



SIGNificant™ Biometric Server

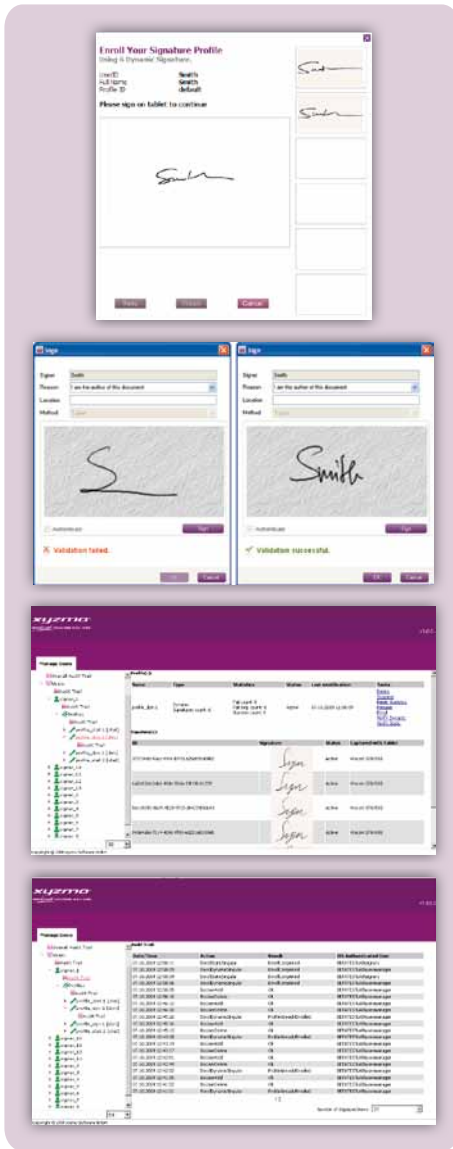
The SIGNificant Suite helps introducing your company to the era of electronic signing. The SIGNificant Server and SIGNificant Client record the handwritten signature of a person (by parameters of pressure, acceleration, speed, rhythm and movements in the air) and embed the signature into the electronic document. The SIGNificant Biometric Server takes this ability one step further and enables the performance of a real-time biometric verification of a person's signature to the SIGNificant platform by comparing the recorded parameters of his handwritten signatures against his pre-enrolled profile. The possibility of a detailed protocol of each signature relevant action makes it a total solution, thus documents are only processed if their signers were authenticated and companies can prove who signed which document and when it was signed.

Benefits

- **Paper Free Process** – accelerates work processes, raises productivity and efficiency within existing procedures. The electronic document cycle will no longer be broken solely for the purpose of capturing and authenticating a signature. You will save money, time and trees by making your office 100% paperless. ROI within 12 months.
- **Reduces Fraud** – enabling dynamic verification of the handwritten signature against a pre-defined biometric profile and a detailed protocol of security relevant actions.
- **Seamless Integration** – using an extensive API that allows biometric authentications and enrollment of profiles to be an integrated part of any legacy application.
- **High Reliability** – based on the fact that two signatures can never be the same. The SIGNificant Biometric Server has been evaluated by a number of leading graphologists and forensic experts that found it to have equal or even improved abilities compared to proving the authenticity of a signature written on paper.
- **Easy To Use Interface** – includes an intuitive easy to use graphical user interface for enrolling, making it very user friendly.
- **Part of a Total Solution** – the all-in-one SIGNificant Suite includes a Server, Client and Biometric Server and enables electronic signing of any type of document in a variety of signing methods (handwritten/biometric/digital – simple, advanced or qualified).
- **Device Independent** – a device independent solution, enabling the use of a broad range of signature capturing devices from various manufacturers in addition to smartcards, tokens and software certificates.

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Features

- **Dynamic Signature Verification** - the system utilizes distinctive aspects of the handwritten signature such as rhythm, speed, pressure, acceleration and movement by measuring the physical activity of signing.
- **High Security Concept** – secure storage and communication of captured biometric signatures.
- **Automatic Detection of Variations** – the server automatically detects variations between signatures to build the personal profile as secure as possible, since some users sign in a very consistent way, whereas others sign with a greater discrepancy between signatures.
- **Versatile Threshold Factor** – enabling a varying authentication process for different environments, allowing organizations to easily adjust the balance between customer acceptance and security.
- **Clear & Fast Verification Results** – the verification is performed in a transparent manner. The server compares the signature to the updated personal profile in the database and enables or rejects the entry within milliseconds.
- **Constant Profile Enriching** – a dynamic mechanism recognizes the fluctuation rate in each of the signature parameters in real time, thus nourishing the authentication engine with added parameters and enhancing the profile every time a signature is profiled.
- **Audit Trail** – detailed protocol of users' security relevant actions (enrollment, signature verification, suspension of signature profiles).

Product Description

Enrollment

The process is initiated by the user's enrollment. The enrollment process requires up to 6 initial signatures or can be done continually over time. Using a digital pen and tablet, the user naturally signs his personal handwritten signature, exactly the same as using a wet-ink pen and ordinary paper.

Signature Profile Creation and Handling

The user's signatures are stored in profiles. The system can handle numerous profiles per user, for instance one profile for the standard signature and another profile for signing only with the initials. When verifying a signature, the SIGNificant Biometric Server compares the signatures to the profile.

Signature Verification and Learning

Each time a user utilizes the system to verify his signature, the Biometric Server compares the current signature to the signature profiles. Upon each authentication, the server continues to learn and fine tunes the user's profile. This enables the system to track gradual shifts in the handwritten signature over time.

System Requirements

Operating System: MS Windows Server 2003; **Web server:** IIS 6;
Database: Microsoft SQL Server 2006 and higher, Oracle 11 and higher or any other database via ODBC driver.

For detailed information regarding the hardware requirements, please contact our presales team at: sales@xyzmo.com

For more information, please visit our website at: www.xyzmo.com