AbsoluteProof® from Surety®
Protect Your Data’s Integrity, Defend its Authenticity

Solution Set Overview

The Burden of Proof | Can You Prove the Authenticity of Your Critical Electronic Records and Files?

The pressure is mounting to detect and prevent electronic record fraud. Trouble is, tampering with electronic files and other digital content has never been easier - all it takes is motive and a keystroke.

One leading analyst firm estimates that approximately 95 percent of business records generated today originate in electronic form. Business managers and legal departments inside these organizations increasingly are aware that they must have the same, if not greater, levels of attestation of authenticity of their electronic records as they do with their paper records well into the future.

Can you protect the integrity and legally defend the authenticity of your electronic records in a legal, regulatory or patent dispute? Can you prove beyond a shadow of a doubt they have not been altered at any time - even decades after their creation?

Now more than ever, you require the power to prove that your intellectual property, business, evidentiary, financial and any other important records and files are authentic.

You need AbsoluteProof® from Surety®.
The economic risks of unreliable electronic records are compelling: missed business opportunities, lost productivity, increased costs, or even lost legal cases. There’s never been a more important time than now to integrate and automate data integrity and authenticity controls throughout your business processes.

With the AbsoluteProof independent time-stamp service and a Surety Integrity Seal™ applied to your electronic records, you’ll have the ability to objectively defend the ownership and credibility of your digital content, and will be in the strongest possible position if you were ever to enter into a legal or regulatory challenge.

With AbsoluteProof, you get “peace of mind.”

Integrated Data Integrity Protection

An external or third-party time stamp proves that people within your organization and outside the corporate perimeter neither altered nor backdated any electronic data.

AbsoluteProof is an Internet-based service that works wherever your most important electronic records or other digital files reside, and is compatible with any data source, regardless of format—including electronic health records, engineering diagrams, scientific device readings, audio, video, CAD diagrams, system audit logs and even email files.

AbsoluteProof is already integrated into a wide range of electronic records management applications, archive solutions, electronic lab notebooks and multi-function printing and scanning devices, and can also be integrated at any point in your content management cycle - from data generation or capture to management or archive.

“If it is critical to the success of your case to admit into evidence computer-stored records, it would be prudent to plan to authenticate the record by the most rigorous standard that may be applied.”

- Judge Paul W. Grimm
Legally Defensible Proof of Authenticity

With Surety, you’re not just buying digital time stamps, you’re gaining the Assurance and “Peace-of-Mind” that the integrity and authenticity of your electronic files are protected.

Surety understands that its customers may need technical assistance regarding the operation of the AbsoluteProof Service if they are called upon to defend the authenticity of their records in a legal dispute.

To ensure that customers have the support they need in such a process, Surety will vigorously assist its customers in defending the process, technology and methods underlying the claims that Surety makes regarding the AbsoluteProof Service.

AbsoluteProof Works Wherever Your Most Important Records Reside

Software applications, pre-configured modules, and easy-to-integrate software development kits enable AbsoluteProof to be deployed seamlessly into any platform or system in your environment.

Available solutions include:

- **AbsoluteProof Desktop** - Easy-to-use application for sealing and validating individual files on Windows-based desktop systems
- **AbsoluteProof Sign & Seal** - Easy-to-use desktop application that enables incorporating both the “signing” and “sealing” of electronic content, delivering increased protection for long-term legal defensibility beyond what a digital signature alone can provide
- **AbsoluteProof EvidenceSealer** - Capturing a screen shot alone may not be defensible enough; lock down your digital evidence to protect its integrity and defend its authenticity - think of it as a “digital evidence bag”
- **AbsoluteProof FolderSeal** - Windows-based application that performs automatic sealing of new or modified files in file folders and subfolders
Application Modules include:

- **AbsoluteProof for Microsoft SharePoint** - An automated software module for protecting the integrity and authenticity of records in the Microsoft SharePoint platform
- **AbsoluteProof for OpenText Content Server** - An automated software module for protecting the authenticity of records in the Content Server (Livelink) ECM framework
- **AbsoluteProof for Microsoft Exchange** - An automated software module providing content integrity for email content and attachments
- **AbsoluteProof FLEX** - A powerful cross-platform, Java-based utility that enables quick integration of AbsoluteProof into a wide variety of environments, including script-based web applications; and supports administrators in testing and managing “sealed” content produced by other applications.

**Got a Custom Application? AbsoluteProof Software Development Kits Make Integration Easy**

AbsoluteProof Software Development Kits enable you to easily and affordably integrate the AbsoluteProof digital time-stamp service into any custom application. The kits include full documentation, sample scripts and command-line tools for:

- REST
- JAVA
- C++ (Windows, Linux, and Solaris)
- .Net
The AbsoluteProof Sealing and Validating Processes

AbsoluteProof Service
Content Sealing Process

1. **AbsoluteProof Client** creates a hash of an electronic file
2. **AbsoluteProof Client** sends hash to **AbsoluteProof Server**, via secure Internet Connection
3. **AbsoluteProof Server** securely and verifiably binds the hash and timestamp to create the Surety Integrity Seal.
4. **AbsoluteProof Server** sends the Surety Integrity Seal to the **AbsoluteProof Client**.
5. **AbsoluteProof Client** securely archives the Electronic Record and associated Surety Integrity Seal.

*During “sealing,” the records or files never leave the user’s premises.*
Any third party can validate a “sealed” record or file easily by using the free, downloadable AbsoluteProof Viewer tool, available at Surety’s web site www.surety.com.
Widely-Witnessed Proof of Authenticity

Surety’s unique “sealing” process is widely witnessed, making it impossible for anyone to alter previously “sealed” content without detection. Once a week, Surety publishes an integrity value in the Public Notices section of The New York Times. The value represents the combined digital fingerprints of every electronic record or object “sealed” by Surety since its inception.

At any point in time, this combined chain of hash values may be audited by recalculating the integrity values for the time period in question and then comparing those values against the published values. Any tampering with the “sealed” content would be evident since the computed values would be different than the published values.

This open, widely witnessed process makes it impossible for anyone – including Surety itself, to back date time stamps or validate electronic records that were not exact copies of the originals.

NOTICES & LOST AND FOUND
(5100-5102)

Universal Registry Entries:
Zone2:
  dS8492cppVOFAdP9kvElxzM0rQ
  HgEwzxBdVeqV3nLz9qvaBi/MJ
  p5y9EFSG8Xz2M0alG0Q==
Zone3:
  JnFCq+Hcvmvhi8GmmmUP7VZna71
  NgZup/RfuKUuQzCHWx/MuoLK
  durn/HQV5pSHLaBGPRIy+vng==
These base64-encoded values represent the combined fingerprints of all digital records notorized by Surety between 2009-06-03Z 2009-06-09Z.
www.surety.com  571-748-5800
About AbsoluteProof Data Integrity Protection Service

With millions of electronic records and files worldwide “sealed” by its service, Surety is a leading provider of data integrity protection solutions. Surety’s AbsoluteProof digital time-stamp service can mitigate risk, create significant business value, and defend the integrity and authenticity of electronic records and other valuable digital content.

AbsoluteProof ensures against content tampering by providing a “digital wax seal” for all types of electronically stored content. AbsoluteProof ensures that electronic records, files, documents and other digital content sealed using the AbsoluteProof service will withstand the toughest legal scrutiny.

To learn more about how Surety’s AbsoluteProof digital time-stamp service can help you protect the integrity and legally defend the authenticity of your digital assets, visit www.surety.com.