MICRO FOCUS® | Enterprise Analyzer

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 biting even further into 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 MICRO FOCUS ENTERPRISE ANALYZER CAN HELP

Enterprise Analyzer 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 management dashboards to regain control of the business applications that track key performance indicators.

> **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 junior team members to become 'instant experts', increasing effectiveness and confidence when making 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 hundreds of millions of lines of code using Enterprise Analyzer's ability to scale to the largest Enterprise portfolio.

Feature overview

Enterprise-class application repository: Enterprise Analyzer 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 like HR and ERP systems.

Comprehensive application support: Enables enterprise applications to be analyzed. This includes support for:

> Multiple IBM mainframe, Micro Focus 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

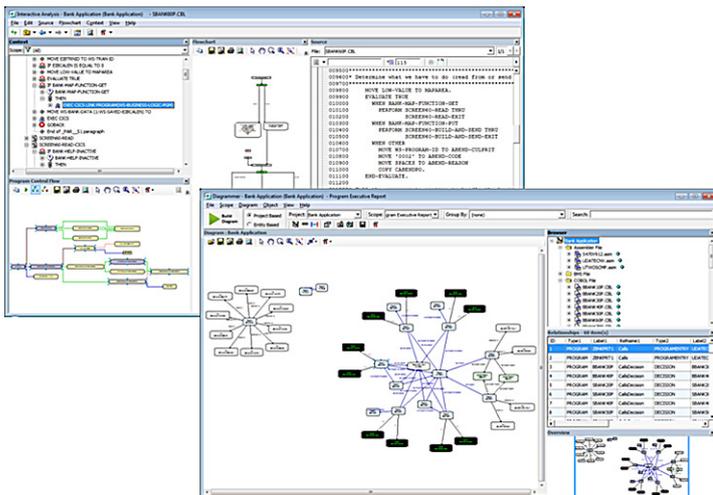> Data access including QSAM, VSAM and RDMS primitives.

Figure 1. Interactive analysis and application visualization

In-depth analysis tools: Enable analysis of areas of interest within code and across the application portfolio including:

> Application and program level understanding using extensive metrics, reports, diagrammatic views and querying tools

> Comprehensive tools to analyze and determine the impact of making a change to an application inventory, tracing impacts through code, data, report and application interfaces

> Portability assessment to help assess portfolio inventory, key metrics and risk areas for application platform rehosting projects

> Quality assessment with standard code quality queries to serve as guidance to a code quality practice in both development and maintenance phases.
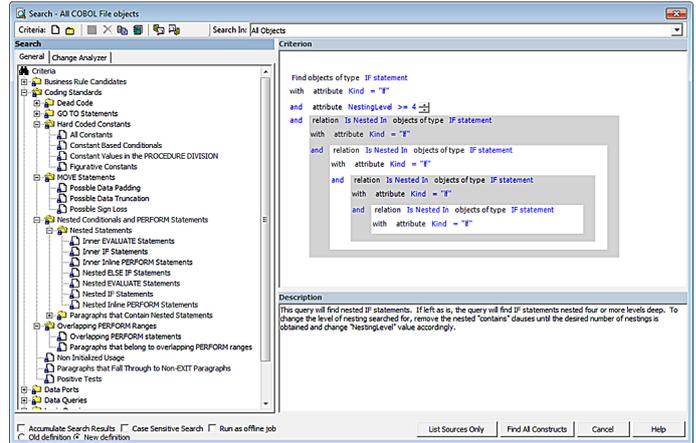

Figure 2. Pre-built query library that can be fully customized

Powerful query facilities: To locate areas of interest within code. A pre-built query library includes a rich set of common queries to provide a head-start when investigating common development tasks. These are fully customizable and the results can be shared with application developers to remove ambiguity when making code changes.

Application visualization: Rich, synchronized, always-current, and interactive visualizations ensure that developers can get up to speed on even the most complex applications by visualizing:

> How applications fit into the inventory and where the dependencies are

> Program structure with fast navigation to areas of interest

> Program and data flow through an application and within source modules to trace the impact of change.

Easily accessible application knowledge: Developers or any interested party have instant access to application knowledge through an intuitive web interface. This powerful 'Google-style' search interface is accessible in the available Enterprise Analyzer repositories. This means fast roll-out to development teams and ensures they have the knowledge available to quickly and confidently make application changes.

Figure 3. Fast access to knowledge through easy-to-use web portal

Product options

Choose the right Enterprise Analyzer option to meet your requirements:

> **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 Enterprise Analyzer options are available:

Enterprise View: Presents metrics and survey results in a graphical dashboard format, helping to guide portfolio management decisions

Business Rule Manager: Speeds the discovery and control of applications' business rules. Further details are available on specific datasheets for these options.

TECHNICAL SPECIFICATION

> Enterprise Analyzer Server and Client tools are available on the following operating systems: Microsoft Windows 7, Windows 8, Windows Server 2008 and Windows Server 2012.

> Enterprise Analyzer repositories can be created on Microsoft SQL Server 2008 R2 Standard and Enterprise, Microsoft SQL Server 2005, Oracle 10g/11g and IBM DB 9.5/9.7. Out-of-the-box Microsoft SQL Server Express 2012 or 2008 R2 is also provided as an install option

> Enterprise Analyzer Developer Client requires ones of the following browsers: Firefox 3.6 or higher, Internet Explorer 6 or higher, or Chrome 6 or higher.

For additional information about optional software and hardware, please contact **Micro Focus** or visit **www.microfocus.com**

For additional information please visit: www.microfocus.com