



codeBeamer

Collaborative Software Development Solution

CodeBeamer is a highly scalable collaborative software development platform that provides complete application lifecycle management. It integrates individuals into teams and teams into enterprises for the purpose of collaborating, knowledge sharing and working effectively from diverse locations.

“We purposely did not spec our RFQ for just a software development collaborative solution. We evaluated options including document collaboration and ultimately chose codeBeamer that now hosts 291 projects and supports over 250 software developers across the world”

- Frank Geter, USDA NRCS National Modeling Specialist

Key Benefits

- Improves project management by providing real-time visibility and control across multiple initiatives
- Controls project scope with task and change management, ensures repository commits are associated with an approved change
- Increases team productivity and promotes knowledge sharing and code reuse by providing fast, searchable access to all development and communication assets

Development Productivity and Control require Real-time Visibility and Availability of Assets

Lack of effective collaboration, in the context of the software development process, has extensive ramifications for control and productivity. The increase in complexity, the number of stakeholders, and the escalation of team distribution have stretched the limits of general purpose collaboration tools such as email and instant messaging. Application life-cycle development tools provide some elements of control but do not provide visibility and availability of assets across the entire project domain. Integrating all the critical elements necessary for software development into a cohesive, collaborative platform is the only effective way to improve control, reduce cost, and increase quality.

The codeBeamer Collaborative Software Development Platform

CodeBeamer is a Java-based, collaborative software development platform that provides critical software change management capabilities and captures the invaluable intellectual capital generated and transferred in development related communications. CodeBeamer uniquely solves the escalating problem of software development by enabling team members to easily share technical, managerial and quality information. It is highly configurable to support organizational processes and easily integrated with existing software development tools

Collaborative tools need to be accessible and usable by all interested parties irrespective of their technical expertise. Increasingly, team members and stakeholders come from many areas of an organization in addition to IT and may also include business partners and customers. CodeBeamer can unite these disparate groups into an effective team allowing all constituents to easily participate in a project.

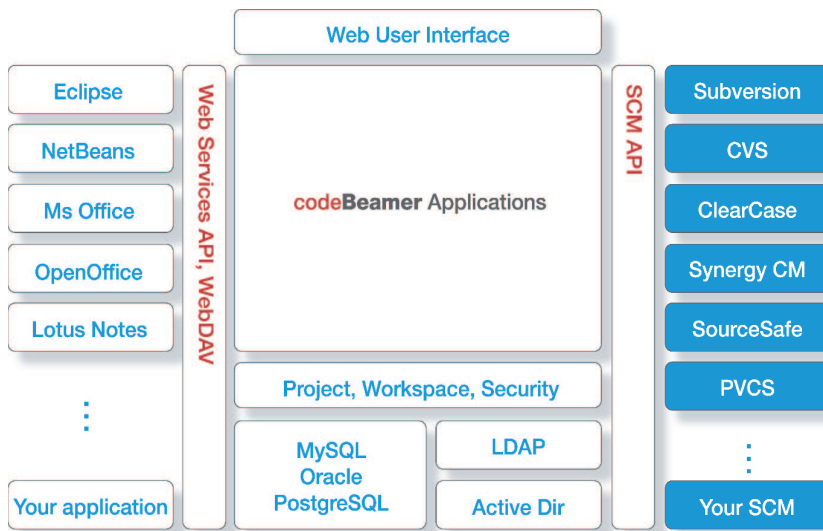
A Visible, Accessible, Controllable Project

CodeBeamer provides powerful task, issue, and project tracking with approval-based workflow and tracker inheritance for optimal reuse. Its knowledge management features include document sharing, discussion forums and messaging, along with comprehensive search facilities. Users can easily link virtually all artifacts, discussions, tasks, etc. using logical associations or embed associations using either Wiki or HTML syntax.

Source code analysis along with integrated build and release facilities provide comprehensive support for developers and managers regardless of location. CodeBeamer is SCM independent enabling organizations to implement a comprehensive collaborative, change management solution while retaining the use of existing version control tools. CodeBeamer's SCMLoop facility for Subversion and CVS allows developers to easily associate tracked items with repository commits. With CodeBeamer's Community support, projects can be easily shared to non-project members across the enterprise. In addition to private projects, administrators can now make their projects public where members can join automatically or with the project administrators approval

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Integrations

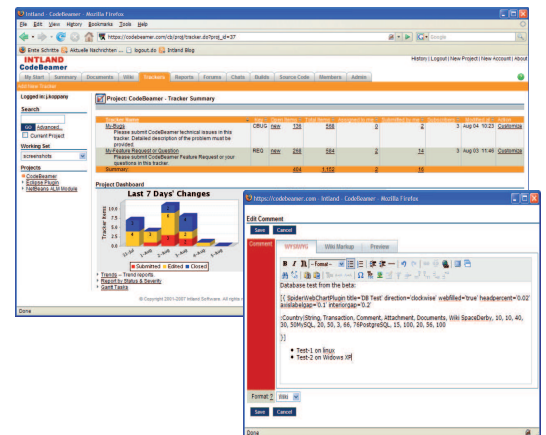
- Eclipse, Mylar, NetBeans,
- Subversion
- CVS
- Telelogic CM Synergy
- Merant PVCs
- Microsoft SourceSafe
- WebDAV, MS Office
- LDAP, Siteminder
- Oracle, MySQL, Postgress

Platforms

- Server: Linux, Windows 2000/NT/XP, Solaris
- Client: Internet Explorer, Firefox, etc

Features

- Project, Task and Change request tracking - changes can be prioritized, tracked and, with workflows, managed timely and efficiently. Assets such as documents and source code files are automatically linked to the change
- Enterprise Wiki system, which integrates all components such as tracker, document manager, SCM system together into a single application, where all artefact can be linked and referenced with Wiki markups
- Customizable approval workflow and change enforcement - enforces the desired movement of assets through the development process and uses email alerts to notify users of request approval and issue status
- SCM independent - solves a key problem for organizations that have many version control and configuration management tools in use, often the result of distributed sites or acquisitions. CodeBeamer enables a collaborative, change management solution to be implemented 'on top' of any version control system
- Build facility with Ant integration allows scheduled builds for continuous engineering
- Role-Group-based visibility and access allows team members to focus on relevant information
- Asset linking - associations, either logical or embedded using Wiki or HTML syntax, provide traceability of changes for impact analysis, defect tracking, root cause analysis as well as an audit trail for project analysis or compliance checking
- Multi-functional dashboard provides immediate visibility into project status allowing real-time access to task status, issue reports, source code quality reports and other key information. Reports can be presented in several different forms including bar, trend, and Gantt charts
- CMMI software process measurement reports
- Intuitive Web-based interface enables access anytime, anywhere



- Source code comprehension provides code trending and critical metrics
- Comprehensive searching- search engine spans all assets including code, documents, issues, change requests, forums, chat sessions, user information, builds and releases

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CodeBeamer won a Jolt Productivity Award in the Change and Configuration Management category.