CoSign

Digital Signatures
KEEP YOUR BUSINESS MOVING

John Miller
Jan 15 2011 3:32 PM

CoSign Digital Signatures

Organizations around the world are investing in business automation tools to streamline processes, enhance operations and cut costs. But when the need for a signature approval demands the reintroduction of paper, the benefits of this investment are significantly reduced. The CoSign® digital signature solution allows organizations to close the gap to going fully paperless while affordably completing their investment in business process automation.

Why Digital Signatures?

Today's business processes are almost entirely electronic; documents, forms, and reports are authored in electronic formats such as Microsoft® Word or Excel®, or PDF, and should remain paperless throughout their full lifecycles. This enables organizations to keep business moving while improving efficiency and reducing process times.

Resorting to paper for signature approvals severely diminishes the benefits derived from electronic business processes. It brings business to a halt, generating unnecessary paper-based expenditures (i.e. printing, routing, archiving), and hindering organizational efficiency.

By allowing signature approvals to be completed electronically and securely, digital signatures prevent slow and expensive paper-based signing processes from re-entering electronic workflows, and provide the integrity and trust required for audits, compliance with industry regulations, and good business practices.

Valid signature:

John Miller
January 15 2011 3:32 PM

Invalid signature:

John Miller
January 15 2011 3:32 PM

CoSign Digital Signatures
A Complete Digital Signature Solution

The CoSign digital signature solution supports all major document formats including PDF, Microsoft Word, Excel, InfoPath®, Lotus Forms, and others, making it simple to digitally sign documents, contracts, forms and records from within the most commonly-used applications. The solution also integrates seamlessly with popular electronic content management systems such as Microsoft SharePoint®, enabling organizations to affordably complete their investment in automation with paperless approvals.

A standard solution based on Public Key Infrastructure (PKI) technology, CoSign signatures can be verified by any third party for signer identity and intent, and document integrity, without proprietary verification software. With CoSign, organizations can gain trusted and compliant electronic approval processes through an approach that allows for rapid deployment and ease of use. CoSign meets the needs of even those organizations in the most tightly-regulated industries by providing digital signatures that are legally enforceable and that allow compliance with worldwide regulations including HIPAA and FDA 21 CFR part 11.

CoSign Features & Benefits

Below are descriptions of some of the major features and benefits offered by the CoSign digital signature solution. If you have any questions or would like further information, feel free to visit us at www.arx.com or send us an email at sales@arx.com.
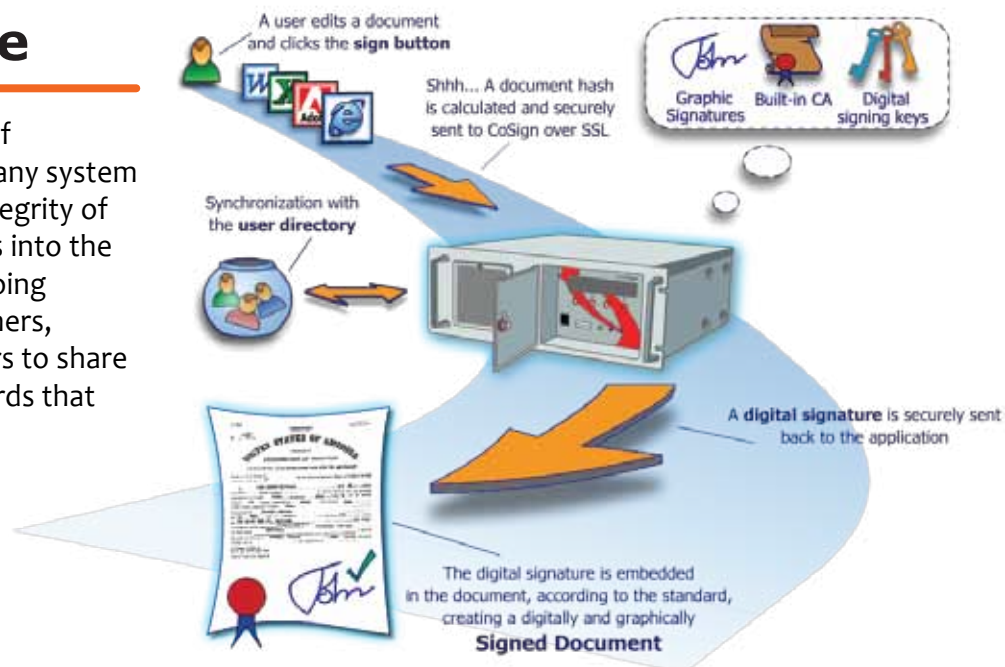
Central Control

CoSign takes a centralized approach to deployment and administration of signature credentials. It enables the management of signature privileges to dovetail with the organization's pre-established policies and procedures for user management and authentication. Signature keys and credentials are stored on a central, network-attached appliance, and accessed securely over the network. The system seamlessly installs under an organization's existing user-management directory (e.g. Active Directory®), authentication scheme (e.g. Kerberos), and application infrastructure, reducing the cost of administration to almost nothing but keeping the organization in full control of signature privileges.

Workflow Integrated

CoSign is seamlessly integrated with Microsoft SharePoint, Nintex® Workflow (version agnostic) and other document management and workflow solutions, enabling organizations to automate signature-driven processes with legally-enforceable digital signatures and affordably complete their investment in workflow automation. Workflow solutions equipped with CoSign enable users to easily sign documents from within the workflow interface while maintaining compliance with regulations, audit requirements, and security policies.

Globally Acceptable

CoSign's compatibility with a broad set of applications guarantees that anyone on any system will be able to examine and verify the integrity of electronically-signed records for decades into the future. CoSign accelerates the pace of doing business both internally and with customers, partners, and prospects by enabling users to share trusted, approved transactions and records that have integrity and effect.

A user edits a document and clicks the **sign button**

Shhh... A document hash is calculated and securely sent to CoSign over SSL

Graphic Signatures   Built-in CA   Digital signing keys

Synchronization with the **user directory**

A **digital signature** is securely sent back to the application

The digital signature is embedded in the document, according to the standard, creating a digitally and graphically **Signed Document**

Technical Specifications

Application Support

Adobe® Acrobat® 6/7/8/9/X
Adobe Reader 6/7/8/9/X
AutoDesk® AutoCAD ®2000 and higher
Bentley® MicroStation
Corel® WordPerfect®
Lotus Forms
Lotus Notes®
Microsoft Word XP/2003/2007/2010
Microsoft Excel XP/2003/2007/2010
Microsoft InfoPath 2003/2007
Microsoft Outlook®
Microsoft PowerPoint® XP and higher
Microsoft Windows Live® Mail
Nintex Workflow (version agnostic)
StarOffice/OpenOffice Writer
StarOffice/OpenOffice Calc
TIFF
Web applications
XML documents
Any application that uses MS CAPI, CAPI-NG, PKCS#11 or JCA for signing
Any application that can print (via the CoSign printer)

Document Management Systems Support

Microsoft SharePoint Server 2003/2007/2010
Adobe LiveCycle®

Oracle® UCM
IBM® FileNet® eForms
eDocs (Hummingbird/Open Text)
IBM SCORE
Laserfiche
Motive Systems M-Files
Lawson™ S3 and M3
NextDocs
Dolphin Software
Xerox DocuShare

Signature Features

Sectional and Interdependent Signatures
Multiple Signatures per Document
Graphical Signature Image Management
Multiple Graphical Signatures per User
Reason-code Management
Signature Clearing Rules
Customizable Signature Block
Unattended and Batch Signing
Signature Audit Trail
Secured Time Stamp
CRL and OCSP support

Certification Authority Support

CoSign Internal (Controlled-Trust) CA
Web-trusted CA
Subordinate to an existing CA
External CA (Qualified CA, Adobe CDS and more)

Authentication Methods

Directory User Name/ Password
RADIUS/OATH-based One-Time Password (OTP):
   RSA®, Vasco, SafeNet, VeriSign® VIP, Cidway®.
Tokens (Smart Cards, USB-based security tokens)
Biometric (Saflink®, DigitalPersona®)
Single Sign On / Prompt for Sign

Knowledge-based ID Proofing

RSA, IDology, Experian®, Lexis Nexis®

Supported APIs

CoSign Signature API (SAPI®)
Microsoft .NET™ Ready
Web Services Ready (compliant with OASIS DSS,
   Adobe Roaming ID ASSP, and SPML).
Microsoft CAPI and CAPI-NG
PKCS#11
JCA/JCE

User Directories

Microsoft Active Directory
LDAP-based Directories
Oracle Internet Directory (OID/OVD)
IBM Tivoli®
Novell® eDirectory
Directory Independent Installation
Sun Directory Services
SAP® Virtual Directory

Security Standards

FIPS 140-2 Level 3 validated
FIPS 186-3
FIPS 180-3
ETSI XAdES and CAdES
In process for compliance with Common Criteria EAL 4+

Enables Regulation Compliance

FDA Title 21 CFR Part 11
Professional Engineering Board Regulations in 40 states
Health Insurance Portability and Accountability Act (HIPAA)
Sarbanes Oxley
EU VAT Directive
United States Department of Agriculture (USDA)

Other

High Availability
Load Balancing

Physical Dimensions (2 options)

	1U Rack-Mountable	4U Rack-Mountable (FIPS)
WxDxH	18.9" x 22.0" x 1.8"	19.0" x 17.5" x 7.0"
	47.9cm x 55.9cm x 4.5cm	48.3cm x 44.5cm x 17.8cm
Weight	28 lbs / 12.7 kg	30 lbs / 13.6 kg

RSA **SecurID®**
Ready

Keep Your Business Moving