



TruSeal: Software Development Protection

ensuring information integrity

Theft of source code is a concern for software developers. Copyrighting source code or acquiring patent protection is an expensive and time-consuming process. TruSeal offers a cost-effective software development intellectual property protection solution.

The TruSeal Software Development Protection Suite enables software developers to safeguard the intellectual property invested within their software and to protect their software - and their clients - from the insertion of malware. TruSeal enables software developers to protect the integrity of their software throughout the build process and software development lifecycle.



The TruSeal Software Development Protection Suite is compatible with a wide-range of Integrated Development Environments (IDEs), including the Eclipse platform and the Apache Ant build tool. The Protection Suite integrates seamlessly into the build management process to provide protection for software developed in any programming language across a range of operating systems.

Protecting Source Code and Intellectual Property

TruSeal protection can be applied, not only to source code files, but also to any text-based software development artefact, including XML files, configuration files and data files. TruSeal protection can also be applied to the resultant binaries.

Sealing a file creates a time-stamped digital signature, which is stored on the secure, remote

```

//*****
//      MAD Code Generation Tool
//      (c) Acme Solutions Ltd. 2008
//*****
// Generated by:$Source:
// home/czdgne_cvsrep/CzdGne/src/com/AuditAndMetrics/AuditImplCommon.java,v $
//      $Revision: 1.15 $
//*****
// This source code is protected by TruSeal Technology
// Sealed by Bertie Lutton of Acme Solutions Ltd on 04/08/2010
// fTxxCNADeqlXv825WoQENvXLSJmDntO7yULSu1RC
//*****

package com.oogenerator.AuditAndMetrics;

import java.awt.Component;
import com.oogenerator.utilities.events.FeedbackFiltersEvent;
import com.oogenerator.utilities.events.FiltersFileChangedEvent;

/**
 * This is the principal CodeGenie audit mechanism.
 * Audit Filters are loaded prior to each run to ensure that any changes are
 * captured.
 */
public abstract class AuditImplCommon implements Audit...

```

TruSeal Management Server (TMS); an unobtrusive reference to the digital signature is embedded within the sealed file.

The time-stamped digital signature, stored on the TruSeal Management Server, provides irrefutable proof of the source code's content, the time at which the source code was sealed and the identity of both the organisation and the individual that sealed the source code.



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Ease-of-Use

Automated routines are built in to the development environment, for example, Ant build tasks and Eclipse plug-ins. These routines enable TruSeal protection to be quickly and efficiently applied to the entire source code repository.

TruSeal technology can be applied to any digital file; the integrity of design models and requirement specifications can also be protected using TruSeal technology.

Protection against Malware Insertion

Source code files can be sealed as part of the software development review process. Once sealed, any changes to a file render the seal invalid. Build managers - using the TruSeal Code Protection Suite - can quickly and efficiently validate the integrity of the software build.

TruSeal protection can be applied equally to source code files and the resultant executables. Protecting the “finished product”, greatly reduces the opportunity for insertion of malware at the later stages of software construction.

Using TruSeal technology, software developers can provide their clients with an easy-to-use, secure and effective method of verifying the integrity of downloaded software. No longer are end-users required to perform complex calculations to generate MD5 hashes and compare these against published values - a process that is rarely performed!

TruSeal’s process integrity capability completes the circle and offers complete protection across the software development lifecycle. This capability allows seals to be linked, enabling an audit trail to be constructed between the source code and the resultant executables.

Benefits

- Protection against malware insertion.
- Cost-effective protection of Intellectual Property.

Features

- Fully compatible with a wide range of integrated development environments (IDEs).
- Seamlessly integrates into the build management process.
- Compatible with a wide-range of programming languages and development platforms.

More Information...

For more information about TruSeal visit www.tru-dataintegrity.com



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