

# ib arm Business Rules Extractor

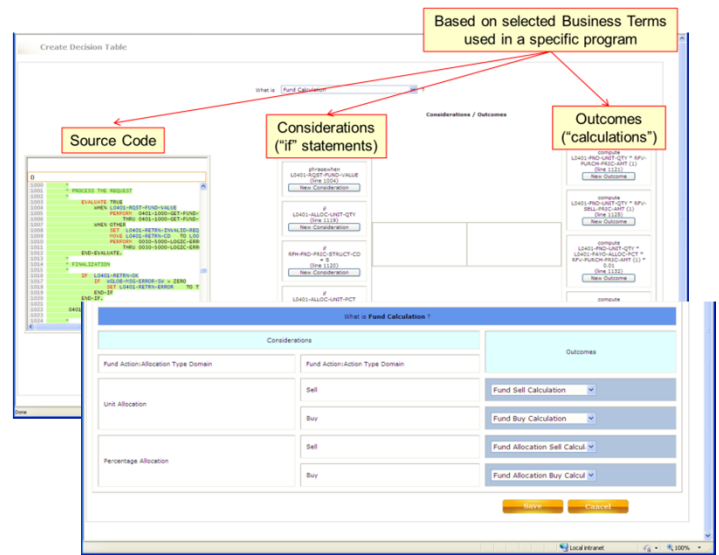
Discover, document and manage business rules encapsulated in your application portfolio.

An Application Portfolio is an investment in day-to-day business operational capability. Every CIO knows the heavy cost in creating business systems that semi-automate *business know-how*. The downside: business know-how is not only encapsulated it is also frozen. Business change requires more costs to re-discover the “business know-how” in order to expand/maintain the operational capability.

Reliable and effective change requires:

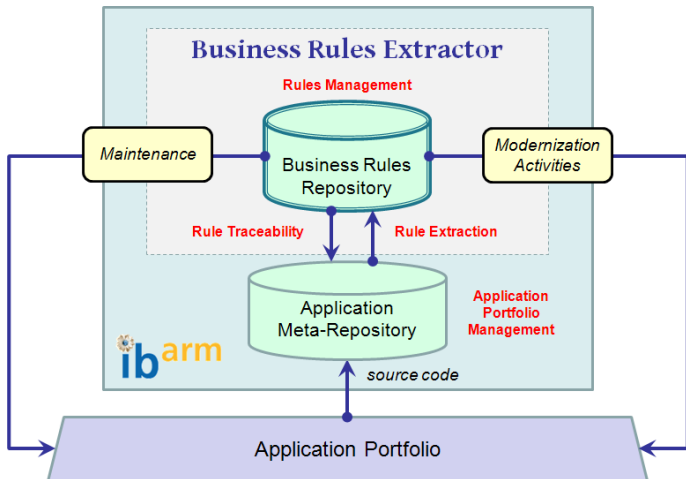
- ❖ Extraction of explicit Business Rules from application software
- ❖ Traceability of Business Rules to implementing software
- ❖ Analysis of Business Rules for continued relevance
- ❖ Business Rules expression in open, industry standard format
- ❖ Compiler-grade semantic analysis of source code to yield high degrees of automation in extraction

**Business Rules Extractor** is a comprehensive and feature-rich Workbench that provides Business and Systems Analysts with a tool-assisted *evergreen* capability to discover and document Business Rules that exist within an Application Portfolio. The IB-ARM Business Rules database remains contextually related to the implementing software components, while providing a solid foundation for future development, rationalization and modernization activities.



**Business Rules Extractor** was developed based-on and to support the current state-of-the-art thinking including the “Business Rules Manifesto” and OMG’s Semantics of Business Vocabulary and Business Rules (SVBR).

Based on literally hundreds of years of experience in Business Architecture, Modeling and Analysis, Information Balance has developed a practical yet simple, rules extraction methodology. It provides Analysts with the ability to rigorously mine rules from application code to create a Business Rules Book that can contribute directly to Application Modernization activities.



The **ARM** Repository is a “road map” to the inner structure of computer applications. The “Road Map” is constructed using *advanced semantic analysis* (parsing) technology to penetrate deep into the structural details. These structural details encapsulate strategic business processes and business rules. *The ARM Repository is uniquely positioned to assist in the extraction and codification of Business Rules.*

# CAPABILITIES OF THE

# Business Rules Extractor

## Functionality

### **Business Rules Mining**

- ❖ Advanced Search capability for software constructs implementing Terms, Facts and Operational Business Rules
- ❖ Intuitive support for creating Decision Tables, Derivations and Integrity Constraints
- ❖ Relationship between Business Rules and Implementing Constructs automatically created and Maintained – relationship remains evergreen

### **Business Modeling Support**

- ❖ Define Terms, Facts, Derivations, Decision Tables, Integrity Constraints
- ❖ Define Business Functions, Processes and Tasks
- ❖ Relate Business Rules to Business Activities

### **Impact Analysis**

- ❖ Automated Alerting (Reporting) of Code Changes reflecting possible changes in Business Rules
- ❖ Perform Impact of a change to a Business Rule to implementing code

### **Reporting**

- ❖ Generate Business Rules Documentation including Term Glossary, Fact Model, Decision Tables, Derivations
- ❖ Generate evergreen process documentation such as Use Cases and Process Narrative
- ❖ Generate diagrams such as Fact Models, Process Decomposition and Use Case Models

## Features

- Repository-based management of Business Rules
- Seamlessly integrated with the ARM Application Repository
- Intuitive, wizard-based user interface.
- Advanced code mining capability
- Advanced automatic detection of possible business rules using semantic analysis
- Advanced Business Rules definition capability for Decision Tables, Derivations and Integrity Rules
- Business Rules remain attached to implementing code constructs even when code changes
- Ability to augment the Rules Database with Business Rules defined from first principles
- Support for all standard Business Rules concepts – Terms, Facts and Operational Business Rules
- Ability to create Business Process Model and automatically connect appropriate Business Rules
- Automated process documentation including Use Cases
- Standard Office tools integration including MS Office and Libre Office
- Automated documentation for Business Glossary, Fact Model, Decision Tables, Derivation and Integrity Constraints
- Support for managing Business Analysis tasks within a Project

## Why Business Rules Extractor?

- Significant increase in productivity for Business and Systems Analysts
- Documentation becomes evergreen – eliminating shelf ware
- Business know-how released from IT Systems while remaining directly connected to implementation technology
- Automated impact analysis for changing Business Rules
- Automated alerts to changes in IT Systems that reflect potential changes in Business Rules



**Information Balance, Inc.** develops software solutions to support large scale application development and maintenance practices across mainstream technology platforms. Its flagship product **Application Road Map (ARM)** is a unique Application Portfolio Management (APM) solution. The company's clients include leading financial services, insurance, telecommunications and retail organizations across North America. For more information, please call 416-962-5235, e-mail [infobal@infobal.com](mailto:infobal@infobal.com), or visit our website at [www.infobal.com](http://www.infobal.com).