

BUSINESS CHALLENGE

One of the greatest challenges facing software engineering teams today is that of pure complexity. Requirements management is the collaborative process of collecting, documenting, and validating a set of requirements which constitutes an agreement amongst key project stakeholders. These practices are meant to provide some measure of control over the associated complexity, however it is a fact that organizations still face tremendous difficulty in effectively capturing, communicating and managing change to software project requirements – especially so when deadlines looms overhead. Without good requirements practices in place, software quality initiatives quickly turns into a wasteful exercise with little tangible reward. CaliberRM sets out to address these challenges.

PRODUCT OVERVIEW

Designed to ensure complete and accurate requirements, CaliberRM™ is the proven requirements management tool of choice for customers worldwide who have to deal with the ever increasing amount of requirements complexity associated with modern software development. CaliberRM enables distributed stakeholders to collaborate effectively so that projects can be delivered on time, within budget, and with greater customer satisfaction. CaliberRM provides a single system of record for requirements throughout their lifecycle with the ability to connect and sync those requirements to key stakeholders, such as quality teams for example. The solution effectively builds a bridge between the line of business and IT, making requirements clear and accessible, in order for teams to manage projects successfully and with clear traceability to the current needs. With built in version control support, and the ability to generate template based requirements specification documents, it has never been easier to keep on top of ever changing requirements.

KEY BENEFITS

CaliberRM™ offers the following benefits:

- Event notification ensures awareness to requirement changes are instantaneously propagated to the relevant stakeholders
- A centralized and secure repository for all project requirements, easily configurable to your project's individual requirement needs
- Requirements traceability across the application lifecycle through an open architecture.
- Traceability of dependent requirements provides the ability to scope the impact of change and audit progress
- Comparison between versions of baselines provides clear metrics on scope creep and evolution of progress
- Data analysis features (Datamart) provides sophisticated analytics and reporting for evaluation of current projects
- A rich editing environment allows for creative ways to express requirements

DETAILED FEATURE OVERVIEW

REQUIREMENTS MANAGEMENT

CaliberRM facilitates the capture and subsequent management of accurate and complete requirements for multiple software development projects, while making requirements available to all appropriate members of the software development organization.

CaliberRM caters to four process areas of requirements management:

Elicitation – Business users and analysts are provided with a means to edit and store ever changing requirements in a central repository. A rich editing environment allows for creative ways to express requirements in both a textual and graphical way. Changes are tracked as they happen, thus allowing all users to benefit from evolving understanding and further contribute to the elicitation process.

Analysis – CaliberRM is renowned for its ease of use. This fact, combined with powerful linking and tracing capabilities across the lifecycle and between different configurable requirement types, makes for a powerful traceability capability. The task of impact analysis is simplified greatly by easy connectivity to related artefacts and visual representation of the relationships between these and requirements.

Specification – Defined requirement types ensure that projects are organised in a logical and meaningful way, by means of a hierarchical requirements “tree”. By adopting a requirements granularity level that meets the purpose, downstream activities such as design, development and testing are easier to manage. The ability to generate template based output from the requirements repository turns the creation of formal specifications from a chore into an automated and effortless task.

Validation – By means of a combination of topical discussions, baselining and electronic signatures, the quality of requirements themselves can be validated and managed as changes are required. In addition, notification of changes can be automated, thus ensuring that key stakeholders are kept informed as change occurs. This serves to create more accurate and complete requirements that truly meet the business needs.

PRODUCT SPECIFICATIONS AND SYSTEM REQUIREMENTS

CaliberRM Windows® Client and Web Client

Operating System

- Windows 2003 (SP2, 32-bit version only), Windows 2000 Professional (SP4), Windows XP Professional (SP2) workstation Windows Vista®

Browsers

- Microsoft Internet Explorer 6.0 or higher

Memory

- 128 MB RAM (256 MB recommended)

CaliberRM Server

Operating System

- Microsoft Windows 2003 Server (SP2)

Memory

- 256 MB RAM (1GB recommended)

Note: CaliberRM Web Server only needs to meet the recommended system requirements that Apache or IIS requires.

CaliberRM Components for Microsoft Visual Studio Team System

Please refer to the Readme file in the Documentation folder on the CaliberRM for Microsoft Visual Team System disk for both client and server system requirements

Borland is the leading vendor of Open Application Lifecycle Management (ALM) solutions - open to customers' processes, tools and platforms - providing the flexibility to manage, measure and improve the software delivery process.