

IBM i Analysis and Productivity Tools



Key Features



Automated Documentation

IT and business analysts can easily visualize and understand application design and flow through interactive charts and graphs.



Powerful Impact Analysis

Track “where used” information starting from a single field or variable through numerous iterations and associated variables and fields.



Access to Your Data Model

Extract relational data models from RPG, COBOL & SYNON application environments to facilitate database modernization efforts & re-engineer projects.



Key Design & Quality Metrics

Track design, quality, and complexity metrics to measure program complexities against benchmarks such as Cyclomatic, Halstead, and Maintainability Index.



Document Business Rules

Extract business rules from RPG/COBOL applications to cross-reference, view, and understand the critical logic that forms the nucleus of your business.



Code Conversion

RPG/COBOL/SYNON and database conversion allows you to transform legacy assets into modern languages and databases quickly, without exposing the business to risk.

For over 25 years, X-Analysis has empowered thousands of IBM i developers to comprehend, enhance, and evolve their RPG, COBOL, and CA 2E (Synon) code. The X-Analysis suite provides everything you need to manage your IBM i lifecycle, understand your data model, and modernize your code and databases.

While modernization efforts aligning IT with business needs can get expensive and risky, X-Analysis preserves detailed IBM i data, assesses risk, and enhances development quality, enabling you to achieve business goals.



We chose X-Analysis for its functionality and ease of use, which greatly increased our maintenance efficiency. The solution saved us time and reduced risk while helping us comply with SOX's strict audit requirements. X-Analysis also allowed new developers to discover and document the existing application with greater autonomy.

IT Director

X-Analysis Suite

✕ X-Analysis View[®]

✕ X-Analysis Advisor[®]

✕ -Datatest

✕ -Replay

✕ X-Resize[®]

✕ -2E Analysis

✕ -Elevate

✕ -Modernize

✕ -DB Transform

Why X-Analysis Suite?

X-Analysis for effortless application documentation and analysis

For more than 25 years, thousands of IBM i developers have turned to Fresche Solutions' X-Analysis suite of tools to better understand, maintain, enhance and evolve billions of lines of IBM i code. The suite provides analysts, developers, architects and operations teams with detailed analysis and interactive diagrams that enable an in-depth understanding of RPG, COBOL and CA 2E (Synon) applications and data. This suite of tools is used to document, analyze and describe systems in a simple manner that can then be shared throughout the organization, even with members who are not technical. IT professionals use the suite to extract business rules, audit code quality, perform impact analysis, modernize applications and databases, resize fields, and so much more.

Benefits

A full suite of tools for analysis, development and modernization

The world's leading solution for documentation and analysis of IBM i, X-Analysis helps organizations modernize their IT operations by quickly allowing developers to gain a full understanding of their RPG, CA 2E (Synon) or COBOL application functions and business rules. The suite includes the following key features:

Automated application documentation

data model extraction and impact analysis for RPG and COBOL.

Application Process Mapping

Business rule extraction and documentation of application processes and flows.

Audit, Quality and Change Management

Auditing of core application functionality including design, quality and complexity to identify and change problematic areas in the application.

Data and Test Management

Analysis of data quality; data archiving, data subsetting and data masking. Test data automation and management.

CA 2E (Synon) Analysis

Everything required to analyze and document CA 2E applications, extract business rules and audit code quality.

Open Systems Analysis

Cross-referencing and documentation of languages such as Java, C#, PHP.

Database Modernization

Automated conversion of DDS to DDL, SQL Server, MySQL, Oracle or UDB including creation of constraints, long field names and views.

Application Modernization

RPG automatically converted to RPG Free and Java; COBOL automatically converted to Java.

CA 2E (Synon) Modernization

Automated conversion solution that converts CA 2E (Synon) applications to Java by uniquely extracting critical information locked away in the Synon model.

Field Resizing

Complete automated function for resizing fields in IBM i applications; includes detailed impact analysis to ensure that resizing efforts do not cause unintended problems.



About Fresche

Pioneers in IT modernization, Fresche manages, modernizes, and maximizes the value of IBM i business-critical systems. Our winning IP and proven solutions in Modernization, Cloud, Software and Application Services, and Strategy have earned the trust of global leaders from 2500+ companies.

Transform your IT challenges into future growth and innovation with Fresche Solutions.

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