

# ILOG Rules for COBOL

## Business rule management for COBOL systems



### Business still relies on COBOL

Most Fortune 500 companies have their mission-critical applications on mainframes, and a large number of these applications are written in COBOL. In fact, as much as 80 percent of the world's business runs on COBOL. Almost every industry – from banking and finance to transportation and manufacturing – relies on COBOL-based applications, and a large portion of their more than 180 billion lines of code contains “hidden” business rules.

### New tricks for COBOL applications

ILOG Rules for COBOL provides a cost-effective way to add powerful business rule management system (BRMS) functionality to an existing COBOL-based system to implement or greatly improve policy change management and automated decisioning. It works by providing mainframe COBOL programs with access to most of the core features of ILOG JRules, the market-leading ILOG BRMS product.

### BRMS solution for COBOL systems

ILOG Rules for COBOL is well suited for companies that deploy business rules in COBOL mainframe applications but want to benefit from the latest BRMS technology. The rules in a COBOL application can be incrementally migrated to a central business rule repository, where they can be externally managed – even directly by business users – and still be executed in COBOL code. ILOG Rules for COBOL adds new life to systems long relied on by businesses the world over.

- **BRMS functionality for COBOL systems**
- **Leading business rule technology**
- **Externalize rules for COBOL**
- **Change as your business changes**
- **Complete life-cycle management for business rules**



## Stay competitive

To compete, companies have to deliver quickly and accurately, and ILOG BRMS helps them succeed. Used in mission-critical enterprise systems in virtually every major industry today, ILOG BRMS lets companies implement new policies and procedures in the shortest time possible. It enhances productivity and brings unsurpassed levels of usability and sophistication to mainframe business applications. ILOG Rules for COBOL makes ILOG BRMS accessible to COBOL applications. It also provides a springboard for separating the rules within a COBOL application and developing them into components for a service-oriented architecture (SOA) implementation.

## How it works

ILOG Rules for COBOL serves as a bridge between ILOG JRules and COBOL systems:

- **Define the input and output for generated code** by importing COBOL data structures into ILOG JRules Rule Studio to create a Business Object Model (BOM)
- **Create a business vocabulary** for the BOM and extend the imported data-centric BOM with action phrases
- **Create rule flows**, Business Action Language (BAL) rules, decision tables and decision trees using standard ILOG JRules features
- **Generate COBOL source code** from defined and published rule sets for compilation into an executable format

## Advanced BRMS available for COBOL

ILOG Rules for COBOL enables developers working within a COBOL environment to apply the core BRMS functionality of ILOG JRules:

- **Business rule repository** – This central storage area allows users and applications to manage and share rules, and incorporates a complete, integrated history and versioning mechanism.
- **Business rule authoring environment** – ILOG Rule Studio and Rule Team Server provide functionality for authoring business rules and generating COBOL source code. Rule Team Server is a collaborative Web-based environment for authoring, managing, validating and deploying business rules. It provides enterprise-class content management for rules.
- **Query and reporting** – Query-based reporting facilitates custom report generation at the rule-set, rule-project and repository levels.
- **Rule templates** – Users can consistently define rules across applications by modifying predefined rule templates.

## Life-cycle management for business rules

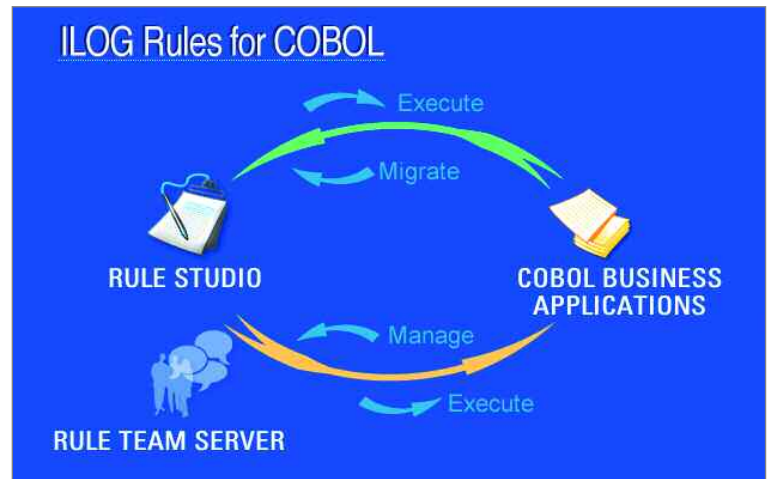
ILOG BRMS effectively and efficiently delivers full life-cycle management for business rules. Managing business rules throughout the rule life cycle requires more than just authoring, testing and deploying rules for a specific business area. Equally important is effective management of changes to rules after they have been deployed to achieve time and cost savings. ILOG JRules provides critical functionality for developing and managing business rules, and ILOG Rules for COBOL makes the rules work natively in COBOL.

## ABOUT ILOG

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,500 corporations and more than 465 leading software vendors rely on ILOG's market-leading business rule management system (BRMS), supply chain planning and scheduling applications and optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. ILOG was founded in 1987 and employs more than 800 people worldwide. For more information, please visit [www.ilog.com](http://www.ilog.com).

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Add decisioning to COBOL solutions

## Learn more

For more information on ILOG Rules for COBOL, contact an ILOG Sales Representative near you or visit <http://rulesforcobol.ilog.com>.

## Platform support

ILOG Rules for COBOL is supported on all ILOG JRules Rule Studio and Rule Team Server platforms. The COBOL code that is generated is compatible with IBM Enterprise COBOL.



Changing the rules of business™