



Key Facts

Upsource is an on-premises repository browser and code review tool that supports Git, Mercurial, Subversion, and Perforce. It helps development teams improve their code quality, learn from each other, and build up collective code ownership through effective asynchronous code reviews and transparent collaboration. It is the only code review tool that provides Java and JavaScript code insight to drastically simplify the code review process.

Key Benefits

Upsource can be used with projects written in **any programming language**. Teams that use Java receive an additional advantage: **IDE-level code insight** including static code analysis and navigation. Performing a code review becomes significantly faster and easier, as standard problems are detected automatically, while contextual navigation based on code structure helps the reviewer to identify complex problems.

Upsource provides instant access to all configured projects through a user-friendly UI, whether they are kept in **Git, Mercurial, Perforce, or Subversion**. Not only does it offer a bird eye's view of the projects and any activity in them, it allows you to browse any section of the project without the hassle of checking out source code locally.

Upsource provides your team with the means for transparent real-time collaboration over the code base, keeping a history of discussions for future use.

Upsource installs on your servers, behind your firewall, so that only you have access and full control over your project information. It comes with flexible user management options, granular permissions, and per-project permissions, and integrates with multiple authentication modules.

Key Features

- **Support for Git, Mercurial, Subversion, Perforce.** Upsource provides a unified friendly UI for exploring and monitoring all your VCS repositories from a central location.
- **Comprehensive VCS exploring.** Upsource retains the history of all files and discussions, effectively serving as a knowledge base for your projects. It provides instant access to any section of repository. To help you grasp the changes, it visualizes the history of commits, branches and merges.



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- **Java code insight.** For Java projects, Upsource offers IDE-level code analysis, navigation, symbol usage search and comparison, inherited from JetBrains' flagship Java IDE, IntelliJ IDEA.
- **Powerful search engine.** Upsource helps developers stay in context of the changes relevant to them, and filter repository activity by branch, author, commit message, commit ID, Git tag, path, time range, etc. It is also possible to find particular methods or classes, and take advantage of CamelHumps while searching.
- **Transparent post-commit and branch code review.** Upsource features ad-hoc code reviews with simple workflow that can be created for a commit or a whole branch. It is also possible to start discussions, comment code and share it without creating a formal code review.
- **Real-time updates.** Upsource users are notified in real time of any activities requiring their attention, from code review status changes to simple @mention in a comment.
- **IDE plugin.** Upsource provides integration with JetBrains IDEs, allowing developers to participate in discussions, code reviews, and get notifications in real time without leaving the comfort of their IDE.
- **Useful analytics.** Upsource gathers VCS usage and code review statistics, and displays repository activity and code review coverage. For Java projects, it also shows who is contributing to each module.
- **Flexible user management.** Upsource gives you complete control over project access: divide users into groups, customize roles and permissions, and set per-project permissions.
- **Multiple authentication modules.** To avoid introducing yet another authentication scheme, Upsource integrates with LDAP and many other authentication modules.

System requirements

- Minimum 8 GB of RAM
- One of the following 64-bit systems:
 - Windows Vista or later
 - OS X 10.7 or later
 - Linux (any 64-bit distribution)
- JRE 1.8 or JDK 1.8 for Linux installations
- Git, Mercurial, Subversion, or Perforce as version control system.