

CM evolveIT- Automated Analysis & Documentation for IT Systems

Product Overview

CM evolveIT provides deep technical and business understanding on how and why your Mainframe applications work. Users can access this intelligence through an array of reports, visualizations, documentation, and querying tools. All of the information is completely interactive within CM evolveIT's windows interface enabling users to walk step-by-step through the analysis process to the next answer in a fraction of the time than with traditional Mainframe tools. This results in a tremendous time savings as well as a much more comprehensive and accurate understanding of your applications inner-workings.

CM evolveIT is unique in its ability to analyze even the largest and most complex systems. How good is the tool if you can't rely on the results? Unlike many competitive products, CM evolveIT resolves all of the "unique" code semantics found in large legacy systems. CM evolveIT has parsed over a billion lines of COBOL code and is aware of the many compiler version differences that exist in the IBM and ANSI standards.

Features Overview

Automation and visualization of research analysis with CM evolveIT.

- Central repository of knowledge prebuilt and ready to provide answers in seconds.
- Single view of all system components and one click component relationship information for understanding system dependencies and interfaces.
- Interactive user interface: all queries, reports, diagrams, code listing are completely interactive allowing the user to drill up or down in any direction to gather the next piece of information point-to-point.
- Quick query any system component or multiple components to find any data or code element in the entire system or just a few highly targeted components. Use regular expressions for more precise searches and answers.
- Pre-built library of queries, reports and diagrams provide a head-start for analysts investigating common development tasks or quality issues.
- Sophisticated impact analysis resolves all data references, even if naming conventions were not consistent, to avoid unintended repercussions stemming from changes to code.
- Rich, synchronized, always-current, and interactive visualizations allow users to get 'up to speed' on even the most complex applications.
- Trace data flow and logic across the system, even when the data has different names.
- Data usage analysis engine finds data usage within programs and shows the analyst exactly where to look.
- Diagram code to show program flow, data accessed, and any other aspect of a program.

Business Benefits

CM evolveIT helps organizations to overcome the short comings of traditional Mainframe analysis tools. Key advantages for IT organizations are:

- **Productivity:** CM evolveIT replaces the slow, tedious and error prone process of Mainframe scans and reading compiler listings. CM evolveIT users gather the knowledge they need in their everyday activities in a fraction of the time. This knowledge means that change requests or fixes can be executed faster, cutting up to 75% of the time required to isolate the area of the system impacted.
- **Enable Modernization Projects:** Understand legacy system component and data dependencies to logically segment the application portfolio into manageable pieces and ensuring no disruption to the rest of the application portfolio when decommissioning portions of the legacy system.

- **Regain Management Control:** Accurate separation and understanding of the critical business logic and related technology frameworks impacted by change allows leaders to better plan, prioritize and predict timeframes for tasks involved. It also eases communication between business and technical users, cutting turnaround and rework.
- **Keep up with Brain Drain:** Instant documentation and collected insights about the application makes your entire team 'instant experts'. This shortens the learning curve for new team members by 60% or more.
- **Improve Application Quality:** Pre-built and customizable queries and analytic metrics reveal areas of risk and inefficiencies: Cyclomatic complexity, bug prediction, dead code, inefficient SQL and much more. Eliminating these issues can dramatically improve developer productivity and slash unnecessary resource consumption.

Regain control over projects

- Map key processes separating control flow logic from key business logic.
- Complexity and other assessment metric reports allow managers to understand areas of risk and plan modernization options.
- One button repository refresh ensuring accuracy of the information.
- Proprietary enterprise-class repository allows even the large applications to be modeled and shared across development teams and multiple locations.
- Users can share analysis results: diagrams, queries, reports, and notes to ensure that even junior team members can be experts on existing applications.
- Customizable and shareable diagrams and reports allow entire development team to use common best practices and yield consistent results.

Supported Environments

CM evolveIT requires only the Microsoft Windows operating system to be in place before installation. No other software components are required for an CM evolveIT installation.

Operating System: (The CM evolveIT installation is available for both 32bit or 64bit Operating System versions.)

- Windows XP, Vista, 7, 8, 8.1, 10
- Windows Server 2008, 2012

Language Support

CM evolveIT fully supports all dialects of IBM COBOL along with the screen definitions, databases, job control language, transaction processing systems files included with COBOL systems. Additional Languages are being added such as Java and .NET with Web Services for Cobol. The flexibility of CM evolveIT means that we can extend support to cover most environment extensions with little additional effort or cost.

Contact CM First Group

1-888-866-6179
info@cmfirstgroup.com
www.cmfirstgroup.com