



SAPI – Signature API

Adding CoSign Digital Signatures to your applications

Signatures play a crucial role in our day-to-day lives. Organizations understand that paper processes are expensive and are looking to migrate from a pen on paper signature (wet signature) to a complete paperless environment. CoSign allows organizations to easily meet this goal.

The digital-signature solution provides both an advanced electronic signature and a graphical image of the handwritten signature pasted on the signed document. A digital-signature solution helps the organization authenticate, automate and expedite processes; guaranteeing authenticity, integrity, and non-repudiation of documents.

With CoSign, Algorithmic Research's (ARX) cutting edge digital-signature solution, organizations can easily shift from paper-based procedures to paperless digital processes. CoSign comes, out-of-the-box, with a large array of support for 3rd party applications such as Microsoft Word, Adobe Acrobat, InfoPath, AutoCAD, Corel WordPerfect, and many others. For other applications ARX has developed a special API (Application Program Interface) known as **SAPI**.

SAPI - Signature API is a set of functions, protocols, and tools that programmers can use to enhance their applications with Digital Signatures.

Typical applications that benefit from Digital-Signature support include: Workflow, Document Management, ERP, financial transactions (e.g., Fund Transfer), Laboratory Information Management Systems (LIMS), Engineering Change processes (ECO/ECN/ECR), Reporting, Archiving, Purchasing, Accounting (e.g., Invoicing, Billing, Auditing), Healthcare (e.g., patient consent forms), HR (e.g., reviews, expense report, time sheets), and applications that fall under various compliance requirements (e.g., SOX, HIPAA, FDA 21 part 11).

With SAPI, application developers can easily integrate CoSign digital signatures into their application and eliminate the printing, handling, faxing, mailing and archiving of paper forms or policies.

Empower your Web application with CoSign digital signatures



Standard APIs

MS CAPI and PKCS#11 are two standard APIs supported by CoSign. These APIs can be used to enhance an application with Digital-Signature support, but SAPI offers a much simpler, more abstract, and more powerful approach. In addition to the simplicity, SAPI offers additional functionality such as support for Graphical Signatures; that is, the ability to add the graphical image of the hand-written signature into the application.

SAPI Functionality Includes:

- Sign/Validate a signature in a supported application
 - Sign/Validate a single file or data buffer
 - Check certificate validity
 - Batch sign multiple files (e-Invoices, e-Archiving, etc.)
 - Enumerate/Manage certificates
 - Add graphical signatures
 - Manage users (Add, Delete, etc.)
- And more

Did you know?

With SAPI
organizations can
digitally sign more
than **60** invoices &
bills in **1 second**

SAPI Language Support

SAPI can be called through:	Supported Languages:
C DLL	C/C++
COM object	VB
Web Services (future)	Delphi
	.NET
	Java

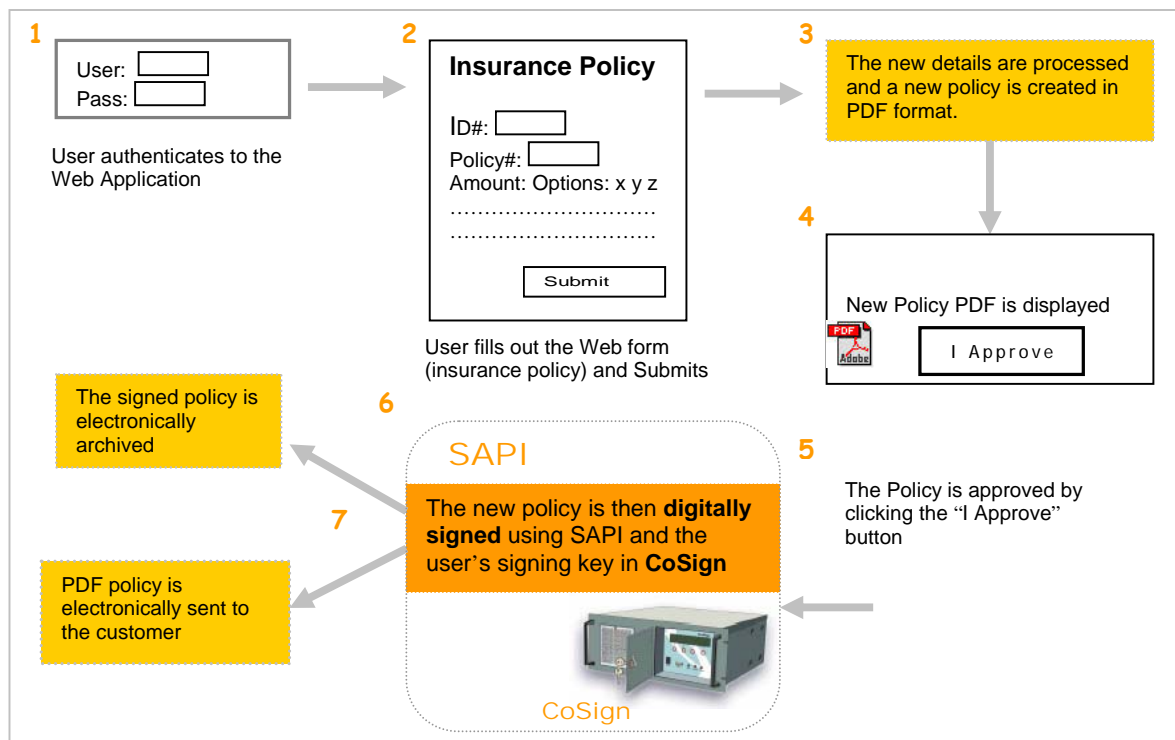


Signing Web Forms and Applications with SAPI

CoSign's support of Web signing ensures a convenient way for remote users to sign documents and data. By integrating CoSign's Web-signing solution, organizations can automate, expedite processes, and provide a much enhanced customer service. SAPI provides the means to add digital-signatures functionalities to any Web applications.

For example, an insurance company can use CoSign to have its clients digitally sign changes or updates to existing policies without requiring printing and faxing of the updated policies back and forth between both parties. This process significantly minimizes the costs and time spent in printing, mailing or faxing paper policies. With CoSign's SAPI the insurance company can easily add digital-signature functionalities to their Web application, and have their customers sign the transactions over the web. CoSign's digital and graphical signatures ensures the accountability of the policy holder.

The following diagram illustrates a typical online approval process of insurance policies integrated with SAPI:



For more information on CoSign please contact sales@arx.com or visit www.arx.com