

Enterprise Analyzer

Every business process—from financial reporting to customer management—depends on software applications that must be efficient, highly stable, compliant and flexible enough to support new business requirements.

But many enterprise applications have been developed over 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:** Executives cannot assign resources to work on what matters most to the business
- **Slow turnaround:** Applications are too inflexible to be adapted quickly and without risk. Also, business users and IT can't translate needs into development requirements
- **Inefficient development processes:** Some development teams spend up to 80% of their budgets on maintenance activities, diverting resources from new, high-value projects
- **Inconsistent Information:** Ambiguity between the analysis and development phases leads to errors, increasing the cost of change

■ **Difficulty prioritizing 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.

Product Overview

Enterprise Analyzer is the most comprehensive solution available. It enables a deeper understanding of application portfolios and provides centralized business and technical insight into core applications so global IT teams can identify, prioritize and execute development activities that realign applications with current business requirements.

- **Rich technical insights:** Enterprise Analyzer parses source code across dozens of environments, from the mainframe to distributed applications
- **Subject matter expertise:** Users can discover and describe their applications in business terms
- **Add context:** Users can collect additional insights into the application portfolio from third-party sources, like HR, ERP, PPM, ALM, and BSM (Business Service Management) technologies

Supported Platforms—All Editions

Enterprise Analyzer—Analyst (Server and Client)

- Microsoft Windows 10
- Microsoft Windows 8
- Microsoft Windows 7
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008

Developer Client

- Eclipse
- Firefox
- Internet Explorer
- Chrome

Enterprise Analyzer—Supported Databases

- MS SQL Server
- Oracle
- IBM DB2

Enterprise Analyzer Modules

Enterprise Analyzer is built on a powerful, repository. Information about your applications is stored in this central location and can be accessed and adapted through a set of modules. Each module provides distinct capabilities that support application development, maintenance, modernization and compliance initiatives:

Analyst Client provides:

- Application and program-level understanding using extensive metrics, reports, diagrams and querying tools to support multiple business initiatives including M&A, business/ IT alignment, application modernization, development and maintenance
- Portability Assessment assess portfolio inventory, key metrics and risk areas for application platform rehosting projects
- Quality Assessment using standard code quality queries to serve as guidance in both development and maintenance phases
- In-depth analysis tools to promote task efficiency such as field changes, understanding of data propagation through a program, and dead code removal. Analysis can be exported so application developers can understand changes needed, reducing ambiguity between the analysis and change processes

Developer Client provides:

- **SearchAssistant:** a powerful 'Google' style search facility provides simplified access to the Enterprise Analyzer repository via a web interface
- **Eclipse plugins:** the Developer Client ensures that the analysis results can be translated directly into sharable tasks, marking all code highlighted for change directly in the source code editor

Enterprise View presents metrics and survey results in a graphical dashboard to guide portfolio management decisions

Business Rule Manager speeds the discovery and control of an applications' business behavior.

Business Benefits

For business users and executives:

- **Improved governance:** Managers use dashboards to regain control of the business applications that track key performance indicators
- **Better visibility:** Analysts, architects and executives share business perspectives of applications
- **Faster analysis:** Users can discover, organize, and document the business logic buried within their applications 50% faster

For architects, analysts, and development professionals:

- **Rich documentation:** Boost productivity by 20% or more using centralized and detailed insight into the structure of even the most complex applications
- **Improved team effectiveness:** Intuitive user interface enables broad team use, increasing effectiveness by 40% or more
- **Ensure quality:** Build or reuse queries to locate issues without disrupting stability
- **Accelerate modernization:** Isolates business logic into reusable components to ensure quality when re-architecting systems
- **Enterprise-level scalability:** Manage hundreds of millions of lines of code with almost unlimited scalability
- **Business rule management:** Protect business rule logic while adapting to new requirements

Feature Overview

Overcome complexity through technical insight into diverse application portfolios:

- Powerful query engine locates artefacts of interest within code, ensuring fast, complete analysis
- Pre-built query library offers a head-start when investigating development tasks or quality issues
- Synchronized, always-current, and interactive visualizations get users up to speed on even the most complex applications
- Avoid unintended repercussions from code changes with sophisticated impact analysis
- Discover how applications are architected and view in context such as geography, process, or security to improve planning and management
- Identify, prioritize and monitor high-impact modernization and development activities using business and technical dashboards
- Enterprise-class repository establishes one 'source of truth' about the application portfolio
- Easily share views, queries, reports, and best practices

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