

# Protecode Enterprise™

**Protecode Enterprise™ is a comprehensive Software Composition Analysis (SCA) solution enabling secure and safe use of third-party code in products. Leverage Protecode Enterprise within development and testing processes or in the legal compliance departments to manage risks arising from the use of third-party code, including open source, internally developed, outsourced, and commercial code.**

## Product Overview

Protecode Enterprise allows organizations to automatically generate and maintain a comprehensive software Bill of Materials (BOM) for their software and systems, track and monitor vulnerabilities affecting third-party components, and manage open source license compliance.

Protecode Enterprise is a flexible solution offering both source code and binary analysis that easily integrates into R&D continuous integration (CI) environments. It fully supports legal and compliance team workflows and enables other stakeholders to minimize risks associated with the use of third-party code.



## Key Features

Protecode Enterprise is a comprehensive SCA solution that ensures software signoff at various phases of the software development life cycle (SDLC), allowing for secure, safe, and risk-free use of third-party code in products.

### Software Bill of Materials (BOM) Generation

Automatically generate and maintain an up-to-date software BOM. Maintaining a software BOM within R&D is the most cost effective way for all stakeholders from R&D, to legal, to maintenance to obtain up-to-date information on the composition of software packages. Alternatively legal and other stakeholders can run their own analyses using their preferred workflows.

## THE KEY BENEFICIARIES OF PROTECODE ENTERPRISE

### Corporate Managers

- **CEOs:** Reduce overall business risk by removing uncertainties around the use of third-party code in your products
- **Legal:** Reduce liability by preventing vulnerable products from shipping and assisting in FOSS license compliance & protection
- **M&A:** Gain visibility into, and reduce the risk of, technology acquisitions and transfers
- **Sales:** Reduce licensing indemnity delays

### Product & Development Managers

- Actionable transparency into third-party code in software project via automated identification of software BOM
- Reduce R&D cost and accelerate time to market by automating tasks often done manually
- Tracking of known vulnerabilities affecting third-party code used in projects
- Assessments and reports on open source software management, license obligations, and license compatibility

- Prevent unapproved copy/paste open source project code from entering your code base

### Investment & Legal Companies

- Reduce software portfolio discovery costs as part of M&A or technology transfer
- Gain transparency into code portfolio

### Software Contractors

- Reduce licensing indemnity costs
- Communicate professional operation
- Enhance competitiveness

### Free Open Source Contributors

- Offer pedigreed content
- Enhance appeal and adoption

## Security Vulnerability Assessment

Identify and flag known vulnerabilities affecting third-party software components used in projects. These come with severity ratings in order to prioritize remediation of detected vulnerabilities. Automated alerts are generated when new known vulnerabilities are detected against already scanned components.

## Comprehensive Open Source License Reporting

Produce an actionable, consolidated list of licenses and legal obligations associated with the software packages or files discovered in a software portfolio.

- **License Obligations Report:** Report on legal obligations that result from inclusion of third-party components with various free and open source software (FOSS) licenses
- **License Compatibility Report:** A list of incompatible licenses and associated packages identified during analysis of a code portfolio
- **Concatenated License and Attribution List:** A consolidated list of all licenses and associated packages identified in the portfolio, a useful ready-to-ship report for fulfilling attribution obligations of the licenses
- **High-level Reports and Detailed Bill of Materials:** Time-stamped, verifiable, high-level executive reports or detailed file-by-file reports on your complete portfolio in HTML or popular documentation formats

## Deep Scanning and Snippet Detection

Detect and report on code snippets or copy/paste code embedded in files that would match public domain open source files, and produce a side-by-side similarity comparison of your code and public domain code.

## Configurable License and Copyright Policies

Define your own Intellectual Property (IP) policy templates and apply them to specific scans. Define black and white lists of known licenses and copyrights, and define behavior for custom licenses and copyrights. Protecode Enterprise automatically flags violations of your policies for further investigation. You can choose to ignore common code patterns, or adjust the sensitivity of analysis.

## Export Control and Encryption Reporting

Report on published Export Control Classification Numbers (ECCNs) and encryption content in your project or code portfolio. Many countries have export controls in place that require disclosure of any encryption algorithm embedded in the product.

## SPDX Support

Supports Software Package Data Exchange (SPDX) standard. Protecode Enterprise can read and generate SPDX files.

## Reporting Options

Create reports in HTML, spreadsheet, or popular documentation formats.

*Software Composition Analysis (SCA) provides a high level impact in security, liability and risk mitigation almost instantly for its adoptees.*

## SUPPORTED LANGUAGES

- C, C++
- C#
- Objective C
- Java
- Java Script
- Pascal
- Perl
- PHP
- Python
- Ruby
- Visual Basic

## SUPPORTED ENVIRONMENTS

- Multi-core processor
- Windows or Linux
- 8GB+ RAM, 2GB minimum disk space recommended

## SUPPORTED FILE TYPES

- Source files
- Binary files
- Archive files