

Micro Focus™ Enterprise Analyzer

Micro Focus™ Enterprise Analyzer delivers a wide array of tools and content to support better application understanding—from graphical CIO dashboards to granular developer programs and field insight. This static code analysis toolset, comprised of Micro Focus™ Enterprise Analyzer, Micro Focus™ Enterprise View and Business Rule Manager, also scales to manage complex, multi-million line-of-code application portfolios. Micro Focus™ Enterprise Analyzer use cases include Application Portfolio Management (APM), modernization portability and risk assessment, merger and acquisition, activity code quality, application development and maintenance, documentation, and business rule mining.

Business Challenge

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

- **Poor management control:** Executives cannot assign resources to work on what matters most to the business
- **Slow turnaround on business needs:** Applications are too inflexible to be adapted quickly and without risk. In addition, business users and IT can't translate needs into development requirements
- **Inefficient development processes:** Global development teams spend up to 80% of their budgets on maintenance activities, diverting resources from the newer, high-value services the business demands

- **Inconsistency of information:** The ambiguity between the analysis and development phases inevitably leads to errors, increasing the cost of change and impact to the IT budget
- **Difficulty in selecting modernization projects:** Businesses recognize the value of modernizing their application portfolios, but cannot do so without the insight to prioritize and scope these high-value activities

How Enterprise Analyzer Can Help

Micro Focus™ Enterprise Analyzer by OpenText™ is a comprehensive analysis solution aimed at enterprise applications. It enables a deeper understanding of application portfolios and provides centralized business and technical insight into core applications with information stored in a secure, centralized repository. This enables global IT teams to identify, prioritize and execute development activities that realign applications with current business requirements.

Key Benefits

Business users and executives can expect:

- **Improved governance:** Managers use intuitive dashboards to regain control of the business applications and tracking key performance indicators

Quick View

Micro Focus™ Enterprise Analyzer enables IT management, business analysts and developers to:

- Understand the value of mainframe applications
- Improve application quality by measuring and managing code change
- Demystify large, complex codebases and application portfolios
- Reduce the cost of application maintenance by 15%
- Deliver application development and modernization projects up to 40% faster
- Automate the discovery and documentation of hidden application logic
- Add code analysis and enforce coding standards as part of your Continuous Integration (CI) pipeline

- **Better business visibility:** Analysts, architects and executives get a business perspective on their applications
- For architects, analysts, and development professionals:
- **Rich documentation creation:** To recover lost knowledge on even the most complex of applications. This supports development and design decisions while improving productivity
- **Improved team effectiveness:** Ease of use enables even new joiners to become 'instant experts', increasing effectiveness and confidence when making code changes
- **Delivery of quality applications:** Build or reuse queries to locate issues without disrupting stability
- **Accelerated modernization projects:** Isolates business logic into reusable components and helps re-architect systems, eliminating low quality or redundant code
- **Enterprise level scalability:** Manage complex application portfolios that include hundreds of millions of lines of code

Feature Overview

Enterprise-class application repository: Micro Focus™ Enterprise is built on a powerful, enterprise-class repository that stores application information in a central location. Powerful administration tools enable:

- Remote access to mainframe source control systems synchronizing source modules into the repository on change
- Automatic repository updates to ensure this remains the 'source of truth' for development and analyst teams
- Integration with data coming from third-party sources such as HR and ERP systems

Comprehensive application support: Enables enterprise applications to be analyzed with support for:

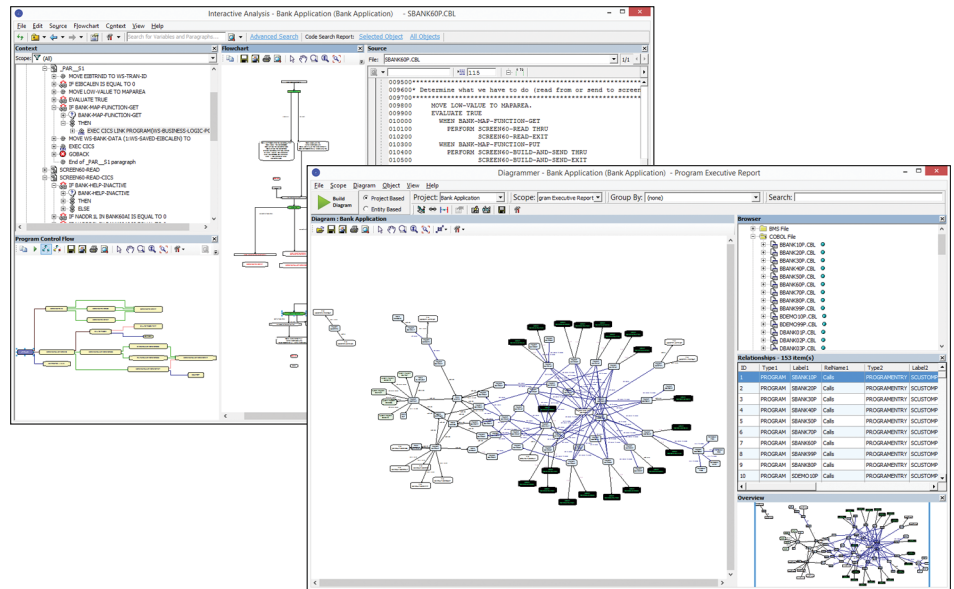


Figure 1. Interactive analysis and application visualization

- Multiple IBM mainframe, OpenText™ Distributed and other COBOL dialects
- Enterprise PL/I, JCL, IBM High Level Assembler and Natural Adabas, and JAVA
- CICS and IMS based applications including support for BMS and MFS
- Data access including QSAM, VSAM and RDMS primitives

Code slicing facility: Enables developers and architects to create new, re-usable components by separating business logic and computations into new callable objects. This allows simplifying programs complexity and exposing the needed logic for testing, documentation and creating new APIs from existing code.

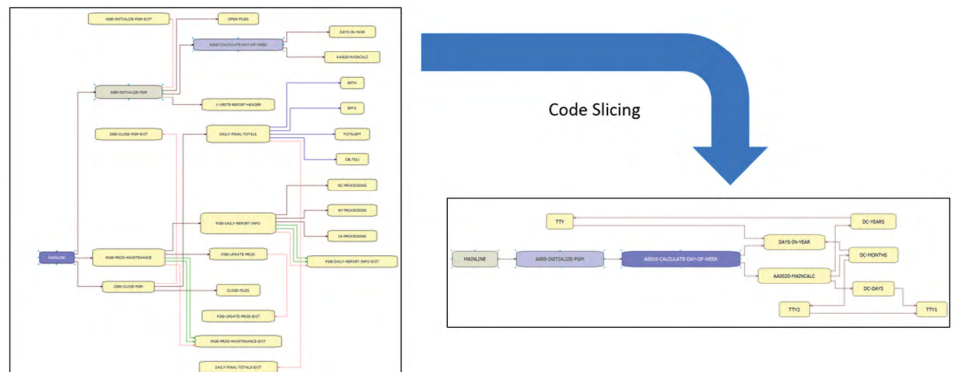


Figure 2. Powerful code slicing capabilities to create reusable components from existing business logic

“We recently re-hosted our relationship management application—one of the most critical ones—and [Micro Focus™] Enterprise Analyzer enabled us to optimize the code, fix any inefficiencies and generally improve the migration phase in a really quick and easy way.”

ALEJANDRO A. NAZAREVICH

Data Processing Manager
Sociedad Militar Seguro de Vida

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Integrated to development tool chain: Built-in integration with Micro Focus™ Enterprise Developer by OpenText™. Batch interface and REST API available for integration with other tools as well as a Jenkins plugin for seamless integration to Jenkins.

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

Product Updates

Choose the right Micro Focus™ Enterprise Analyzer option to meet your requirements:

- **Analysis REST API and Jenkins Plugin:**

A new, standard and easy to use Analysis REST API now available for integration with other tools such as Continuous Integration (CI) pipelines. A Jenkins plugin is also available.

- **Support for COBOL Security Scans powered by Fortify by OpenText™:**

Micro Focus™ Enterprise Analyzer now allows a 1-click creation of a Fortify package (MBS) for security scans of COBOL applications. The package can be used in Fortify SCA by OpenText™ and Fortify on Demand by OpenText™.

- **Micro Focus™ Enterprise Analyzer Analyst Client:** Provides all the tools you need to build and maintain enterprise

class repositories, plus the client tools to enable analysts to get a deep understanding of application and program architecture. Extensive metrics, reports, diagrammatic views and querying tools support multiple business initiatives including M&A, business/IT alignment, application modernization, development and maintenance.

- **Enterprise Analyst Developer Client:**

Provides developers or anyone wishing to access application knowledge with a simple to use web interface. This enables them to search, query and extract information from a centrally maintained enterprise repository.

Two further Micro Focus™ Enterprise Analyzer options are available:

- **OpenText™ Business Rule Manager:**

Speeds the discovery and control of business rules within an application

- **New** technical preview for deploying Micro Focus™ Enterprise Analyzer Server in a Linux Docker container. Contact your account manager or support engineer to get access.

Further details are available on specific data-sheets for these options.

For more information about Micro Focus™ Enterprise Analyzer, visit: www.microfocus.com/products/enterprise-suite/enterprise-analyzer/

System Requirements

Micro Focus™ Enterprise Analyzer server and client tools are available on the following 64 bit operating systems:

- Windows 10, 11
- Windows Server 2016, 2019, 2022

Micro Focus™ Enterprise Analyzer repositories can be created using the following 32/64 bit RDBMS platforms:

- PostgreSQL 13 or higher
- Microsoft SQL Server 2014, 2016, 2017, 2019 and 2022. (2017 or higher required for Windows 11 and Windows Server 2022).
- Out-of-the-box Microsoft SQL Server Express 2022 is also provided as an install option
- Support for creating workspaces on Oracle and IBM DB2 is being phased out. Recommended databases are PostgreSQL and Microsoft SQL

Micro Focus™ Enterprise Analyzer web client access requires one of the following browsers:

- Firefox 3.6 or higher
- Internet Explorer 6 or higher
- Chrome 6 or higher

Available for use on premises or on all major cloud providers including AWS, Azure and GCP.

Learn more at
www.opentext.com