

CodeCollaborator

Agile Peer Code Review

- Find defects early, improve quality
- Encourage collaboration, build teams
- Save time, improve productivity
- Deliver high quality code faster



Key Features

- Review source code files, PDF, Microsoft Office, schematics and other documents, images, and URLs (HTML, Wiki, etc.)
- Threaded contextual chat links file changes, conversations, and defects together
- Eclipse and Visual Studio integration
- Supports 16 version control and bug-tracking systems including ClearCase Remote Client, Perforce and Git
- Supports multiple clients (web browser, CLI, cross-platform GUI)
- Code review metrics, customizable reports, and full auditability
- Track comments and defects accurately even when code line numbers change
- Integrate code review with other

Does your team balk at doing code reviews? Do developers flee into dark office recesses when you mention them? Recognized as one of the most effective methods for finding bugs while they are the least expensive to fix, code review improves code quality and mentors new hires. Yet it is a frequently maligned quality strategy often rejected by developers, because it involves tedious hours spent in painful meetings and boring busy work collecting materials and metrics. Code review doesn't have to be a burden—there is another way.

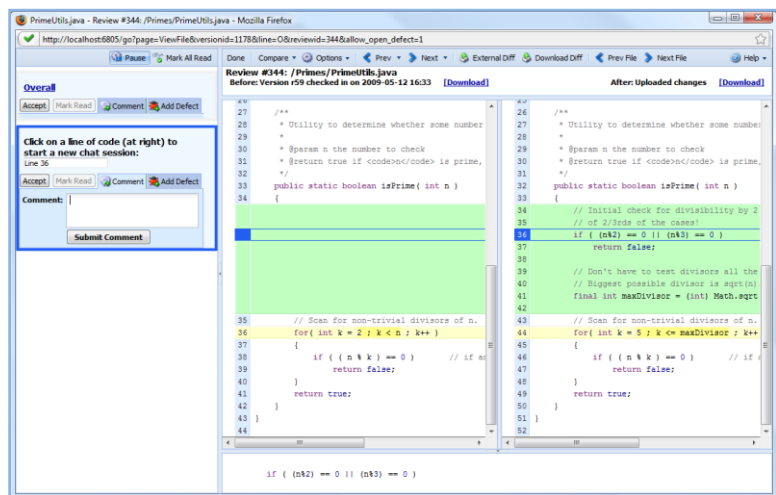
Improve Code Quality at the Source

The industry's first and most agile-friendly commercial peer code review tool, CodeCollaborator, is changing the way developers write code. Using an intuitive user interface and streamlined navigation, developers can easily review code, images, design documents, Microsoft Office documents and schematics in a fifth of the time needed with formal reviews. That's right – no meetings, code print-outs, or manually-generated “diffs,” not to mention the other painful tasks developers hate. CodeCollaborator integrates easily with your existing development environment and processes to simplify and expedite code review for your team. You'll find bugs early in the product lifecycle (before the product reaches customers or even QA), while the bugs are the least expensive to fix.

With CodeCollaborator you collaborate in ways that are comfortable—carry on conversations directly in the code and chat online. Automated audit trails and metrics reports give managers the resources necessary to measure and control the development process. Offshore teams and new team members get up to speed quickly and contribute quality code sooner.

Collaborate & Team-Build

CodeCollaborator's structured “IM-style” framework ties comments directly to the code to help developers communicate in a way that's natural to them. This environment encourages discussions about how to improve the code and ultimately results in more frequent team interaction. CodeCollaborator works equally well whether the participants are separated by an ocean or by just a few offices.



Using a tool that facilitates discussion and learning, your team can work together instead of in isolation, learning from each other, finding bugs, and designing the best possible solutions to challenging issues.

Save Time and Enhance Productivity

For every hour of inspection using CodeCollaborator, development teams can save about 20 hours of testing and QA (Aggregated results from [world's largest code review case study](#)).

CodeCollaborator's click-and-comment, chat-style interface makes code reviews fast, efficient, and even fun! Authors can package code for review, upload files from version control with a single click, and select and notify reviewers easily.

- 🐾 See before and after views of the code, juxtaposed for easy comparison.
- 🐾 View automatic highlights of code differences, keeping conversations matched and correlated – even when line numbers change.
- 🐾 Support all types of development methodologies — waterfall, Agile, whatever you prefer. It works with any coding language and fits into existing software development processes flexibly.
- 🐾 Focus on the code, not the process tedium, as CodeCollaborator automatically captures review metrics.
- 🐾 View full audit trails of all conversations and metrics.
- 🐾 Bring task-focused interface technology to code reviews with the Tasktop-certified Eclipse Mylyn Connector.
- 🐾 Align code reviews with products/versions and specific sprints/releases to track defects and quality improvements with ease
- 🐾 Work the way you want using Perforce shelvesets

Vibrant User Community

The SmartBear user community has tens of thousands of dedicated users. Our Community offers a wealth of information and networking opportunities that help new users get up to speed quickly and connect seasoned users who tackle specific testing challenges. An extensive library of documentation, application notes and How-Tos, technical articles, and on-demand Webcasts is complemented by our friendly and knowledgeable CodeCollaborator support staff to keep you, and your websites, up and running. Join in at www.smartbear.com/community/.

Support Best Practices and Compliance

Built-in structure and workflow automatically direct your team toward code review best practices. System administrators can customize workflow, rules, and fields. Audit trail and reporting features help development groups meet regulations and compliance mandates, such as Sarbanes-Oxley, security audits, the FDA's General Principles of Software Validation, and corporate initiatives that require code review (i.e., CMMI). Teams can also use CodeCollaborator meet more specialized standards (i.e., Title 21 CFR, DO-178C and DO-254, and ISO 26262.)

Supported Environments

Platform

Windows, Mac OS X, Linux, Solaris, BSD

Version Control Integration

AccuRev, CMVC, CVS, Git, Mercurial, MKS Integrity, Perforce, Rational ClearCase (including **ClearCase Remote Client**, Rational Synergy, Rational Team Concert), Subversion 1.7, Vault, StarTeam, Surround SCM, Team Foundation Server, and Visual Source Safe

Eclipse Plug-In

Eclipse v3.4 and higher

Visual Studio Add-In

Visual Studio 2005 and higher

For additional details, visit:

www.smartbear.com

About SmartBear Software

SmartBear Software provides enterprise-class yet affordable tools for development teams that care about software quality and performance. Our collaboration, performance profiling, and testing tools help more than 100,000 developers and testers build some of the best software applications and websites in the world. Our users can be found in small businesses, Fortune 100 companies, and government agencies. For more information about SmartBear Software, our award-winning tools, or to join our user community, visit www.smartbear.com.

