CM MetaAnalytics Bridge for CA Repository

CM MetaAnalytics Bridge for CA Repository enables large IT organizations to harness the power of CM evolveIT technology to automatically analyze and inventory existing software assets and load into CA Repository. It will increase the value of your CA Repository by enabling deeper and wider impact analysis - facilitating component reuse, code quality analysis, legacy modernization planning, and faster business process change across an enterprise application portfolio.

CM META ANALYTICS BENEFITS

+ **Reduced Risk:** Understanding of your code base ensures successful portfolio assessments, code quality improvement initiatives and modernization efforts

+ **Improved Availability:** Scalable and fast analysis process and integration with CA Repository delivers deep understanding of applications to stakeholders

+ **Increased Efficiency:** Knowledge gained leads to code optimization and efficiency

Business Challenge

Organizations that are using CA Repository help manage their application portfolios often need a deeper understanding of their enterprise applications. They need to understand the overall code structure and dependencies, application component connectivity, and database schema interaction prior to making a decision about which of the many modernization options works best in their situation.

Many of these companies discover that they have limited or incomplete information about their code portfolio. Often the scanning technology they are using is not powerful enough discover all the code dependencies and interconnections. With geographically-dispersed and outsourced development teams, and new architects trying to understand legacy applications that may no longer run optimally, the need to understand code at a deep level is compelling and the CM MetaAnalytics Bridge for CA Repository is the answer.

Solution Overview

The CM MetaAnalytics Bridge for CA Repository adds sophisticated code comprehension to CA Repository, dramatically increasing the productivity of system architects and analysts that use this product. This product has a unique capability to automatically analyze and comprehend source code portfolios across a variety of platforms and language domains - ranging from object-oriented Java to procedural COBOL, JCL, and Assembler.

The solution is fast and accurate, enabling completion of many analysis tasks that would otherwise not be feasible using conventional techniques. In two steps, you can obtain the information you need. First, code is imported and scanned from the source code repository. Second, the solution automatically derives a wide variety of information including component connectivity, data lineage, business rules, and code maintainability metrics. The results of the analysis are stored in standard XML format, which loaded into CA Repository using CA's Universal XML Exchange interface. Automation is built in so the process can be used as part of a DevOps solution.

CM EVOLVE IT® CM META**ANALYTICS**® BRIDGE

Key Features

Code Parsing
Fast, automatic parsing of source code into structured XML using the sophisticated CM evolveIT code analysis engine. Includes relevant metrics about software code, quality and complexity.

Application Data
Derives component connectivity and 'where-used' information as well as file I/O usage, variables, SQL access, and others. Detects name and type of object-oriented classes and methods.

Software Quality Resolution
Optional modules available to analyze code quality, clones, and dead code.

High Performance
Runs on Intel processors to avoid mainframe MIPS costs. Supports multi-core and parallel processing to speed analysis. Scalable to enterprises with millions of lines of code.

Public Cloud Support
Runs on virtualized and cloud servers such as AWS.

Platforms Supported
CM MetaAnalytics runs on Microsoft Servers connected to IBM i/z and other popular host-based source repositories, and is multi-processor optimized. Support for many popular mainframe development languages, including COBOL, ASM, JCL, Java, and SQL. Includes support for surround technology including CICS, DB2, MQ, IMS, Link Cards, JES3, and more.

Related Products/Add-ons

SQL Module
This module adds support for relational database connectivity, including JDBC/Hibernate, and IBM SQL preprocessors).

Metrics Module
This module computes all popular code complexity metrics including Halstead, McCabe, and SEI.

SCM Connector Module
Automation support for integration into DevOps, can process release deltas based on interface files generated from CA Endevor ond other SCM's.

CA Repository Interface
This interface facilitates the integration of results into CA Repository using Universal XML Exchange for both zOS and Distributed platforms.

CM First Services
CM First offers a variety of customization options for customers with additional requirements. These include: Automated code and schema migrations or mass changes; Incorporation of difficult or obscure language domains; Added support to handle coding problems that make automated detection challenging; and CA Repository integration and reuse rule development.

For more information, visit **cmfirstgroup.com/support/solution-demo**

Request a Demo Today

You can also call us at **888-866-6179** or email us at **info@cmfirstgroup.com**

CM FIRST
Rethink Modernization

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