

# Protection! Licensing Framework for Java— Protect your Applications and Revenue.

Today, software piracy is a growing problem that affects every development company. Gone are the days when software was solely pre-installed by the vendors. Today's software is frequently delivered over the Internet. Although the Internet becomes reliable distribution media, it has also raised several important issues. One important concern being presented is "how to reduce unauthorized use of a particular application"—A question being asked by anyone who finds themselves distributing their applications. Software protection is applicable to all levels of software publishers—from single "lone wolf" developers to major corporations. Piracy is indiscriminate and affects all levels of software products from shareware product to complete Enterprise Suites. If your software does more than just convert Celsius to Fahrenheit—you can bet that someone will attempt to break it.

Recently released, Protection! Licensing Framework for Java, delivers powerful and feature-rich licensing solution. Protection!—a licensing framework that can be embedded into custom Java applications or components only allowing the permitted use according to the supplied license. Protection! provides a robust feature set enabling developer to securely distribute applications to the end-user.

## Protection! Highlights

Protection! offers a comprehensive set of features and functions giving developers full control over licensing solution including, but not limiting to, the following:

- Quick and easy embedding into custom application
- Ability to get full control of license reading and validation.
- Ability to specify a set of application features permitted for use according to the license.
- Ability to control number of simultaneously running copies of the application with the same license.
- Trial versions support with ability to specify evaluation period for each product
- Ability to embed license into the application to allow CD distribution of trial versions.
- Ability to discover patched application parts.
- Powerful Control Center application to allow easy maintenance of products and licenses.
- Strong license file encryption
- Ability to have unique public/private key for each application
- Ability to specify custom message dialogs

- Ability to create unlimited number of products and unlimited number of feature sets for each product
- Ability to generate licenses for various product's feature sets
- Ability to specify custom code snippets and save them as ready to use java implementation files

### Centralized Control

Protection! Control Center offers a central location for Product Management, License Generation and License maintenance. Control Center allows developer to manage unlimited number of products and product's feature set.

### Ease of Implementation

Protection! not only generates a specified license for a product, but also generates corresponding java implementation files allowing developers to simply plug-in these files in their application.

### License Support

The key concept of Protection! is to verify the presence of a valid license required by the product as well as to prevent license tampering. The license file generated by Protection! is a strongly encrypted file which prevents the re-generation of the license file. To meet this goal, a non-symmetrical cipher algorithm is used wherein keys used to encrypt and decrypt license differ. This approach makes it impossible to restore private key by having knowledge of the public key.

### Evaluation/Trial Version License Support

Protection! allows for product to have evaluation (trial) licenses. Evaluation support subsystem is responsible for handling evaluation licenses and for making a decision whether the product can continue to operate according to its license.

### Tracking and Validation of permitted Product's run instances

Protection! Is able to track and validate proper licenses if product-licensing scheme assumes per seat or per running copy fees. This feature ensures that only permitted number of copies (stored in the license file) can run simultaneously.

### Protection against Products Code Patching

Tampering subsystem allows checking and validation that designated key files/classes of the product are not changed. This subsystem significantly increases time and effort needed to diagnose and discover protection system implementation in order to attempt to break it.

## Summary

Protection! Licensing Framework for Java solves complex licensing challenges. Developers using Protection!, are able to build and distribute their application with the peace of mind that the unauthorized use of their applications is minimized thereby translating to the recovery of potentially lost revenues.

