

Tangram-Soft End-to-End Integrated Solution

Based on IBM Rational Technologies.

The Tangram-Soft THINK Solution include IBM Rational CLM, TanGram-Soft Integration Solution for 3rd party environments, Database acceleration and optimization solution as well as a wrapping Implementation methodology.

IBM® Rational® solution for Collaborative Lifecycle Management (CLM) brings together requirements management, quality management, change and configuration management, project planning and tracking on a common unified platform. Productivity is enhanced with CLM by avoiding the pitfalls of working in silos which can often cause project delays, lower quality results and budget overruns.

This integrated solution coupled with Tangram-Soft 3rd party integrations and DB management delivers more than the sum of its parts by offering in-context team collaboration, lifecycle traceability across disciplines, real-time planning and development intelligence for fact-based decision making across tools, departments and technologies.

This solution is based on the latest web technologies when installing it, the customer may activate 3 modules:

RRC for Requirements Management

RTC for Work-Items management and release planning.

RTC for Version and Configuration Control.

RQM for Test Management (Similar to HP Quality-Center)

All modules have the same look and feel, and the data such as Requirements, Work-Items, Tests, and Defect Reports resides in the same Data Model.

For example:

Product-Requirements linked to Work-Items linked to Code Files changes linked to Defect Reports linked to the Test Case in which they were found.

Tangram-Soft specializes in implementing these tools, customizing them and integrating them into the organization existing environments such as SVN, GIT, Jenkins, QC, ClearCase, MS-Office, so customers can get the most value, process-wise, in the shortest time.

THINK Structured Implementation, roll-out and adoption.

We compiled our implementation knowledge and experience into a systematic, repeatable Implementation Framework we call THINK. It is based on dozens of successful projects Tangram-Soft conducted and on industry best practices.

We examine every activity, decision, solution design on these 5 dimensions:

- BizValue
- Trade-Offs
- Principles
- Activities&Roles
- Technology

Application development, testing, deployments and monitoring are complex processes involving different approaches, roles and organizational units.

Implementing a solution in this complex environment requires deep understanding of both the technology and the organizational culture. It required a holistic, end-to-end view of the entire process and the ability to map pain-points, interfaces and the interactions into a process based on tools automation.

THINK – The 5 dimensions to consider for successful implementations.

- **Biz Value:** Professional decisions are primarily based on business value. It is important to identify and articulate it, preferably in dollar amounts. Business value can be explicit and visible to the organization through a measured budget line, or implicit like reduction of rework which is not usually measured in money terms.
- **Trade-Offs:** It is important to identify and understand the trade-offs for every decision and action taken throughout the implementation. Risk is a form of trade-off, enforcement vs. team education, face-to-face communication vs. written records for an audit trail. Experience contributes significantly to the ability to understand the trade-offs and identify future challenges as part of the trade-off assessment.
- **Operational Principles:** Organizational culture, customer audits and past experience induce operational principles which are key to the success of any change and improvement. Customize and maintain or Use vanilla systems and deal with objections, get outside experts or learn internally and keep the knowledge.
- **Activities, Roles and Information:** Analyzing the value, trade-offs and implementation requires an understanding of the activities, their purpose, the roles that participate in them and the information consumes and produced by the activity. For example a DR meeting might include 4 people who represent 6 Roles and produce a verbal or written decisions on.
- **Technology** is key to support and maintain processes, activities and continues improvement. Once there is a good understanding of the above 4 dimensions, it is simpler and faster to select the best technology to support the activities, have a good usage model for the different roles and emphasize the features most important based on the trade-offs understanding. The purpose of the technology is to provide business value which can justify its direct and indirect costs.