

VoiceProof® – Digital Signature and Secured Content.

Introduction

VoiceProof® provides a cost-effective, and secure solution for signing and securing of high-value and highly sensitive documents and files.

The solution uses malware resilient real-time Strong Authentication to Digitally Sign and/or Secure a File of any Type.

VoiceProof® is compliant with EU Directive <http://europa.eu/scadplus/leg/en/lvb/l24118.htm> . to provide Advanced Electronic Signature as following :

- (a) it is uniquely linked to the signatory;
- (b) it is capable of identifying the signatory;
- (c) it is created using means that the signatory can maintain under his sole control; and
- (d) it is linked to the data to which it relates in such a manner that any subsequent change of the data is detectable.

For more information:

<http://sentry-com.net/blog/?p=86>

Highlights

One of the biggest challenges in any PKI system is key distribution. **VoiceProof®** eliminates the problem by seamless keys generation.

VoiceProof® can be used to sign files of any kind, captured Web forms, as well as zipped group of files. The signed files can be saved to disk , uploaded to Cloud Storage or sent out using the existing e-mail system. The signature can be chained, i.e. signatory can sign already signed file.

VoiceProof® delivers a complete security architecture that includes the four A's of business risk management: Authentication, Authorization, Administration, and Audit. Using the four A's our clients are able to build a solid security architecture based on both business risk assessment and security policies

Benefits

Improved Productivity and Efficiency

- Provides secure, online status of digital credentials
- Enables reliable and secure exchange of sensitive data

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- Reduces cost by leveraging public networks
- No need for certificate distribution
- Time stamping

State-of-the-art MS Crypto technology:

- RSA public-key signature algorithm
 - 1,024 bits key length

Reduced Fraud

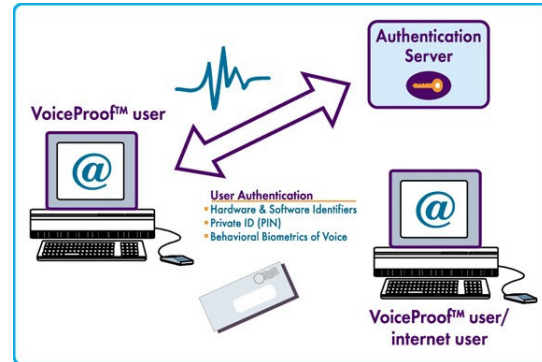
- 2-factor ,malware-resilient 2-factor or 3-factor authentication
- Authenticates the sender and the recipient in real-time
- Solves the repudiation problem
- Provides a Per transaction certification

How it Works

VoiceProof® takes advantage of the fact that each user is authenticated in real-time, using 2-factor or 3-factor authentication.

When requesting to sign and encrypt a file, the user is authenticated through VoiceProof authentication server. To ensure the highest level of security, a user's identity is verified in real-time using a hardware identifier a PIN number and his

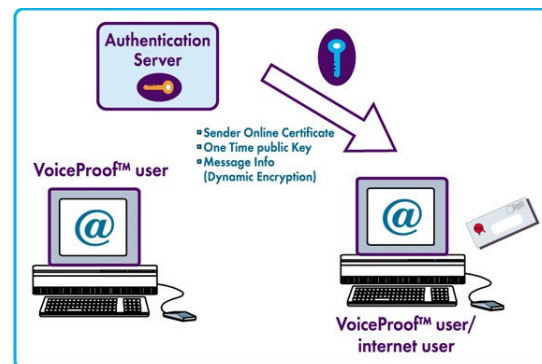
voiceprint (3-factor). For medium security – 2 factor is sufficient.



Next, the user can choose whether to encrypt and seal the message, only to be opened by specified recipients who will be voice authenticated before opening the file.

Finally, the signed and encrypted message will be sent to the recipient.

Upon a request by the recipient and a successful authentication, he will be provided with the decrypted message and digital signature.



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System Requirements

MACS Server Software (if installed internally):

Win 2003, 2008 server
MS SQL 2005 server

Client Software: Win2000, XP, Vista, 7

Browser: IE 6.0 , 7.0 , 8.0

- No microphone is needed for 2-factor authentication.
- Built-in laptop microphone is sufficient for malware-resilient 2-factor authentication.
- Headset Microphone is required for Voice Biometrics 3-factor authentication.

Integration with Existing Enterprise Infrastructure.

If Enterprise is legally required to use CA-based certificate – then we can software-link our certificate with CA.



About SentryCom

SentryCom's mission is to deliver malware-resilient reliable, cost-effective and easy to use strong authentication and crypto solutions to secure critical data within and beyond extended enterprise.

SentryCom products and technology are protected by US patents **7,689,832**, **5,913,196** and **6,510,415**.

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