



# OPEN SOURCE COMPLIANCE MANAGEMENT SOLUTION

**Black Duck® Protex™** is a multi-user software application that enables organizations to have visibility of open source components used within their codebase throughout the development lifecycle whether reviewing code, seeking component and legal approvals, understanding license obligations or creating reports. By scanning and analyzing software contents, providing a bill of materials (BOM) and finding issues early in the development cycle or well in advance of a due diligence event, the Protex solution helps companies reduce business risks, complete software projects on time and on budget and stay on track with their business goals.

## HIGHLIGHTS

### REDUCES BUSINESS RISKS

The Protex solution can automatically discover and identify the origin of your code, essential for enforcing license and other policy compliance. Protex helps organizations 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. Protex enables the implementation of a repeatable business process to support corporate compliance policies.

### IDENTIFIES SOFTWARE INTELLECTUAL PROPERTY (IP) ISSUES

The Protex solution alerts developers, legal counsel and management to IP 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. Protex creates a collaborative environment in which legal counsel and the development teams can efficiently access the information they need to make timely business decisions.

### ACCELERATES SOFTWARE DEVELOPMENT

Protex manages the complexity of license obligations by providing accurate, up-to-date component and licensing information to legal counsel, developers and managers.

By enabling the proactive management of component software, Protex reduces personnel and development costs, improves time-to-solution and makes delivery schedules more predictable.

## KEY FEATURES

### 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 summary includes components, licenses, approval status, linking method and license or policy violations
- Report generator creates BOM and other reports in HTML, Microsoft Excel, Word and Open Office
- Provides a Code Label, which is an easy to read report that summarizes the licensing contents of your code in a way that both technical and non-technical teams can easily understand

### ENTERPRISE-CLASS

- 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 optional SDK
- Custom codeprints extend the **Black Duck® KnowledgeBase™** to enable tracking of any code
- Automated web-based updates to the KnowledgeBase and Protex
- English and Japanese language versions

### EASY TO USE

- Browser-based user interface (Firefox, Chrome, Safari and Internet Explorer)
- Streamlined workflow includes Project Management, Code Identification, Component/License Review and 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 or file
- File comparison shows analyzed code side-by-side with KnowledgeBase match

FEATURES	BENEFITS
<b>IP COMPLIANCE AND RISK MANAGEMENT</b> <ul style="list-style-type: none"> <li>Binary and source code analysis</li> <li>Code fragment reuse/snippet analysis</li> <li>License &amp; copyright discovery/string search analysis</li> <li>Dependency discovery</li> </ul>	<ul style="list-style-type: none"> <li>Discover OSS code and its origin</li> <li>Discover license text fragments, copyright text and company names</li> <li>Automated license conflict analysis</li> <li>Ensure license compliance</li> <li>Confidently manage software license obligations</li> <li>With dependency discovery, discover references to OSS code</li> <li>Validate compliance with approved bill of materials</li> </ul>
<b>RAPID ID™</b> <b>LEARNED IDs</b>	<ul style="list-style-type: none"> <li>An advanced framework to automate the discovery and identification of OSS and other code – Unlike rule-based systems that rely on simple filename matching, Rapid ID is a configurable automation framework which leverages the breadth and depth of the Black Duck KnowledgeBase. Rapid ID includes multiple identification techniques, including “smart results filtering” that reduces the volume of results making the ID process faster, and other built-in methods to help automate the identification process by automatically matching most popular OSS projects. It also includes “learned matching” to capture an organization’s internal expertise</li> <li>Provides quick way to populate catalog supporting standardization and reuse</li> </ul>
<b>EXPRESS SCAN</b>	<ul style="list-style-type: none"> <li>Provides simple UI for occasional user</li> <li>Uses analysis template and Rapid ID to discover and ID OSS without manual effort</li> <li>Results emailed to specified users</li> </ul>
<b>LICENSE AND OBLIGATION MANAGEMENT</b>	<ul style="list-style-type: none"> <li>Custom licenses, including text, attributes and obligations may be added</li> <li>Over 2,200 open source and other licenses (e.g., GPL, LGPL, BSD) are included in the KnowledgeBase and associated with KnowledgeBase components</li> <li>Full license text is included for each license</li> <li>Each license is encoded into 24 attributes for automated license conflict analysis plus an obligation list</li> </ul>
<b>EXTENSIBLE</b> <ul style="list-style-type: none"> <li>SDK</li> <li>Command line tool</li> <li>Ability to create Custom KB</li> </ul>	<ul style="list-style-type: none"> <li>Create custom integrations and other automated solutions or extensions to the core product using the fully featured SDK</li> <li>Command line tool provides easy way to automatically launch scans, for example, as part of your build process</li> <li>Extend the KB with custom data including: <ul style="list-style-type: none"> <li>Custom components</li> <li>Custom licenses</li> <li>Custom code prints</li> <li>Custom obligations</li> </ul> </li> </ul>
<b>INTEGRATIONS</b> <ul style="list-style-type: none"> <li>RTC</li> <li>SCM adapters</li> <li>Maven build</li> <li>ALM tools</li> </ul>	<ul style="list-style-type: none"> <li>Black Duck can become part of your application lifecycle management solution with out-of-the box integrations with RTC, SCM adapters and Maven build and with ALM tools integrations that you can easily build</li> <li>Integrations enable early discovery of license violations and unapproved code when issues are least expensive to fix</li> </ul>
<b>DISTRIBUTED TEAM SUPPORT/MULTI SERVER</b>	<ul style="list-style-type: none"> <li>Proved effective for teams of tens to thousands of developers</li> <li>Provides ability to move and share data between servers enabling easier OSS management in globally-distributed organizations</li> </ul>
<b>SOFTWARE SUPPLY CHAIN CAPABILITIES</b> Integrated Software Package Data Exchange® (SPDX®) – a standard sponsored by the Linux Foundation	<ul style="list-style-type: none"> <li>Integrated SPDX file creation and file level license discovery made easy</li> <li>SPDX provides a uniform approach to documenting and sharing metadata about software packages, making it more efficient for supply chain partners to communicate</li> </ul>
<b>KNOWLEDGEBASE</b>	By leveraging the most comprehensive database of open source project information, Protex is able to provide the most accurate OSS compliance management solution

## INTEGRATION WITH BLACK DUCK CODE CENTER

**Black Duck® Code Center™** is the leading Open Source Management solution that provides a broad set of capabilities including an automated, customizable OSS selection and approval process, vulnerability notifications and a centralized catalog of OSS, third-party and proprietary components. When integrated with Protex, the leading Compliance Management solution, Code Center serves as the central synchronizing agent for projects, components, obligations, and licenses for one to many Protex servers. Together, the **Black Duck® Suite** provides closed loop compliance and management capabilities, validating that your code contains only approved components or discovering previously unknown OSS components for review and approval.

## ABOUT BLACK DUCK SOFTWARE

**Black Duck** provides the world’s only end-to-end **OSS Logistics** solution, enabling enterprises of every size to optimize the opportunities and solve the logistical challenges that come with open source adoption and management. As part of the greater open source community, Black Duck connects developers to comprehensive OSS resources through [The Black Duck Open Hub](#) (formerly Ohloh), and to the latest commentary from industry experts through the [Open Source Delivers](#) blog. Black Duck also hosts the [Open Source Think Tank](#), an international event where thought leaders collaborate on the future of open source. Black Duck is headquartered near Boston and has offices in San Mateo, London, Paris, Frankfurt, Hong Kong, Tokyo, Seoul, and Beijing. For more information about how to leverage open source to deliver faster innovation, greater creativity, and improved efficiency, visit [www.blackducksoftware.com](http://www.blackducksoftware.com) and follow the company at [@black\\_duck\\_sw](https://twitter.com/black_duck_sw).

## CONTACT

To learn more, please contact: [sales@blackducksoftware.com](mailto:sales@blackducksoftware.com) or 1.781.891.5100  
Additional information is available at: [www.blackducksoftware.com](http://www.blackducksoftware.com)

