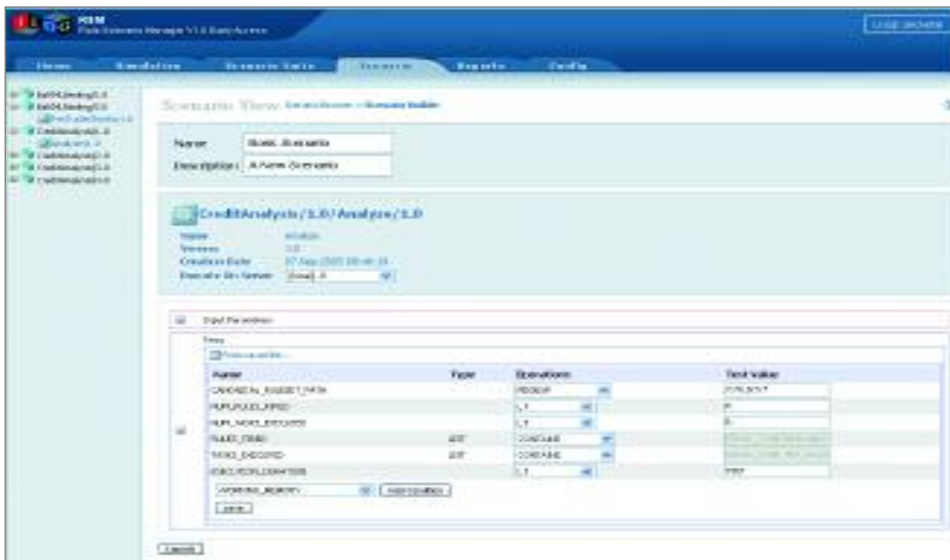# ILOG JRules
Rule Scenario Manager

Rule testing and what-if analysis

The hard way: test rules by deploying them

Fully testing changes to an application often requires redeployment of the program to see how it performs under real conditions. This approach can be quite costly if something goes wrong, especially with enterprisewide solutions. Business rule management systems (BRMSs) like ILOG's drive critical applications in virtually every industry. They automate decision making in systems that handle thousands of transactions and millions of dollars daily. The companies that use these solutions can ill afford faulty software.

The easy way: test rules with simulated conditions

A testing environment that applies realistic scenarios to fully validate rules before deployment minimizes risks and saves both monetary costs and the considerable stress that comes with discovering and trying to fix faulty logic in a running application. Scenario testing also shortens time to market for applications and their changes, as users spend less time checking changes and have greater confidence in their work.

ILOG's way: ILOG JRules Rule Scenario Manager

The creator of ILOG JRules, the market-leading BRMS, also provides the ultimate solution for testing business rules: ILOG JRules Rule Scenario Manager (RSM). It allows a company to create and store reusable business scenarios and apply them against business rules. This approach helps ensure deployed rules perform as required, and gives companies a means for testing different approaches to business problems. ILOG JRules RSM takes the guesswork out of writing business rules.

- ■ **Test rules before deploying**

- ■ **Lower costs and reduce risk**

- ■ **Deploy faster and with greater confidence**

- ■ **Get the right results – the first time**

ILOG®

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Extending a leading technology

ILOG JRules RSM greatly enhances ILOG JRules' testing and debugging functionality with powerful rule-set testing and simulation capabilities. It gives business policy managers an integrated environment for verifying the correctness of rules and simulating the actions they produce. Fully customizable, it can be completely tailored to your enterprise data stores, deployment processes and reporting requirements. ILOG JRules RSM delivers peace of mind to policy managers and business rule application architects by allowing them to thoroughly test changes to business rules to make sure they fully comply with defined validation criteria.

Fully testing before deployment

ILOG JRules RSM enables policy managers to quickly verify the correctness of authored business rules against business scenarios. It also allows users to perform what-if analysis by changing the conditions of business rules or the data they process. Developers can use the customizable testing and simulation framework to import business data and make it available to policy managers, produce custom execution reports and write validation scripts.

ILOG JRules RSM provides broad functionality and supports the following use cases:
- Unit and regression testing to ensure a rule or set of rules executes as expected
- Functional testing to execute a set of rules with data and capture the results
- Analysis to measure or verify the business performance of a rule set against a data set, and make the results available to external tools

Complete set of testing features

ILOG JRules RSM comes with a set of features that makes rule testing accessible even to nontechnical business users. These features include:

- **Scenario management –** Reusable business scenarios can verify the correctness or nonregression of business policies. Simulation scenarios can run multiple rule sets against the same input data sets.
- **Validation –** Execution reports and validation templates can be used to verify results. This feature allows policy managers to write validation tests using easy-to-use Web forms.
- **Framework flexibility –** Integration into existing client applications is supported with a rich application programming interface (API) for services and extensibility. XML configuration files and schema allow developers to configure the framework.
- **Data warehouse –** Basic persistence support is provided for execution reports. Rule-set execution results can be persisted for offline processing using reporting or business intelligence tools.
- **User interface –** Users can interact with the scenario manager through JUnit, ANT, Eclipse or a simple policy manager Web interface.
- **Reporting –** Customizable execution reports can be generated in text or Excel formats. The user can quickly view a summary of the validation history for a rule set, as well as the detailed results for a given execution test, including failures and errors.

Learn more

For more information on ILOG JRules RSM, contact an ILOG Sales Representative near you or visit **http://jrules.ilog.com.**

ABOUT ILOG

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,000 global corporations and more than 400 leading software vendors rely on ILOG's market-leading business rule management system (BRMS), optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. The BRMS market share leader, ILOG was founded in 1987 and employs more than 600 people worldwide.

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