USE CASE

NO LONGER 'AT SEA' WITH MODERNIZATION

CM evolveIT can scale up to enterprise environments,
so you can trust it to handle your most complex challenges.

A major project like migrating off the mainframe has to be done right. But for a leading ocean transportation company and an expert in maritime logistics and planning, IT was not its core competency. This CM First customer wanted to replace their mainframe with a package application for controlling worldwide shipments, and the most critical requirement was to make the transition without business disruption. The project, therefore, had to be done in phases, which meant critical connections, like CICS/MQ messaging, had to be maintained while the applications were migrated one by one.

Like many companies, they didn't have updated diagrams of which applications connected with others, which messaged between applications and how all the I/O worked. They also didn't have clean documentation of business rules. Even though they weren't worried about porting all functionality—the package applications would take care of that—the possibility of missing critical interface elements or rules made the project very risky. As the migration progressed, they needed to be sure that triggers and interactions between migrated components and the mainframe were maintained.

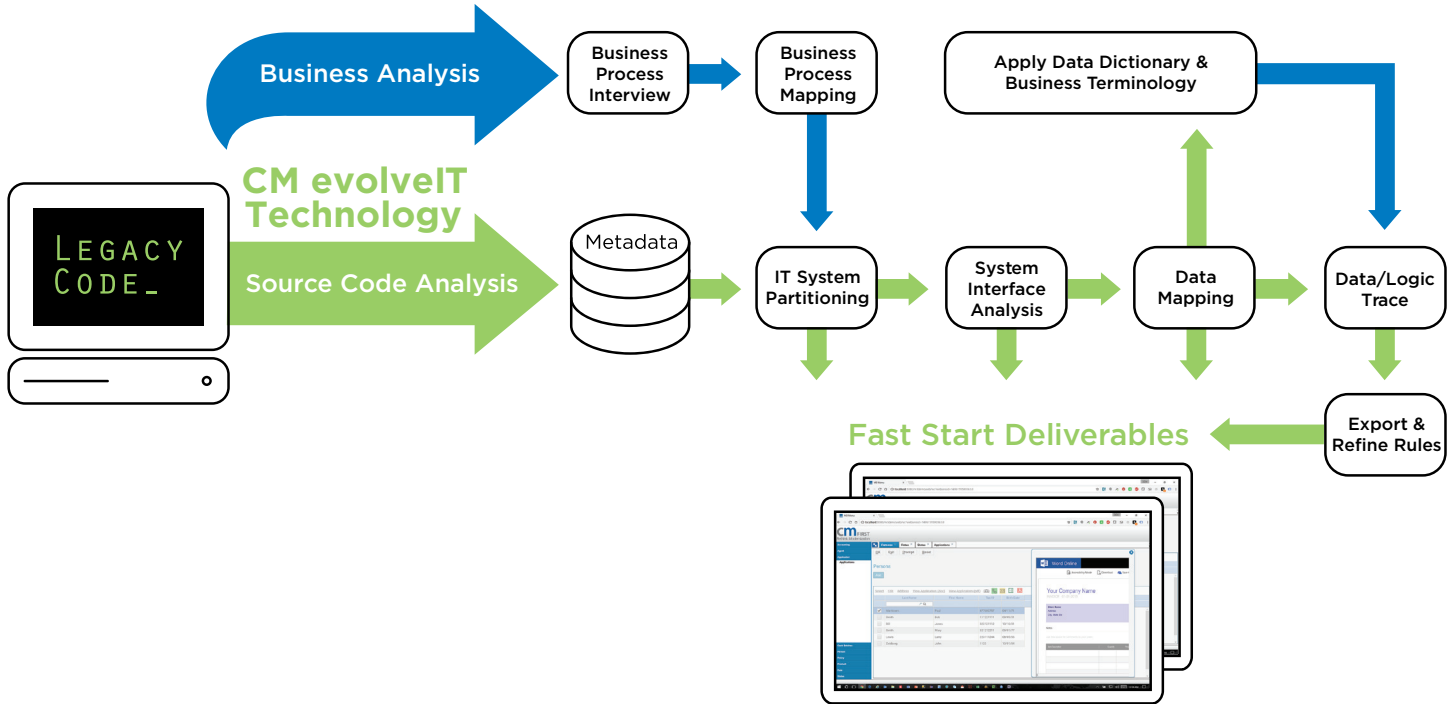The company chose CM evolveIT to document business rules and the complex interactions between programs. Using the product's sophisticated static analysis capabilities, they were able to understand which mainframe components could be decommissioned and in which order. They also were able to use the business rules mining feature to validate the package solutions they were considering.

Rather than embarking on the painstaking effort of reading every mainframe program and hand-documenting every aspect of the shipment system—a costly and risky exercise—automation delivered quick results, enabling them to plan a multi-step process with confidence. Using CM evolveIT ultimately helped them migrate the mainframe modules at a comfortable pace, and ensure they understood and could maintain communications and connections until the mainframe components were fully decommissioned.

What can automation do for you? When you plan out a project, look for ways you can exploit IT power instead of manpower to make large projects less costly, less risky and much faster. The economics can be very compelling too.

Our Approach

Rules harvesting projects can be made practical with the use of the CM evolveIT automation and a proven methodology. Our proprietary methodology on slicing a system is unique in the industry. We have learned how to work with customers to understand how to extract rules in a variety of contexts and situations.

ADDING MEANING TO CODE

To complete a business rule extraction project one needs strong support for the business analyst. The analyst can then see the programmed influences on the result, and decide which ones are fundamental to the business and which are simply supporting technology coding. The key notion is to trace system output data backwards through the control and data flow paths that produce or affect it, using automation to handle scale and complexity. This lets the analyst focus on the essence of the computation and its conditions, while the tool handles the problem of navigating through complex mountains of code.

CM evolveIT Benefits:

+ Enables building a business vocabulary.

+ Finds unknown rules implemented within the application code.

+ Reduces risk with phased approach.

+ Filters out non-relevant processing through the rules extraction process.

+ Improves communications between IT and Business Analysts for as is process.

+ Enhances new system object oriented design by isolating data objects and potential methods for new design.

About CM First Products

CM First Group's powerful automation tools, augmented by services partners and professional services staff with many decades of software engineering and DevOps experience, ensure successful outcomes for even the most demanding modernization projects. Our products and expertise have helped over 400 customers in the public and private sectors reach their desired future state faster and more cost effectively than by using conventional approaches.

CM First software quickly analyzes, documents and re-platforms legacy code bases with minimal errors and rework, including those that are too large and complex for humans to tackle in any reasonable timeframe. The output is immediately usable by all team members, regardless of experience and knowledge of legacy software languages, accelerating application maintenance and modernization projects.

For more information, visit **cmfirstgroup.com/products/CMevolveIT**

Request a Demo Today

Contact us for more information or to schedule a demo. Call 888-866-6179 or email us:
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Rethink Modernization

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