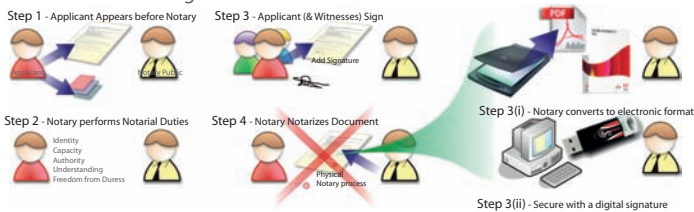


# eNotarization with Adobe CDS – Simple & Efficient

Certified Document Services (CDS) provides a cost effective e-Notarization platform.

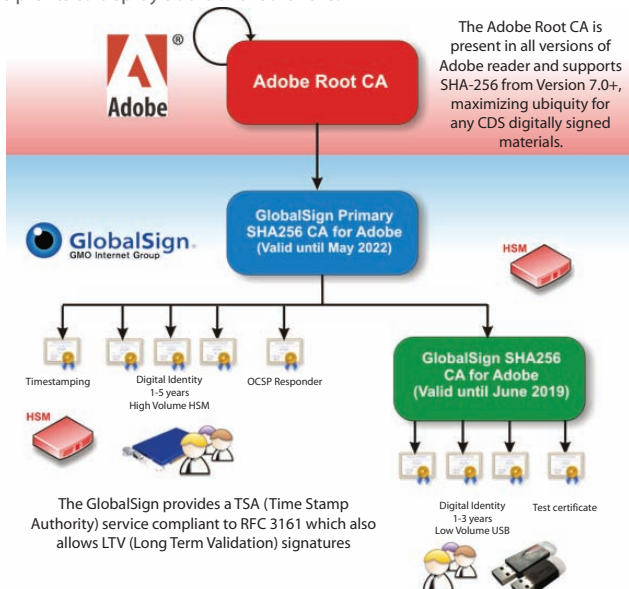
## Where to put the 'e' in eNotarization?

Digital certificates are required to create digital signatures (cryptographically strong electronic signatures) on edocuments. Until such time as applicants and witnesses are able to present valid digital IDs and until such time as documents are provided in a purely electronic format, wet ink signatures should continue to be used in exactly the same way as they are today (1-3 below). The 'e' in eNotarization is introduced by simply replacing the final step (4) in the traditional Notary process, with two very simple processes; Firstly, converting (i.e. scanning) the final document to an internationally accepted electronic format (3(ii)) such as PDF and digitally certifying the resulting content (3(iii)). The digital certificate used by the Notary to certify (i.e. Notarize) the PDF is provided by a Certification Authority (CA) via a RA (Registration Authority) and is delivered and controlled under a strict Certificate Policy. In this respect, the authenticity of the signature can be verified automatically by some 800+ Million copies of Adobe's PDF reader in use around the world. This simple fact removes the myriad of issues created when individual countries, organizations and individuals try to control individual trust models across international boundaries where the recipient's software cannot be guaranteed.



## Certified Document Services

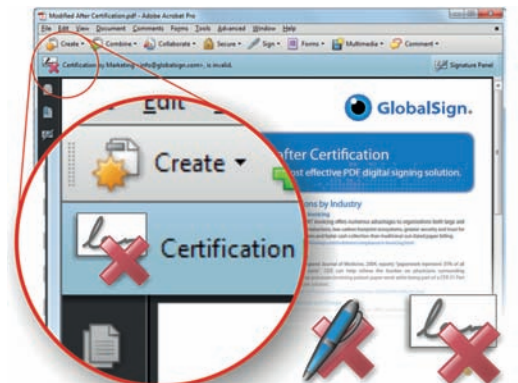
Certified Document Services (CDS) is one of the services enabled by the Adobe root certificate authority and was introduced into the Acrobat product offering supporting SHA256 with version 7.0. CDS enables document authors to sign Portable Document Format (PDF) files, using standard digital certificates, which automatically validate when authors are using free Adobe® Reader® software. No additional client software or configuration is required. CDS was designed to enable organizations and individuals who publish high-value documents to large and disparate recipient groups to increase the assurance level that the document's integrity and authenticity are preserved. By adding a CDS signature to a PDF file, document authors can increase this assurance level without requiring recipients to deploy additional software.



For more information about GlobalSign solutions, please call 603-570-7060 or 877-775-4562   
 Visit [www.globalsign.com](http://www.globalsign.com) for more information

## Why and how to protect your Notarial practice

In today's interconnected digital world, it is important for businesses and legal professionals to ensure that any data transmitted electronically across public networks, such as the Internet, retains its authenticity and integrity whilst shown to originate from a verified source. PDF Signing for Adobe CDS allows the Notary to add certification and approval signatures to secure Adobe® PDF documents and at the same time protect those documents from compromise - This cannot be achieved with physical documents. - Changes are not detectable.



If a notarial act or the content that it refers to is changed in any way.

Adobe 8.XX Symbolism   
 Adobe 9.XX, 10+ Symbolism

## Customer Case Study

### Registrar for the Faculty of Notaries public in Ireland.

David Walsh, Solicitor and Notary Public (<http://www.davidwalshlegal.ie>) and Registrar for the Faculty of Notaries Public in Ireland (<http://www.notarypublic.ie>), uses GlobalSign's PDF Signing for Adobe CDS solution.

Irish businesses and private citizens alike are now able to have their critical business documents e-Notarized by David and a growing number of Irish Notaries who have recognized the need to act as hubs and upload trusted business information on to the Internet. The ability for notaries to be able to offer the Internet as a highly available and environmentally friendly transport mechanism for notarized documents will act as a catalyst for eBusiness and eProcurement in 2010 and beyond. The PDF Advanced Electronic Signatures (PADES) format is a recognized European Digital Signature format under the European Telecommunications Standards Institute (ETSI) Technical Standard (TS) 102 778 (announced by ETSI in September 2009). As companies move forward to comply with the recommendations of eProcurement initiatives, such as the Pan European Public Procurement Online (PEPPOL) project's Virtual Company Dossier (VCD), notaries are also ideally placed to take advantage of the time lag between country-specific company registrars being able to offer the option of providing digitally signed company formation evidence. CDS compliant digital certificates enable an eNotary to create an authentic digital copy of any formal evidence of a company formation.

"These are very exciting times indeed for any Notary Public, as we now have a tool set which allows us to take advantage of the Internet, and as such provide a more efficient service to our customers, whilst at the same time retaining the security and trust which are the hallmarks of the Notarial profession," commented David.

"This first eNotarization in Ireland represents a significant step towards moving away from a traditionally paper-based industry, thus reducing carbon footprint and increasing time and cost efficiencies at all levels," said Steve Roynance, Business Development Director, GMO GlobalSign. "We look forward to continuing to provide the highest levels of security and trust to an industry where compliancy is key."

# PDF Signing for Adobe CDS - How it Works & Solutions by Industry

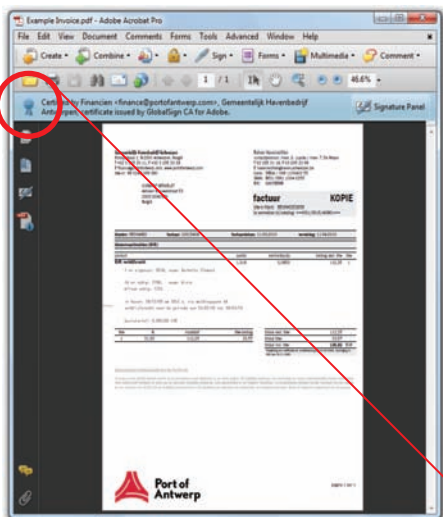
Certified Document Services (CDS) provides a cost effective PDF digital signing solution.

## How it Works...

Certified Document Services (CDS) is a service which is enabled by the Adobe root certificate authority and was introduced into the Adobe® Acrobat® product range supporting SHA-256 signatures from version 7.0 onwards. CDS empowers document authors to digitally sign Portable Document Format (PDF) files, using an industry standard X.509 digital certificates chained to the Adobe Root Authority to allow automatic validation of authenticity of the author using the free Adobe Reader software. No additional client software or configuration is required.

A major advantage to any organization with stakeholders in multiple countries, is the built-in international language support within the PDF reader itself. Available in over 30+ languages, Adobe Reader ensures a consistent digital signature experience worldwide. CDS was designed specifically to enable any organization providing documents to large and disparate recipients, who may be in multiple countries, to increase the assurance level of the document. The document's integrity and authenticity are digitally preserved by the addition of the CDS signature to the PDF. Document authors are able to increase this assurance level without requiring recipients to deploy additional processes - it simply works, ensuring an effective ROI through a vast reduction in the investment normally associated with supporting a proprietary security system.

Following a thorough verification of the 'Applicant' requesting a PDF Signing for Adobe CDS certificate, GlobalSign will issue a 'pickup' link which allows a certificate to be generated and securely stored on a SafeNet® hardware cryptographic device. Authors can digitally certify PDFs using certificates "chained" up to the trusted Adobe Root. Recipients simply need to open the document using the Adobe free reader to instantly verify the authenticity and integrity of the document. Adobe's simple to interpret "Blue Ribbon, Yellow Warning Triangle, and Red X" trust messaging allows even novice users an easy to understand method to determine if the document is legitimate.



**Valid and certified!**  
Authenticity and Integrity are verified  
Pass



**Error!**  
Authenticity Check Fails



**Error!**  
Integrity Check Fails

For more information about GlobalSign solutions, please call 603-570-7060 or 877-775-4562

Visit [www.globalsign.com](http://www.globalsign.com) for more information

## Solutions by Industry

### Electronic Invoicing

Electronic VAT invoicing offers numerous advantages to organizations both large and small – cost reductions, low carbon footprint ecosystems, greater security and trust for all stakeholders and faster cash collection than traditional out-dated paper billing. <http://www.globalsign.co.uk/solutions/industry-solutions/e-invoicing.html>

### Healthcare

The New England Journal of Medicine, 2004, reports "paperwork represent 31% of all healthcare costs". CDS can help relieve the burden on physicians surrounding cumbersome processes involving patient paper-work while being part of a CFR 21 Part 11 compliant solution. <http://www.globalsign.co.uk/solutions/industry-solutions/healthcare.html>

### Manufacture and Design

Architecture, Engineers and Construction (AEC) professionals benefit from CDS with faster design collaboration, more efficient and less expensive electronic document storage, and stronger protection via tamper evident engineering and product documentation as documents are exchanged among customers, partners, contractors, and building departments. <http://www.globalsign.co.uk/solutions/industry-solutions/manufacturing.html>

### Education

More and more educational institutions are increasing student and alumni satisfaction as universities and colleges disseminate sensitive documents like transcripts and admissions letters electronically in a fraction of the time and costs seen with their paper equivalent. <http://www.globalsign.co.uk/solutions/industry-solutions/education.html>

### Government

CDS supports both local and federal government initiatives including the Government Paperwork Elimination Act helping reduce costs, enhance citizen accessibility to government information and reduce unnecessary environmental waste while at the same time providing high assurances to its citizens that the information is legitimate. <http://www.globalsign.co.uk/solutions/industry-solutions/government.html>

### Financial Services

Industry best practices coupled with government imposed regulation like Sarbanes-Oxley make CDS an attractive option as a thorough audit of the signature properties are embedded in the document itself. Well after the Digital ID expires, the signature characteristics are preserved providing relying parties strong authentication of both the organization and individual or role that signed the PDF, whether the content is still intact, and the exact date and time of the transaction as determined by a RFC 3161 compliant time-stamp. <http://www.globalsign.co.uk/solutions/industry-solutions/financial-services.html>

### The Notarial and Legal Professions

CDS provides unequalled support of trusted documents in multiple languages. This alone facilitates cross border transactions as both sides are able to interrogate the authenticity of a document in their local language; the ideal solution for e-Notarization. <http://www.globalsign.co.uk/solutions/industry-solutions/notary-legal.html>

## The SafeNet iKey 4000 & 5100

GlobalSign's PDF Signing for Adobe CDS Certificates are usually provided with either a SafeNet iKey 4000 (SHA1 capable) or a SafeNet iKey 5100 (SHA256 capable). As an extension of smart card technology both keys plug into any USB port to provide strong portable user authentication without the need for costly reader devices. Certificates installed on to either token ensure regulatory compliance with the FIPS 140-2 Level 2 requirements of the Adobe CDS program.

For organizations with high volume signing requirements or the need for automation, GlobalSign is able to provide a HSM (Hardware Security Module) in either PCI, PCI(e) or Network attached.

In addition, GlobalSign's ePKI (Enterprise PKI) solution is available for companies that require multiple digital identities.

