ILOG JConfigurator

Product and service modeling and configuration with rule management, deployment and execution

Agile configuration

Market viability depends on a company's ability to quickly tailor products or services to the customer's requirements for features, pricing and availability. Furthermore, as the market changes, the company must change, too, by adjusting these key buying criteria.

Validation and sales consistency

ILOG JConfigurator empowers users to easily capture and manage both business and technical product knowledge over time, to ensure offerings are valid and sales consistent across the company. It enables companies to readily change, assuring the agility needed to maintain customer satisfaction.

Customer-centric

ILOG JConfigurator supports diverse decision-making processes, from fully guiding novices to assisting experts. The constraint-based software engine balances tradeoffs between business objectives, technical or practical limitations, and customer requirements, while providing explanations in case some options cannot be selected, to recommend the best offerings.

Multichannel deployment

ILOG JConfigurator integrates seamlessly with Java, as well as with J2EE and the Web Service protocol (SOAP). It can be easily embedded in Web, legacy and traditional back-office applications, and run interactively or in batch processing, be it online for public use or disconnected for sales representatives only.

■ **Preference-driven configuration**

■ **Customizable configuration language**

■ **Comprehensive integrated development environment (IDE)**

■ **Java, XML and Web Service (SOAP) integration**

ILOG

Changing the rules of business™

ILOG JConfigurator
empowering the business user

Best match preferences

With ILOG JConfigurator, customers can express their preferences, not just their requirements. Whether for specific component attributes (color, size) or global ones (minimize total cost), the preferences guide the configuration process in its search for recommendations. Combined with requirements, preferences give greater leverage in determining the final product or service.

With ILOG JConfigurator, customers can express their preferences

Customizable business configuration language

ILOG JConfigurator comes with a predefined configuration language that can be customized for vertical industries. It also supports business rule templates that provide a framework to guide untrained users. By enabling rule cloning, it also ends the tedious task of writing the same rule seemingly ad infinitum. The result: Business people can rapidly translate business policies into rules, dramatically reducing the cost of ownership and increasing the company's agility.

Recommendations and explanations

ILOG JConfigurator can complete configurations from partial customer requirements and recommend the best or several products or services while taking into account up- and cross-selling business policies. The software engine can also explain the rationale behind its decisions.

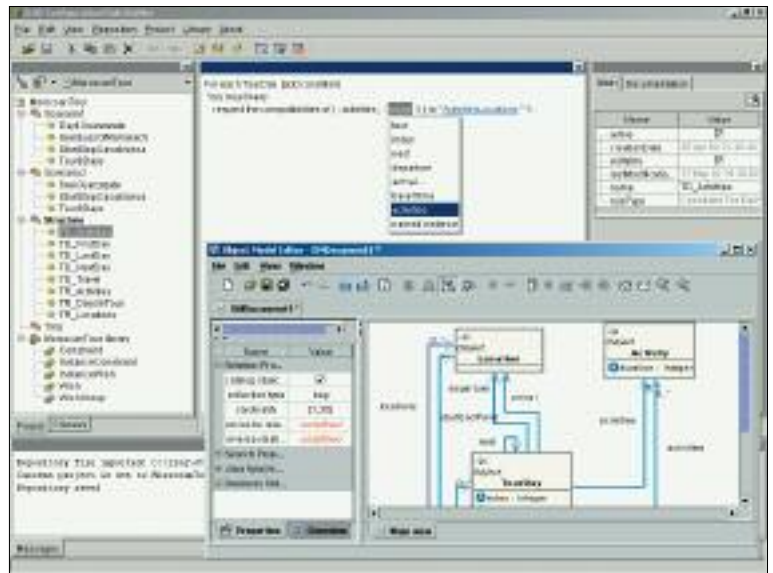### Java, XML and Web Service (SOAP) integration

ILOG JConfigurator provides seamless integration with Java applications through its Java API. Web-enabled out of the box, it comes with an EJB wrapper and supports the Web Service protocol (SOAP). To ease the use of Web Services, it provides a client-side stub available in Java and C# for use with any Microsoft .NET language. These services streamline the development of highly scalable Web-based applications and integration with existing applications.

Features and Benefits

Preference-driven configuration	Ensures the best product match for the customer
Recommendations and explanations	Takes the mystery out of the configuration by helping the customer understand the selection process
Comprehensive integrated development environment	Enables the user to rapidly build and manage complete configuration applications
Leading constraint-based engine	Eases application maintenance and allows unstructured input from the final users
Java, XML and Web Service (SOAP) integration	Allows immediate deployment to the Internet with Web-enabled configuration applications

ILOG JConfigurator — Configuration Rule Builder

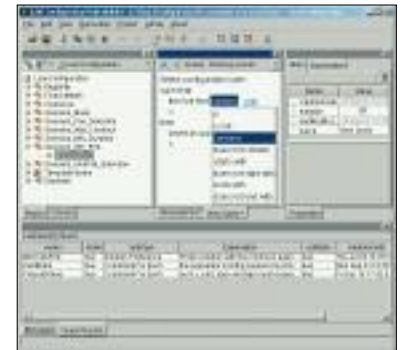## Comprehensive integrated development environment (IDE)

A complete set of productivity tools allows developers to graphically define the product or service structure, and edit, manage and test configuration rules, all in the same IDE.

The IDE includes:

- **Object Model Editor:** graphical editor for easily designing the product or service structure, and editing and managing objects and relationships
- **Configuration Rule Builder:** intuitive editor that enables nontechnical users to edit configuration rules, with a point and click interface
- **Application Runner:** runs scenarios defined in the Configuration Rule Builder, for rapid testing without coding in Java
- **Search Profiler:** helps tune the engine by graphically displaying the decisions made and the results obtained by the engine when searching for configurations
- **Configuration Rule Management:** the Rule Builder also provides tools to store, version, query, manage and deploy configuration rules

Configuration Rule Management

The ILOG JConfigurator engine can handle the entire range of configurations

Powerful constraint-based engine

Suitable for batch and interactive configurations, the ILOG JConfigurator engine can handle the entire range of configurations, from the simplest flat problems to complex nested ones.

The engine is backed with unmatched features and functionality:

- **High Expressiveness:** provides a wide range of operators on objects and their attributes – Booleans, integers, floating-point variables or strings – and allows complex arithmetic expressions to power the most demanding applications
- **Unparalleled Performance and Scalability:** Web-tested on the most popular Web application servers, providing short response times and high scalability
- **Constraint Programming Technology:** frees the end user from a rigid predefined interaction path; developers and business users do not have to worry about the order of the configuration rules
- **Extensibility with ILOG JSolver:** when the most complex applications require new customized constraints to be written, ILOG JConfigurator can be extended with ILOG JSolver, ILOG's core Java constraint programming engine

Configure it with ILOG JConfigurator:

Financial Services: loans, mortgage …

Insurance Services: coverage for cars, businesses, homes, healthcare …

Communications: equipment (telephones, servers, private lines) and services (new accounts, technical support, service level agreements) …

Travel and transportation: trip planning …

And more: motor vehicles, computers, kitchens, airplane cockpits and cabins …

To learn more about ILOG JConfigurator

Contact your local ILOG Sales Representative by calling 1-800-FOR-ILOG (US only) or 1-775-881-2800 (international) or visit www.ilog.com/products/jconfigurator.

"By combining their industry-leading optimization and business rule management features and putting business users more in control of the configuration process, ILOG is helping Tavant customers like Ingersoll-Rand Company be more responsive to their unique market's needs."

– Sarvesh Mahesh
CEO and Founder
Tavant Technologies, Inc.

ILOG JConfigurator enables companies to give customers the best fit in products or services

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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