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Micro Focus™ COBOL Analyzer: Insight at the Point of Change

Micro Focus™ COBOL Analyzer is a comprehensive analysis solution designed for applications written in Micro Focus™ COBOL. It enables developers, analysts and executives to achieve a deeper understanding of their application portfolios providing business and technical insight across applications with information stored in a secure, centralized repository. Micro Focus™ COBOL Analyzer enables IT teams to identify, prioritize, implement and measure application change activities that align with current business needs.

Micro Focus™ COBOL Analyzer at a Glance

- **Accelerate Change Requests:**
  This analysis solution eliminates unexpected work by identifying application code change.

- **Reuse Business Rules:**
  Application architects can support new use cases by isolating business logic into reusable components.

- **Restore Subject Matter Expertise:**
  New staff acquire application knowledge using easy-to-use tools to identify dead code, visualize relationships, analyze data flows or create documentation.

- **Enterprise Scalability:**
  Supporting the most complex applications and millions of lines of code, this solution delivers analysis at enterprise scale.

- **Robust Report Capabilities:**
  Generate reports to manage and monitor modernization projects, coding standards, quality metrics and much more. Micro Focus™ COBOL Analyzer offers a highly customizable framework to create reports with the latest information to give you control over your projects.

Business Challenge

Every major business process—from financial reporting to customer management—depends on software applications. They must be efficient, reliable, compliant and flexible enough to support new business requirements. But these applications have been developed over many years or even decades, across diverse environments, and enhanced under tight time pressures. Documentation is rarely current and system experts have often moved on. The complexity of these systems and limited insight into the application portfolio can lead to a number of business challenges including:

- **A lack of subject matter expertise** as retiring SMEs leave a knowledge gap and limited documentation placing new application development at risk.

- **Costly development processes** as global IT spend over 80% of its budget on maintenance activates diverting precious resources from new innovation.

- **Inconsistent information** as a result of limited visibility between analysis and development phases leading to risky application change and costly re-work.

- **Stalled modernization projects** as IT lacks the needed insight to prioritize and scope these high-value application change activities.

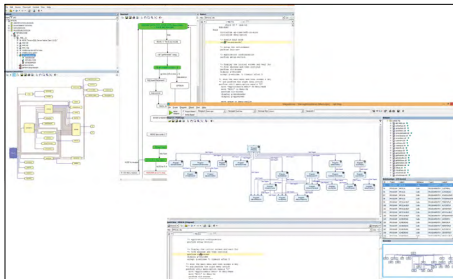- **Slow delivery of change requests** as business users and IT struggle to translate business needs into development requirements amid an increasingly complex application estate.

The Solution

Micro Focus™ COBOL Analyzer by OpenText provides valuable insight and knowledge enabling developers, analysts and executives to easily understand application logic, relationships and the impact of change. The following are key capabilities of the Micro Focus™ COBOL Analyzer solution:

- **Application insight at the point of change:** Developers are able to continuously analyze their code before and after making changes within their local environment and before committing those changes to their source control management system.

- **Scalable application repository:** Micro Focus™ COBOL Analyzer is built on an industry standard, relational database management system (RDBMS) for centralized storage of application information and artifacts.

- **Application visualization:** Intuitive, synchronized and interactive visualizations ensure that developers and analysts receive current code change updates on even the most complex applications by visualizing:
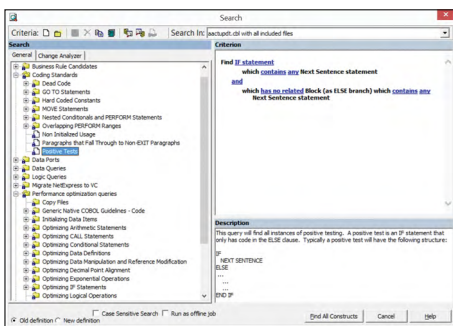 – How applications fit into the inventory, their dependencies and relationships.

Figure 1. Interactive analysis and application visualization

- – Program structure with fast navigation to areas of interest.
- – The impact of application change within programs, data flows and source modules.
- ■ **Fully customizable code search facilities:** A pre-built query library, within Micro Focus™ COBOL Analyzer, includes a set of common, customizable and shareable queries designed to locate points of interest in the application code and improve visibility to code change across development teams.

Figure 2. Pre-built query library that can be fully customized

Built-in queries include coding standards, performance optimizations and code migration issue related searches.

- ■ **In-depth analysis tools:** Enable code analysis modules across the application portfolio and within specific areas of interest including:
  - – Application and program level understanding using extensive metrics, reports, diagrammatic views and querying tools.
  - – Comprehensive tools to analyze and determine the impact of code change within an application inventory, tracing impacts through code, data, report and application interfaces.
  - – Portability and migration assessments to help assess portfolio inventory, key metrics and risk areas for application platform rehosting, product upgrade and modernization projects.
  - – Standard code quality queries serving as guidance to improve code quality practice across development and maintenance phases.
- ■ **Dead code identification:** Find dead statements and paragraphs, unused data items and similar code across the application. Removal and consolidation of these findings can significantly reduce the size of the application source code.
- ■ **Change Analyzer:** This tool will provide all the code that is affected by the planned code change event. Users can then easily investigate and take next steps to complete that code change activity.

For more information, including a free product trial, visit: **www.microfocus.com/cobolanalyzer**

Learn more at **www.opentext.com**

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