

# Software Compliance Management Solution

## protexIP/development – an Overview

The protexIP/development software compliance management platform helps companies govern how their software assets are created, managed, and licensed. protexIP/development is a multi-user solution that enables enterprises to manage their software intellectual property throughout the full development lifecycle – in planning projects, reviewing code, seeking component and license approvals, understanding license obligations, and creating reports. By validating software contents, providing a Bill of Materials and finding issues early in the development cycle or well in advance of a due diligence event, the protexIP platform helps companies reduce business risks, complete software projects on time and on budget, and stay on track with their business plans.

## Benefits

### Reduces Business Risks

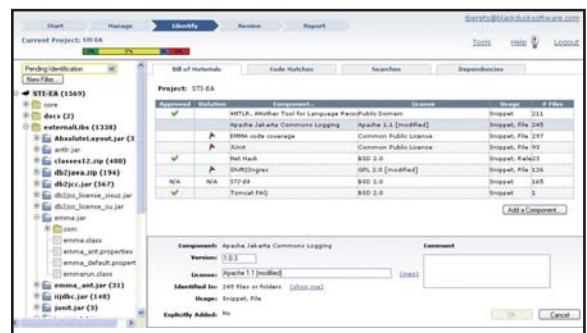
The prevalence of component-based development and the growing use of open source software have made it difficult for developers to attest to the origins of a software project. The protexIP/development system helps companies understand which licenses govern the modification, use, and distribution of the software in their code base. It facilitates the protection of corporate intellectual property, assists with compliance and reporting, and identifies use of licensed software that is in conflict with established licensing terms or corporate policies. protexIP/development guides personnel in their daily use of licensed materials and enables the implementation of a repeatable business process to support corporate compliance policies. In addition, protexIP creates an audit trail that tracks the compliance process from a project's inception through completion.

### Accelerates Software Development

protexIP enables developers to reuse quality, richly-featured open source and commercial software components on a wide scale, and manages the complexity of license obligations by providing accurate, up-to-date component and licensing information to legal counsel and managers. By enabling the proactive management of component software, protexIP reduces personnel and development costs, improves time-to-market, and makes delivery schedules more predictable.

### Efficiently Identifies Software Intellectual Property Issues

The protexIP/development platform alerts developers, legal counsel, and management to intellectual property



Black Duck protexIP shows software Bill of Materials, indicating approved components and other component compliance data at a glance

issues that arise during the software development process. In addition, it provides a way to track the resolution of each issue, giving a clear, documented history to satisfy company compliance requirements. protexIP creates a collaborative environment in which legal counsel and the development team can efficiently access the information they need to make timely business decisions.

### Automates Compliance and Corporate Intellectual Property Policies

Corporations that develop enterprise software as a strategic asset need to actively direct how they create, manage, and license software assets through software compliance management. With open source software, distributed teams, and outsourced development becoming increasingly prevalent, companies risk losing control of their valuable intellectual property. Manual processes are inadequate, so control must be exercised by applying best practices in conjunction with automated means to manage the process.

# Key protexIP/development Enterprise Edition Features

## Fast, thorough identification of open source and proprietary software components

- Reviews source code (any language including Java, C, C#, Visual Basic), binary code, images, fonts, etc.
- File and snippet analysis matches code against a comprehensive KnowledgeBase of open source and proprietary software components from 2,500+ open source sites and 1,000+ vendors
  - Intelligent snippet matching uses Code Prints™ to detect reused code, even when altered
  - Precision™ technology identifies the closest match to reused code, suppressing false positives
- String search analysis detects copyright notices, company names, and other text of interest
- Dependency analysis identifies referenced components by analyzing source (e.g., Java, C, C++) and binary files (e.g., JAR, CLASS, DLL, SO)
- Archive analysis reviews composite files (e.g., ZIP, JAR, TAR) to identify reuse of archive components

## Easy to use

- Browser-based user interface (Firefox, Internet Explorer)
- Streamlined workflow includes Project Management, Code Identification, Component / License Review, Reporting
- Executive dashboard indicates compliance status instantly
- Code navigator provides “review at a glance” of a project’s code base and allows review by project, folder, file
- File comparison shows analyzed code side-by-side with KnowledgeBase match

## License management

- 650+ open source and other licenses (e.g., GPL, LGPL, BSD) are included in the KnowledgeBase and associated with KnowledgeBase components
- Full license text is included for each license
- Each license is encoded into 24 attributes plus an obligation list
- Attributes provide automatic indication of license conflicts
- New licenses, including text, attributes, and obligations may be added

## Project review and approval

- Components and licenses may be approved or disapproved
- Obligation fulfillment checklist details the obligations accumulated from the licenses in effect
- Bill of Materials summarizes included components, licenses, approval status, linking method, license or policy violations
- Report generator creates Bill of Materials and other reports in HTML, Microsoft Excel and Word, OpenOffice

## Enterprise-class

- Client-server architecture centralizes compliance data for shared access and collaboration
- Multi-user system protected with role-based access control
- Configurable policy administration
- Integrates with software development tools (e.g., configuration management, build systems) via command-line or SDK
- Custom Code Prints extend KnowledgeBase to customer or 3rd party code
- Automated web-based updates to KnowledgeBase and protexIP

## System Requirements

### Recommended Server Configuration

- Pentium XEON or AMD Opteron/Athlon 64
- 8 GB of memory
- Two or more high performance hard drives on separate controllers (1 x 50 GB minimum capacity, 1 x 200 GB capacity; 15K RPM with fast seek time).
- DVD drive capable of reading Dual Layer DVD+R disks
- Red Hat Enterprise Linux or SUSE Linux Enterprise Server

## About Black Duck Software

Black Duck Software is the leading provider of software compliance management solutions that help companies govern how software assets are created, managed and licensed. Black Duck’s offerings help business take maximum advantage of open source software while at the same time assure that they satisfy the obligations associated with the code they use. Black Duck’s customer base includes enterprises, product developers, outsourcers, law firms, and other organizations worldwide that are concerned with protection of software intellectual property.



### Contact

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