



# 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:

A blue cursive signature "John" is shown with a large green checkmark overlaid on it, indicating it is a valid digital signature.

John Miller  
January 15 2011 3:32 PM

Invalid signature:

A blue cursive signature "John" is shown with a large red X overlaid on it, indicating it is an invalid digital 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](http://www.arx.com) or send us an email at [sales@arx.com](mailto:sales@arx.com).

## Central Control

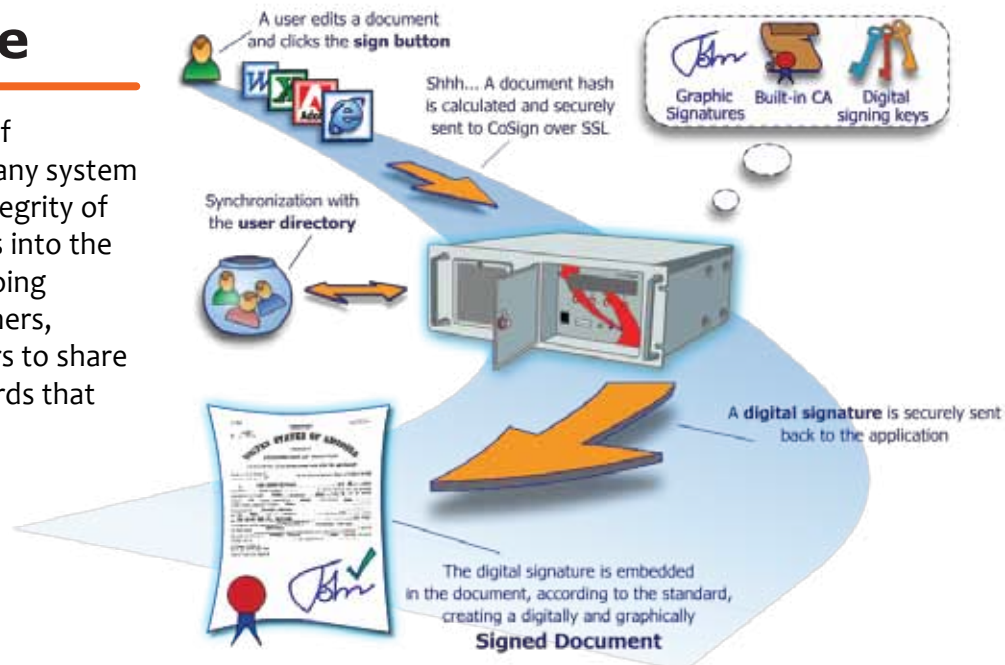
CoSign takes a centralized approach to deployment and administration of signature credentials. It enables the management of signature privileges to dovetail with the organization's pre-established policies and procedures for user management and authentication. Signature keys and credentials are stored 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.

## 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.

## 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.



# 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®  
CLM Matrix  
Dolphin Software  
IBM® FileNet® eForms  
IBM Forms Server (Lotus)  
IBM SCORE  
Laserfiche  
Lawson™ S3 and M3  
Motive Systems M-Files  
NextDocs  
Open Text LiveLink and eDocs (Hummingbird)  
Oracle® UCM  
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 (Safink®, DigitalPersona®)  
Single Sign On / Prompt for Sign

## Supported APIs

CoSign Signature API (SAPI®)  
Microsoft .NET™ Ready  
Web Services Ready ( 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

NIST FIPS PUB 186-3 (Digital Signature Standard)  
NIST FIPS PUB 180-3 (Secure Hash Standard)  
NIST FIPS 140-2 level 3  
ITU-T X.509  
RFC 3447 - PKCS#1  
RFC 2315 - PKCS #7 (Cryptographic Message Syntax)  
RFC 3161 Internet X.509 Public Key Infrastructure Time-Stamped Protocol (TSP)  
RFC 2560 Online Certificate Status Protocol (OCSP)  
W3C XML Digital Signature (for Web services)  
ESTI TS 101 733 (CAAdES)  
ETSI TS 101 903 (XAdES)  
ESTI TS 102 778 (PAdES)  
JITC DoD PKI Certified  
Approved security target for compliance with Common Criteria EAL 4+

## Enables Regulation Compliance

FDA Title 21 CFR Part 11  
Health Insurance Portability and Accountability Act (HIPAA)  
United States Department of Agriculture (USDA)

## Other

High Availability and Load Balancing

## Physical Dimensions (2 options)

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



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