

Application Analysis and Intelligence Solution – Reform 2.0

Corporate Tools Group

A legacy application is not only difficult to manage in terms of its size but also inherent complexity of the functionality supported. Unavailability of adequate documentation or obsolete documentation adds to this complexity and hence a tool-based approach is inevitable in understanding and documenting the processes involved. Reverse engineering of large applications, be it for maintenance or be it re-engineering the application to newer technologies / platforms, poses significant challenges. . To ease these challenges Tata Consultancy Services (TCS) brings you the Application Analysis and Intelligence Solution – Reform 2.0. This automated tool reduces the effort involved in reverse engineering, helps accurate documentation and provides the right cross-references to support maintenance.

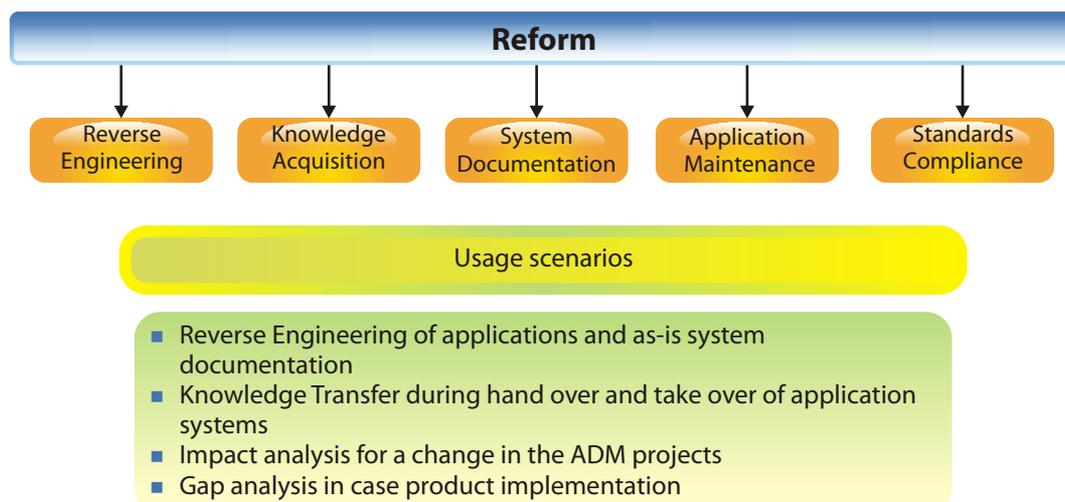
Overview

Experts and enterprises involved in re-engineering and maintaining legacy systems need a thorough understanding of a legacy application's components to guide their efforts. Often, the legacy languages and technologies are difficult to interpret. These challenges, coupled with inadequate documentation, makes maintenance or reverse engineering process extremely complex.

Our offering fills this gap, to make your reverse engineering, knowledge acquisition or maintenance processes simple and efficient.

While automating processes, and reducing TCO our tool:

- Provides a bird's eye view of your application with all the internal interface details
- Extracts about 80 per cent of the technical information from the program and 20% of fine grain information to aid better analysis and understanding of your legacy application;
- Has powerful code analysis features (such as identifying data slicing or tracking, unused variables, condition extraction, dead code) to gain control of your legacy application;
- Provides cross-reference reports to identify dependencies between various application components, databases, columns, files, and metrics reports, and maintainability index to understand the application complexity. The reports come in PDF, Excel, and HTML formats;
- Supports application grouping.



Benefits

Reform 2.0 reflects our decades of experience in reverse engineering. It is enriched by the lessons learnt from many engagements across domains. This feature-rich solution comes with dedicated support and brings you the advantages of:

- Complete Portfolio analysis in case of Reverse engineering;
- Reduced cost and effort in maintenance;
- Greater knowledge about existing systems;
- Through and clear documentation of legacy mainframe applications, and therefore, better control over them;
- Improved accessibility to system information and enhancement in its quality of functioning.

Why TCS

Standard methodologies, templates, and a clearly-formulated approach define all our engagements in the reverse engineering space. These, along with futuristic tools, built on a language-independent framework, enable us to bring you powerful tools such as Reform2.0. We bring value to your IT requirements also through our:

- **R&D credentials.** The TCS Innovation Labs has been spearheading software innovation for over two decades. Our Corporate Tools Group is dedicated to the support of our tools with clear strategies and helpdesks and maintains tool chains for the entire software lifecycle, and for various application maintenance, upgradation, and consolidation scenarios.
- **Implementation experience.** Hands-on experience on various migration and reverse engineering programs help us understand the specific needs of diverse scenarios. Standard checklists, templates, and guidelines, and a proven, calibrated, and flexible process, help us add value to reverse engineering, by reducing the migration risks.

About Tata Consultancy Services (TCS)

Tata Consultancy Services is an IT services, business solutions and outsourcing organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development.

A part of the Tata Group, India's largest industrial conglomerate, TCS has over 143,000 of the world's best trained IT consultants in 42 countries. The company generated consolidated revenues of US \$6 billion for fiscal year ended 31 March 2009 and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at www.tcs.com.

To know more about TCS Application Analysis and Intelligence Solution, contact Global.Toolscare@tcs.com

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