

Core IP Analysis Engine Software Development Kit (SDK)

Protecode Core IP Analysis Engine is a Java application module that detects Intellectual Property licensing and copyright obligations in software, enabling specialized customer applications for software governance and open source adoption.

Protecode Core IP Analysis Engine, offered as a Software Development Kit (SDK) is a Java application module for analyzing software files and detecting their intellectual property (IP) licensing and copyright attributes.

The Core IP Analysis Engine forms the heart of the Protecode Software Lifecycle IP Management™ portfolio which includes the Enterprise IP Analyzer™, the industry-first Developer IP Assistant™, Repository IP Checker™ and the Build IP Analyzer™.

Protecode offers its core engine for integration into client's IP management workflow solutions. The core IP analysis engine requires a standard Java run-time environment. The analysis and licensing-identification functions are carried out in conjunction with either Protecode's comprehensive Global Intellectual Property Signatures (GIPS) database or with a local on-premises Enterprise IP Signatures (EIPS) database. Protecode's GIPS contains the signatures of millions of software files and is automatically updated with the signatures of new public software files as they appear in the industry.

The analysis results from Core IP Analysis Engine are stored in a local Pedigree Database, the contents of which can be queried and reported on as needed. An associated Database Abstraction layer allows the Core IP Analysis Engine to use a variety of databases as the Local Pedigree database.

PROTECODE CORE IP ANALYSIS ENGINE SOFTWARE DEVELOPMENT KIT (SDK)

- Integration with a client application is simple. The Analysis Engine must be initialized with the correct credentials - the locations of the local Pedigree Database and the IP Signatures databases, and the address of a configuration folder that contains operational settings.

- When required, the engine is called, passing the file URI and the location of the IP policy file to check for violations of IP policy.

The IP policy file is created by Protecode's web-based Policy Administration application, and controls acceptable content (e.g. non-GPL code) and the course of action to be taken in case of detection of violations, etc.

- The IPAC engine returns a record containing the IP attributes resulting from analysis which is then stored appropriately in the local Pedigree Database.

Protecode's Core IP Analysis Engine is part of an end-to-end Software Lifecycle IP Management solution that allows scalability, ease of integration and evolution, and flexible updates. and enables the application of the Protecode's Core IP Analysis Engine SDK enables accurate and fast IP analysis in a variety of OEM applications.

KEY BENEFICIARIES OF PROTECODE SOFTWARE LIFECYCLE IP MANAGEMENT™ PORTFOLIO

CORPORATE MANAGERS

- CEO: Remove IP uncertainties, reduce business risk and cost
- Legal: Assist IP compliance & protection
- Finance: Streamline investments & lower barriers to higher valuation
- Sales: Reduce IP indemnity delays

PRODUCT & DEVELOPMENT MANAGERS

- Manage access to open source software
- Accelerate time to market
- Reduce development costs
- Offer clean pedigreed products
- Improve quality management

INVESTMENT & LEGAL COMPANIES

- Access better software development records
- Reduce discovery costs
- Gain visibility to code portfolio
- Reduce risks

SOFTWARE CONTRACTORS

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

OPEN SOURCE CONTRIBUTORS

- Offer pedigreed content
- Enhance appeal and adoption

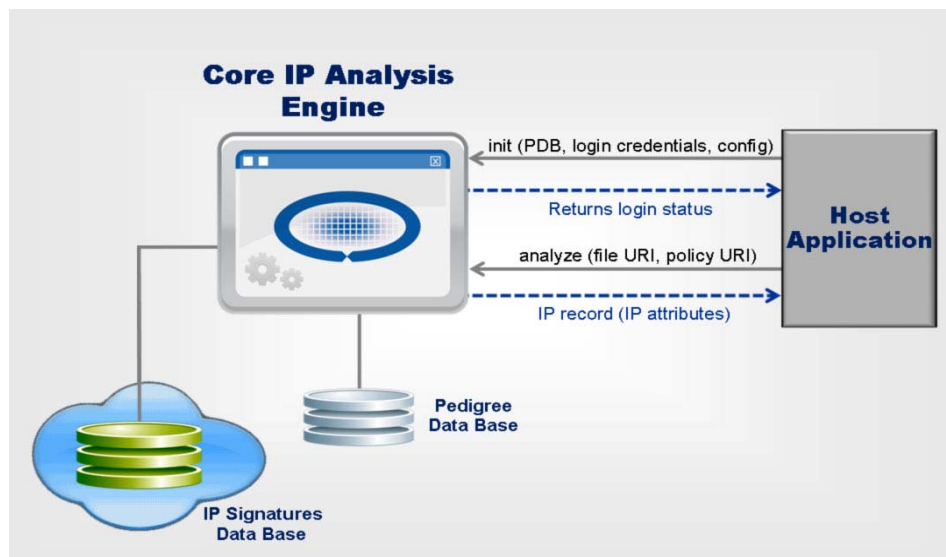
ACADEMIC & RESEARCH INSTITUTIONS

- Improve technology transfer
- Reduce IP uncertainties

SOFTWARE DEVELOPERS

- Automate IP management

Protecode IP Analyzer Core™



Key Benefits

Efficient: small footprint, simple interfaces, platform independent. All analysis results are stored in local Pedigree Database that can be directly queried and results integrated with the host application.

Functional: identifies pedigree and licensing information associated with content; compares legal obligation of code against IP policy; enables on-line inspection and approvals/rejections and facilitates proper IP analysis reporting

Easy to acquire: available for integration into custom applications with either subscription service to Protecode Global IP Signatures (GIPS) database or licensed acquisition of on-premises Enterprise IP Signature database (EIPS)

Easy to Integrate: Simple APIs for seamless integration into larger applications

Comprehensive: examines all pedigree and similarity aspects of code submitted for analysis

Performance: speed and accuracy for unequalled performance

Highly Customizable: Allows the implementation of sophisticated applications dedicated to software governance and the safe adoption of open source.

Secure: no code ever leaves customer premises. Fully internal operation with Enterprise IP Signatures (EIPS) database or with Protecode's Global IP Signatures database using secure client-server communication, with encrypted pedigree information.

Evolving: continuous updates of Global IP Server (GIPS) with newest open source projects and versions, using direct automated feeds from major code repositories

Enabling: facilitates efficient adoption of open source software, and frees developers from complex training and interpretation of open source licensing and rules

Highly Affordable: Flexible licensing structure includes training and support.

TECHNICAL SPECIFICATIONS

ENVIRONMENT

- Platform independent
- Sun JRE 1.6 update 4 or higher

FILE TYPES

- Source files
- Binary files
- Archive files

LANGUAGES SUPPORTED

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

MEMORY REQUIREMENTS

- 512 MB RAM
- 1 GB local Pedigree Database

USER INTERFACE (WEB ADMIN, REPORTING)

- IE 7.0 or higher
- Firefox 2.0 or higher

CONNECTIVITY

- HTTPS

OPTIONAL EIPS (LOCAL SIGNATURES) DATABASE REQUIREMENTS

A server with:

- Intel Core™ DUO or comparable
- 2.33 GHz Processor
- 4 GB RAM
- Linux Red Hat, CentOS or derivative, or Windows XP or Vista using VMWare.
- 100G hard disk for signatures