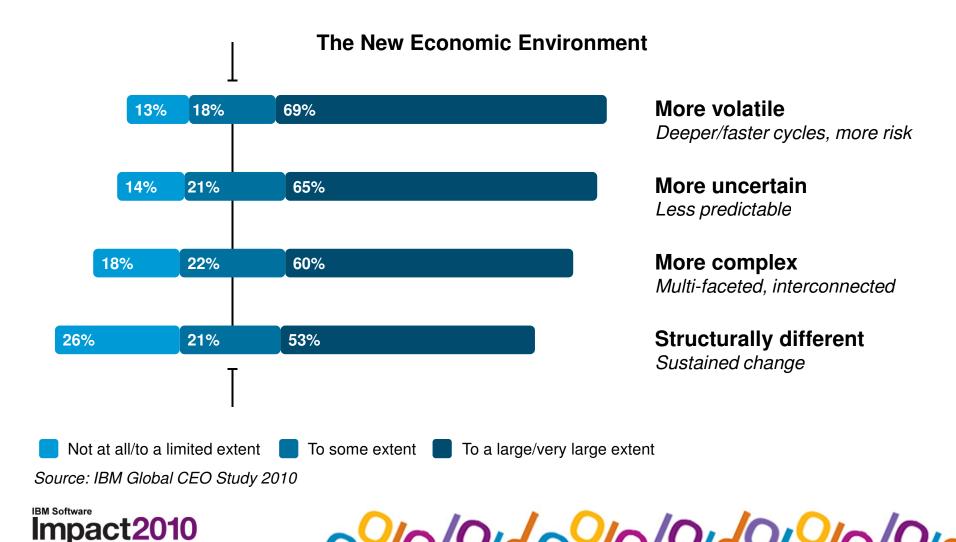
Agenda

- Real Time Up/Cross-sell & Credit Decisioning Case Study
- Value Proposition of a Business Rule Management System (BRMS)
- Improve Business Processes with WebSphere ILOG BRMS
- ILOG BRMS usage across multiple verticals





Vast majority of CEOs experience the New Economic Environment as distinctly different



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Accelerating pace of change, growing complexity and rising customer expectations are creating new demands on business processes and enterprise agility

Accelerating pace of change



How do I make offers and promotions more reactive to competitors' offers?

How do I improve my ability to respond in real time and effectively to unforeseen events?

Growing pressure on business alignment, compliance and transparency



How do I increase the pass-through rate on policy underwriting while maintaining regulatory compliance?

How do I enable actuaries to define insurance policy pricing that balances regulatory compliance, customer risks and growth opportunities?

Customer expectations for smarter personalization and self-service



How do I make offers that grow customer share of wallet and differentiate my services?

How do I provide definitive guidance on customer promotions to frontline employees so that they spend more time selling and less time figuring out the latest promotions?





BRMS increases Business Agility and extends BPM flexibility, effectiveness and value

Business agility and responsiveness



Business alignment, compliance and transparency



Smarter personalization and self-service



Empower LOB users to manage and improve decisions

Shorten response time to changing market conditions and events

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Achieve high passthrough rates in process automation

Maximize decisions for resources, risk and value

Achieve finer-grain personalization in customer interaction

Move decision-making to point of contact with customers



Customers achieve better business outcomes

Business agility and responsiveness



Business alignment, compliance and transparency



Smarter personalization and self-service





New pricing time-to-market in 2 days vs. 3 months at online travel website

-in-time response to fraudulent activity at Latin American stock exchange

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Eligibility determination in 7 minutes vs. 6 weeks at US Federal Agency

50% increase in new business quotes at major US insurance company

10x offer acceptance increase at major Canadian retail bank

Loyalty and promotion offers deployed daily at each cash register at major French retailer



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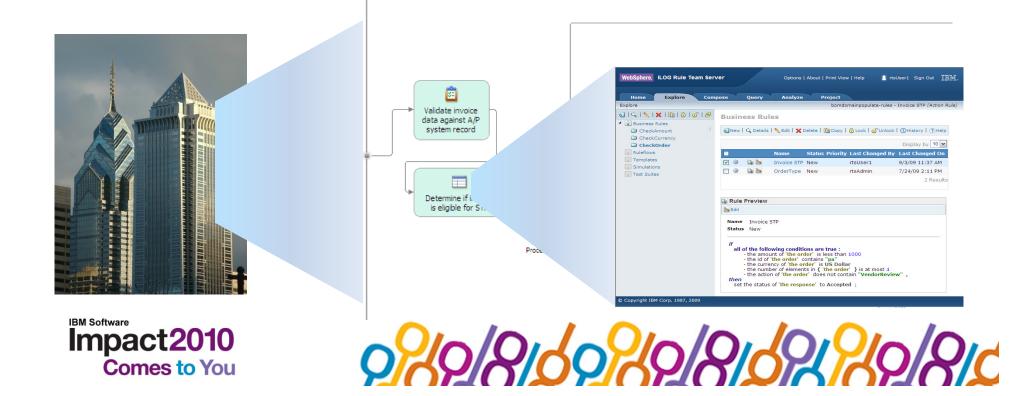
DNA of the Agile Enterprise

Process Management

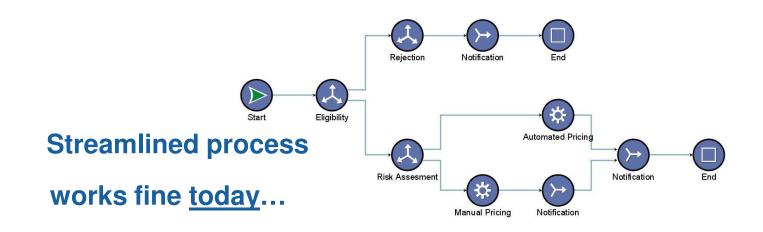
- Describes the "how" of the core activities of the enterprise
- Combines automatable and human elements
- Is fundamentally concerned with operational efficiency of the organization

Business Rules Management

- Determines the "what" of enterprise activity
- Is focused on automating decisions
- Is fundamentally concerned with the operational intelligence of the organization



BPM ~ Streamlining The Process From End to End





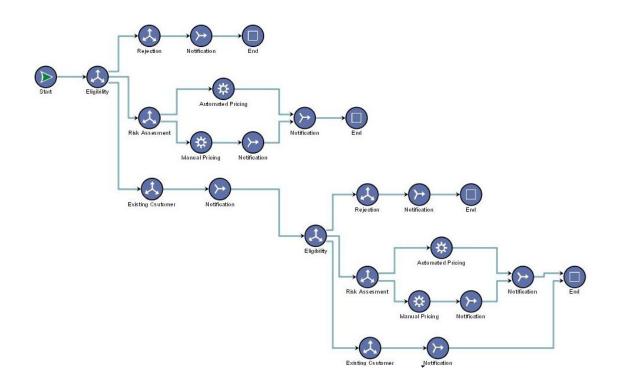
Until

- New Product
- •New Policy
- New Regulation
- New Pricing Rules / Model
- New Scoring Rules / Tables





BPM ~ Streamlining The Process From End to End

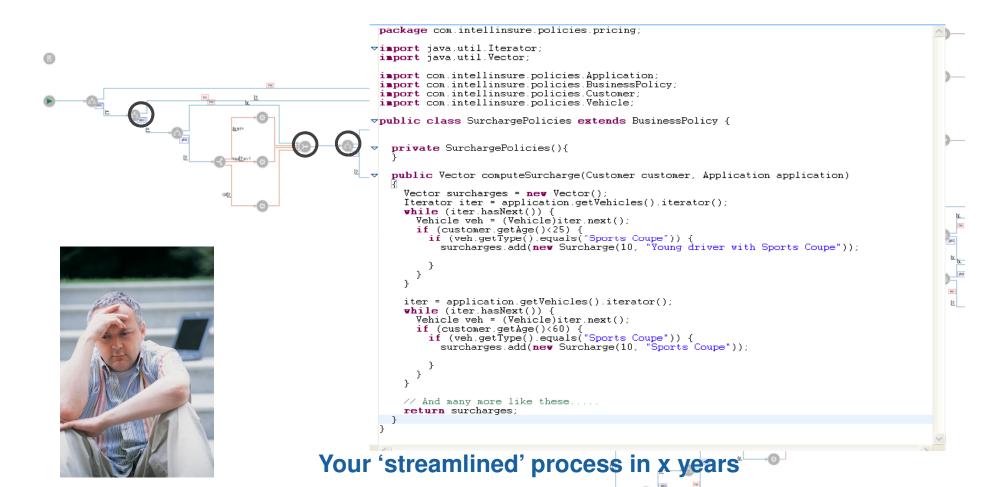


Your 'streamlined' process in x months





BPM ~ Streamlining The Process From End to End

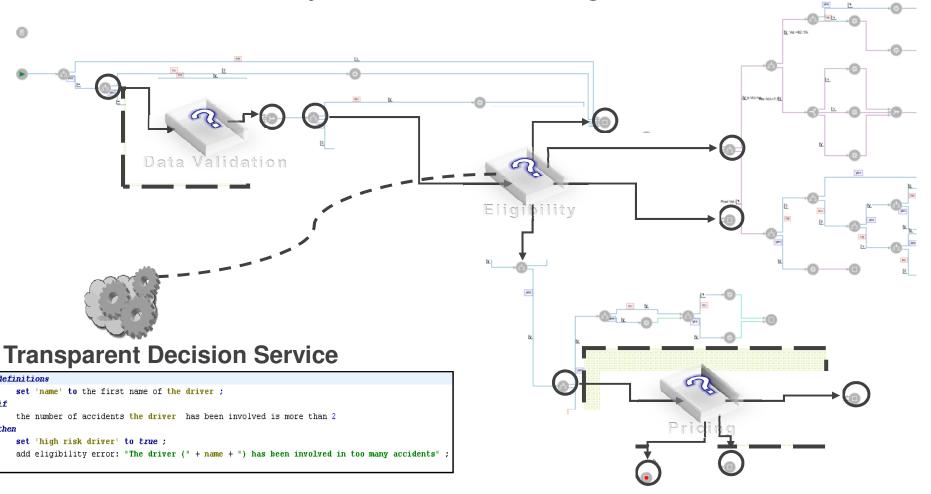






Simplifying Business Processes

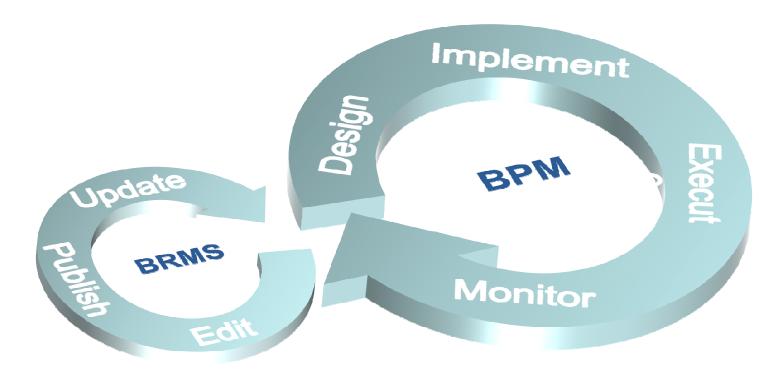
Business Policy Externalization → **Agile BPM**







Redefined process change cycle



Business
Decisions / Policies
Days / Weeks

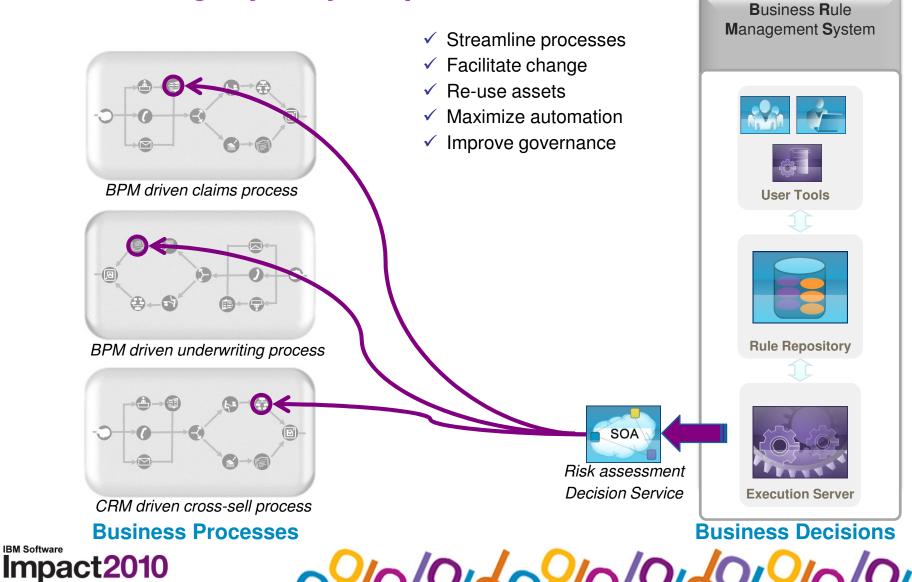
Technical
Tasks / Flow
Months / Years





Enhance agility for your processes

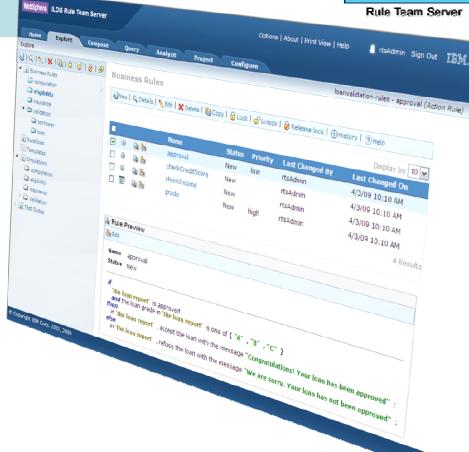
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Rule Management for Business Users

- Web-based collaborative environment
- Easy-to-Use, Easy-To-Learn
- Powerful Governance Capabilities
- Integrated rule testing and simulation (Decision Validation Services)
- **Integration with Microsoft Office** Word and Excel for guided, offline rule editing (Rule Solutions for Office)
- Powerful rule analysis and reporting







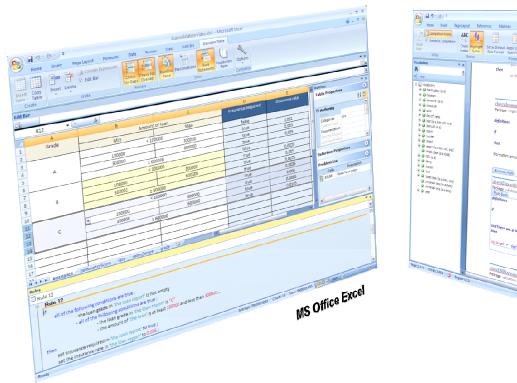


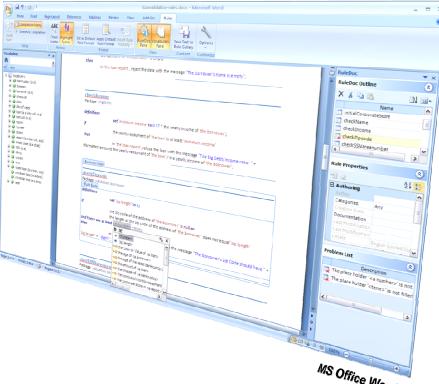
Guided Rule Editing in Microsoft Office

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



Rule Solutions for Office









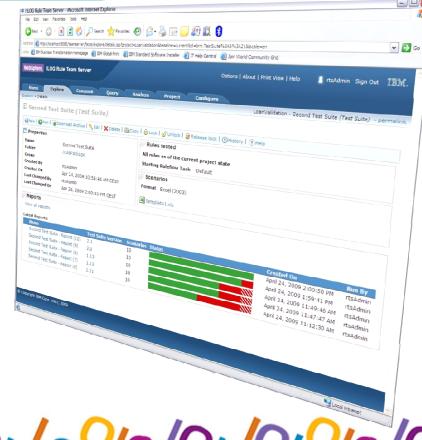
Business User Testing and Simulation

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



Decision Validation Services

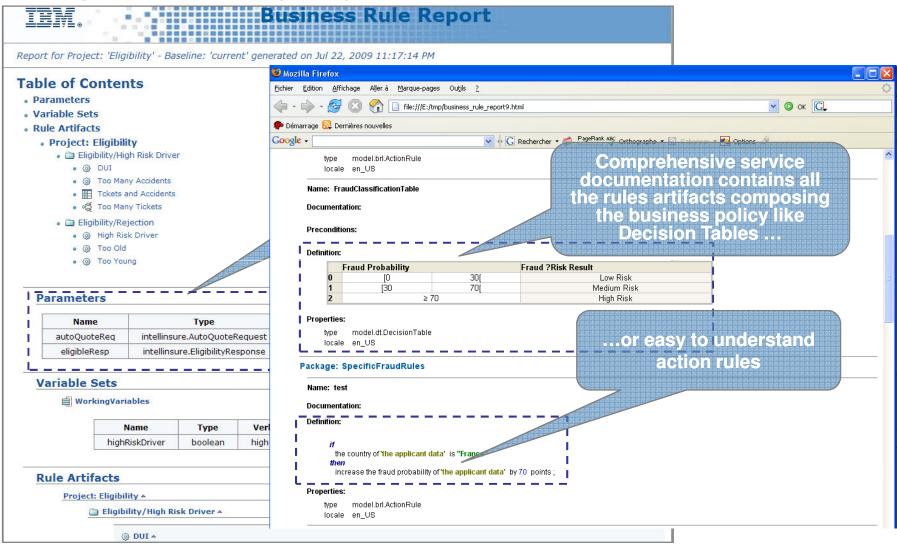
- Work directly within Rule Team Server
- Ability to use Microsoft Excel for data input
- Configuration/customization wizards and editors in Rule Studio reduce development time and effort
- Decision Warehouse provides a queryable, reportable, and analyzable rule execution audit trail in Rule Execution Server







Complete Visibility of your Business Rules







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Examples of Customer BRMS Applications

Banking

- Loan Origination
- Credit Decisioning
- Sales Advisory
- Payments
- Accounting

Insurance

- Claims Processing
- Underwriting
- Quoting
- Rating
- Commissioning

Capital Markets

- Automated Trading
- Trade Order Management
- Accounting
- Compliance KYC / AML
- On Boarding

Public Sector

- Claims Processing
- Entitlement and Benefit calculation
- Fraud Detection and Management
- Screening and Targeting

Telecom

- Offer Configuration
- Order Management
- Fraud Detection and Management
- Loyalty Programs
- Network Monitoring

Transportation and Travel

- Promotions Management
- Loyalty Programs
- Customer Service
- Billing
- Contract Management

Retail

- Online recommendation
- Campaign Management
- Order Management
- Pricing

Manufacturing

- Order Management
- Billing
- Contract Management





- Decision platform would not scale to adapt to growing customer base
- Hard to integrate and deploy across channels
- Hard to integrate and use all data sources

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- Improve credit decision services and customer experience
- Provide greater customer control by enabling rules management at customer level
- Consolidate inventory of decision and automation capabilities into one integrated platform

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- ILOG BRMS to support risk assessment, compliance and credit decisioning
- Business rules re-use across business processes, channels and custom solutions
- Extend certain rule management capabilities to customers through web-based access

Benefits

- Improved customer retention and acquisition with enhanced and new service
- Reduced time-to-market by 50%
- Policy changes in real-time or days vs. weeks and months
- More standardized decision making while enabling custom solutions





- Multiple systems in place that were leading to operational inefficiency
- Rules were hard-coded
- Unable to roll out new products faster or sustain growth to meet market demands

Boals

- Improve speed-to-market to maintain competitive edge
- Improve underwriting efficiency
- Better align IT objectives with business strategies

Solution

 Built flexible underwriting system where ILOG BRMS is used throughout the process (eligibility, risk assessment, pricing, referrals, quoting)

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- Achieved speed-to-market gains of 50%+
- Able to process 432,000 policy requests within 24 hours (equivalent to the daily workload of 2,000 underwriters)
- Improved pass-through-rate by 80%+





Telco Promotions – Vodafone

- Updating & launching a new promotion was a complex & time-consuming process
 - Business logic hard-coded in CRM & billing systems
 - Same logic duplicated several time in various IT systems
- Promotion types are limited
 - Limited list of possible rewards, no real time capabilities
- Quickly deploy new promotions created by the marking department
 - Retain customers & enhance customer acquisition
 - Boost sales during traditionally slow periods
- Differentiate brand through special types of rewards & benefits
- Apply promotions in real-time based on customer usage events
- ILOG BRMS as a centralized platform to manage promotion rules flexibly
 - Business rule language enable marketing team to create & maintain promotion rules
- Online process triggered by customer events to apply promotions in real-time, compute & notify customers instantly
- Massive online promotions reducing significantly churn & increasing revenue
- Marketing team has better control on promotions to react faster to competitive pressure & market demand
- Time-to-market of new promotion dramatically reduced from weeks to days
- Consistency of policies across multiple systems & channels





Public Sector Claims Processing – US Department of Veterans Affairs

- Large volume of requests: 900K new enrollees/year & growing
- Volatile & complex regulations
- Processing backlog
- Legacy system does not keep up with volume & pace of change requests

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- Upgrade legacy with automated, flexible & scalable eligibility decision service
- Lower TCO with centralized maintenance of business rules
- Improve policy formulation pre-legislation through simulation & impact analysis

Solution

An ILOG BRMS based solution

- to automate enrolment validation, eligibility check, case assignment & exception handling
- to centralize all rules into a single platform for improved control & auditability
- to enable accurate & swift policy formulation

Benefit

Streamlined & scalable enrolment automation

- 7 minutes turn around time vs. 6 weeks, no backlog
- System can now keep up with pace of change requests
- Centralized business policies for easier management & audits
 - Audit & simulation now available to check accuracy & anticipate impact of changes







Hindi



Traditional Chinese

cảm ơn bạn

Vietnamese

спасибо

Russian



Gracias Spanish

English

Obrigado

Brazilian Portuguese

شكر الك

Arabic

Grazie

Italian

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谢谢你

Simplified Chinese

ありがとうございました

Japanese

고맙습니다

Korean



