

Business Rules Extraction (BRX) with Application Analyser

A tool-assisted solution for identifying and documenting the critical business processes hidden in your COBOL applications.

Business Rules and their importance

Business Rules are the sections of code in your COBOL programs that provide the business logic and functionality for your application. Conditions, calculations and proprietary algorithms control how your application works and what it actually does for your organization. Business Rules represent the intellectual property of the organization, provdiing competitive differentiation and business optimization.

Business Rules are deeply embedded in the existing COBOL program's and depending on how applications are, many of these rules may not be known or documented anywhere outside of the code itself.

Over time, rules inevitably change as the underlying business processes evolve. In many organizations, it becomes impossible for anyone to fully understand all of the logic and conditions that are embedded in their COBOL applications.

This lack of understanding can become a problem when trying to enhance the application to meet new business needs. It becomes an even greater concern when organizations look to replace or redevelop an application. Requirement definitions involving changes to existing Business Rules or the addition of new rules will be on a shaky footing if the existing, already embedded rules are not well understood and documented. Projects will struggle to deliver the desired functionality and may even introduce unexpected processing errors into the changed application.

The challenge

Identifying Business Rules hidden within a COBOL application is an arduous task if undertaken manually. Manual approaches are also open to inaccuracy and omissions, leading to unreliable results. This drives up costs as post-delivery corrections are always expensive.

A software tool that can automatically identify Business Rules is very appealing. However, previous attempts to fully automate the extraction of Business Rules have led to mixed results, often generating a huge amount of data, much of which doesn't represent actual Business Rules.

FACT SHEET

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Business Rules hidden in an application is to combine the subject matter expertize of an application analyst or developer, with a tool that provides an automated process for exposing potential Business Rules. This dramatically improves the productivity compared to a manual approach, while ensuring that only true Business Rules are extracted and documented.

Our solution

A heuristic, semi-automated process

The Business Rules Extraction (BRX) add-on module to our Application Analyser product, leverages the deep semanitc understanding already captured in the Application Analyser database. BRX provides user defined criteria to search for potential Business Rules in an application.

The criteria can be set for candidate statement types, as well as cadidate data within a statement. For example, an IF statement that is based on data derived from a database table or screen input is more likely to be a Business Rule, than an IF statement that is based on internal working storage data.

BRX identifies all candidate statements and then applies a weighting to them, depending on the criteria created by the user. This quickly and automatically produces a list of candidate Business Rules that an expert application analyst can evaluate and subsequently accept or reject as a bona fide Business Rule. Each identified Business Rule can be documented in free text as well as code snippets. Rules and their descriptions are stored in the Application Analyser database.

Once Business Rules are indetified and documents, BRX can generate Process Flow Models showing how transactions are processed through the application, depicting each program and their associated Business Rules. This is extremely helpful for developers enhancing applications or replicating the application's functionality in a replacement or re-development

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Business Rules Extraction (BRX) with Application Analyser

Benefits

- Identify the hidden business rules in your COBOL applications in a cost effective, highly productive and accurate manner
- Users are configured to your business and application environments
- A wide variety of COBOL compilers are supported
- > Business Rules are documented in English
- Display Business Rules in Process Flows, referencing underlying programs
- BRX builds on the proven capabilities of our Application Analyser solution

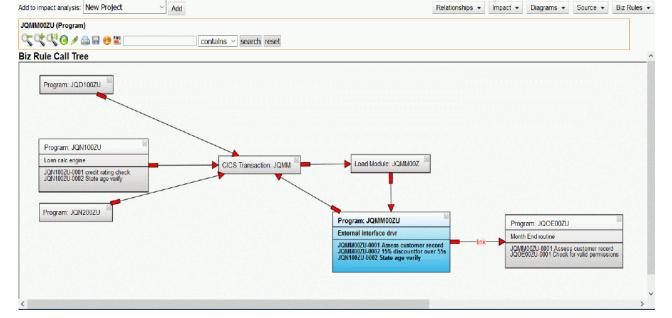
Supported technologies

COBOL, S-COBOL, T-COBOL, COBOL VME, Micro Focus ACUCOBOL-GT, Micro Focus COBOL, HP COBOL

About Advanced

Advanced is a leading provider of innovative and pioneering modernization solutions, with thousands of organizations worldwide using our products and services. Our aim is to enable our customers to increase business value and maintain competitive advantage through maximising the potential of existing data and applications. This provides a rapid return on investment, a reduction in costs, improved productivity and efficiency with the ability to manage operational risk.

With over 30 years of experience, and expert staff who are dedicated to servicing the needs of organizations with legacy systems, we pride ourselves in our tailored approach to organizations. Major organizations including Deutsche Bank, Citi, Gap, International Paper, Chevron, Associated Wholesale Grocers, Genunie Parts Co., The Home Depot and many other wellknown firms have enjoyed the business benefits of an Advanced approach to legacy applications.



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