



# Black Duck™ Code Sight

## Enterprise source code search for software developers

Black Duck™ Code Sight is a source code search engine that brings transparency and easy access to an enterprise's vast and often distributed source code resources. Code Sight indexes code across an organization's source code repositories to enable fast search and navigation at enterprise scale. It improves developer productivity and software quality, supports standardization, and enhances compliance. Developers can find code quickly and leverage existing and approved components whether they are internally written, open source, or come from other external sources.

### Highlights

Code Sight delivers significant productivity gains and accelerates application development for software developers working either in small groups or large, distributed organizations. Development organizations can more easily standardize and promote the use of approved and tested code to reduce or eliminate development effort on new projects and decrease the code an organization needs to maintain.

Code Sight enables unified enterprise-wide access to code and cross-team collaboration that is difficult to achieve with alternative approaches. Proven in demanding environments, the product integrates seamlessly with existing software tools. It also comes with reporting modules that offer visibility into the enterprise code base and provides metrics and analysis of searches, downloads, re-use, and more.

Code Sight connects to version control systems and indexes the code base so it can be rapidly searched from within popular web browsers and IDEs. Search results are structured for maximum ease-of-use when navigating through source code and projects. It provides views into code at the project and file level, with language-aware features that improve code readability and ease navigation.

Code Sight can improve software quality and speed defect resolution. Bugs can be more easily tracked down; fix a defect, then find and fix all the other places where that same defect exists regardless of version, branch or repository. If an API or other change is made, easily find the impacted code even if it is in a different project or repository.

Features	Benefits
Fast Source Code Search	<ul style="list-style-type: none"><li>• Boosts productivity by raising cross-project and cross-repository visibility and access to code.</li><li>• Improve quality by more easily tracking down bugs/defects across the enterprise</li></ul>
Advanced Structured Search Results	<ul style="list-style-type: none"><li>• Improves navigation and productivity of search efforts</li><li>• Provides project metrics for analysis</li></ul>
Integration with Development Tools	<ul style="list-style-type: none"><li>• IDE integration enhances productivity by allowing developers to search without leaving their environment</li><li>• Off-the-shelf integration with popular version control systems speeds deployment and improves efficiency</li></ul>
Reporting	<ul style="list-style-type: none"><li>• Measure and monitor key software development and project metrics</li><li>• Fourteen pre-configured reports provide ready analytics</li></ul>
Scalability	<ul style="list-style-type: none"><li>• Proven scalability to billions of lines of code</li><li>• High-performance indexing and searching of large enterprise code bases with rapid query response time</li></ul>

### Key Features

#### Flexible search

- Browser or IDE-based search of source code and project descriptions using straightforward syntax
- Advanced filtering using operators to modify search terms
- Searching can be filtered by language, license and/or project

#### Advanced structured results navigation

- Source code file view with syntax-aware highlighting supporting 30+ languages
- Project view showing native file tree structure

- Hyperlinked tokens in source files ease navigation through references or to related items (variables, function names, etc.)
- Summary of methods and fields contained in a file
- Direct file download from results page
- Project metrics (size, language breakdown, lines of code, lines of comments)
- Project development cost calculator

#### Off-the-shelf integration with existing version control systems

- Open source: Subversion, CVS, Git
- Commercial: IBM Rational ClearCase, Perforce, Serena Dimensions, Borland StarTeam, Microsoft Team Foundation Server, Microsoft Visual SourceSafe
- Other: file system, Zip archive

#### IDE

- Search from within your IDE with plug-ins for Eclipse and Microsoft Visual Studio
- Smartsearch™ actively suggests opportunities to leverage existing code
- IDE language localizations for Chinese, French, German, Hindi, Japanese, Russian
- Search internal code repositories and/or Koders.com, a free public repository of open source code.

#### Reporting and metrics

- Measure and monitor key software development metrics
- Fourteen preconfigured real-time reports (statistics on searches, downloads, licenses, languages, repositories, re-use, top searches)
- Custom reporting

#### Integration

- Line numbers can be hyperlinked to allow external, persistent links to specific file locations allowing developers to link bug reports directly to a code reference.
- Application integration using widgets, URL's, OpenSearch 1.1 XML/RSS format

#### Administration

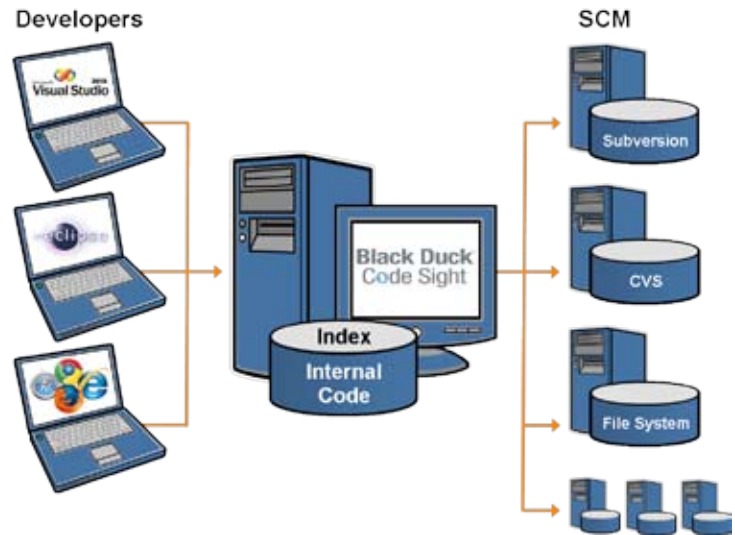
- Easily manage indexing of all project source code and comments
- Includes access control list (ACL) based restrictions to enforce access policies
- Customizable interface using style sheet and associated image files

#### Supported clients

- Browsers: Firefox 3.x; Microsoft Internet Explorer 6, 7, 8; Safari 4.x; Google Chrome 3.x
- Microsoft Visual Studio 2005, 2008, 2010
- Eclipse 3.2, 3.3, 3.4, 3.5

#### Supported operating systems

- Microsoft Windows Server 2008 R2 with IIS enabled
- Microsoft Windows Server 2003, 2008 with IIS enabled
- Microsoft Windows XP Professional with IIS enabled
- Microsoft Windows 7 with IIS enabled



#### Availability

##### Black Duck Code Sight Enterprise Edition

Black Duck Code Sight Enterprise Edition is available stand-alone or bundled with the Black Duck Suite.

##### Black Duck Code Sight Free Edition

Black Duck Code Sight Free Edition is a free version of the enterprise code search product targeted at teams of developers and community projects. Code Sight Free Edition is fully functional but its index is limited to 5 million lines of code. Code Sight Free Edition can be upgraded to Code Sight Enterprise Edition.

#### Black Duck Suite

The Black Duck Suite is an advanced enterprise-class solution to the unique management, compliance and security challenges associated with open source. It brings together the Black Duck Code Center, Export, and Protex products into a unified platform, and also includes a robust SDK which enables integration with IBM Rational, Microsoft and other build tools and environments. Code Sight adds code search to round out the capabilities of the Black Duck-enabled organization.

#### About Black Duck Software

Black Duck Software is the leading global provider of products and services for accelerating software development through the managed use of open source and third-party code. The company is headquartered near Boston and has offices in San Francisco, Frankfurt, Paris, Tokyo and Hong Kong, as well as distribution partners throughout the world. For more information, visit [www.blackducksoftware.com](http://www.blackducksoftware.com).

#### Contact

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