

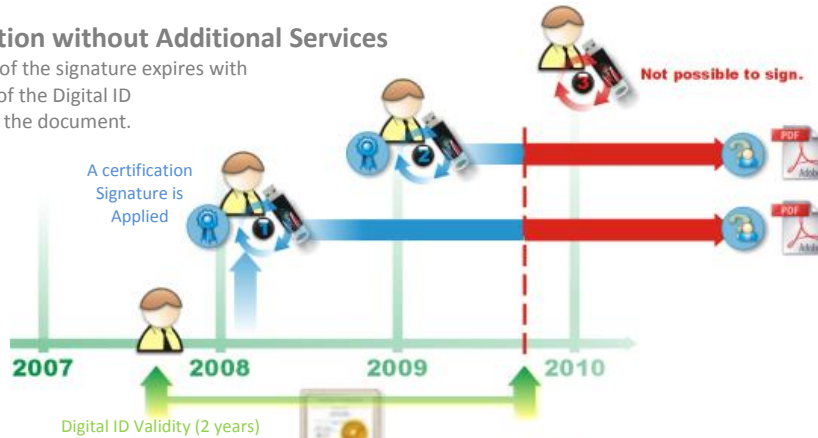
DocumentSign™ - Additional Certificate Services

Digital IDs for the Adobe PDF Platform: Certified Document Services (CDS)



Certification without Additional Services

The validity of the signature expires with the validity of the Digital ID used to sign the document.



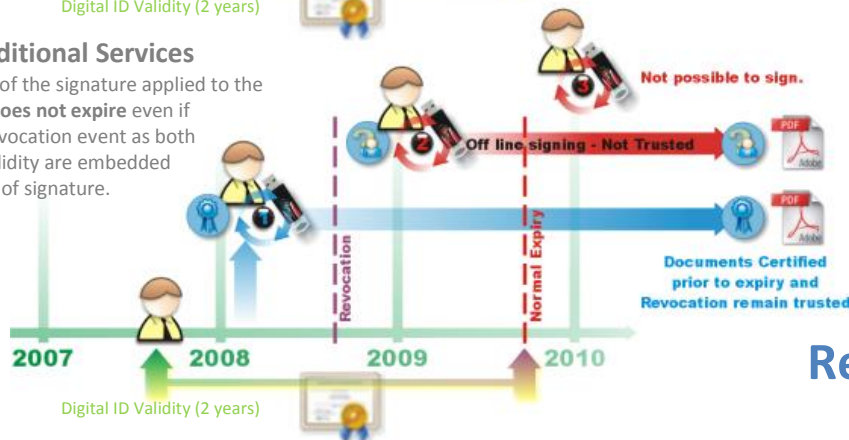
No Services and a Revocation Event

The validity of the signature expires with the revocation of the Digital ID.



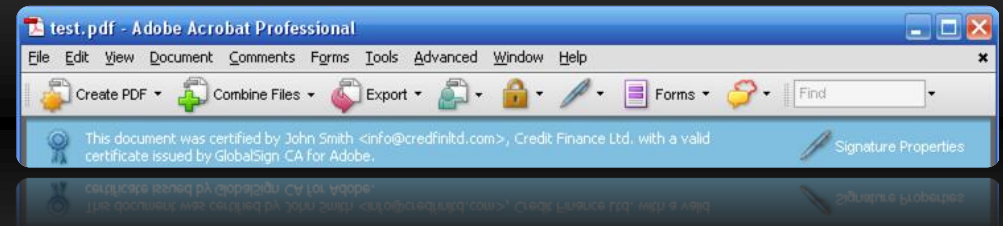
With Additional Services

The validity of the signature applied to the document **does not expire** even if there is a revocation event as both time and validity are embedded at the point of signature.



How does Long Term Signature Validation work?

Time is a critical component in establishing the sequence of activities in real life. It is an equally important aspect of the value proposition of digital signatures that establishes the authenticity and integrity of a document or transaction. Certificates have a significantly shorter life span than archival requirements place onto a document (Especially the needs of e-invoicing and e-archiving) so a Long term Signature Validation service is essential. Adobe designed the PDF reader to utilize information embedded within a PDF document to make solid trust decisions. The default option within the Adobe PDF reader is to view documents in 'Secure Time', meaning that Long Term Validation (LTV) trust decisions can be made by PDF reader only if both a secure **Time Stamp** and **Certificate Validity** response is embedded within the document at the time of signature. It is these two additional certificate services which GlobalSign offers DocumentSign customers to aid LTV, namely RFC 3161 time stamping and 3 hourly CRL generation. This is also the reason why it is necessary to know if the annual volume of signatures falls into a Low, Medium or High category for the particular product chosen. Adobe covers (LTV) in more detail here:- http://www.adobe.com/manufacturing/pdfs/PDF_electronic_records_wp.pdf



Which version of the Adobe PDF Reader is supported?

The technology to allow digital signatures to be incorporated into PDF documents first appeared with version 5.0 of the Adobe Acrobat product suite. The ability to support long term signature validation was introduced with version 6.0 of Adobe (including the free reader).



Modified/Changed
Potential Issue!



Unknown Author
(Revoked, Expired or non trusted Digital ID)
Potential Issue!



Certified
Trusted
(No expiry with CDS)

Remember! For the highest assurances of who created a document, look for the Blue Security Bar and Blue Rosette.