

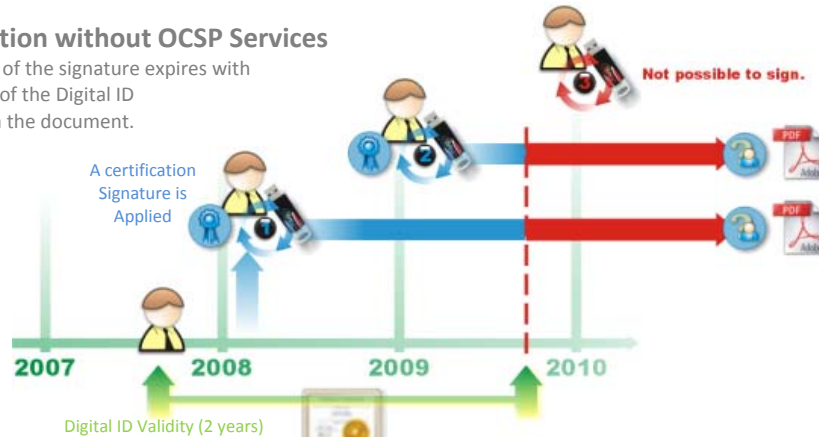
# DocumentSign™ - OCSP (Online Certificate Status Protocol)

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



## Certification without OCSP Services

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



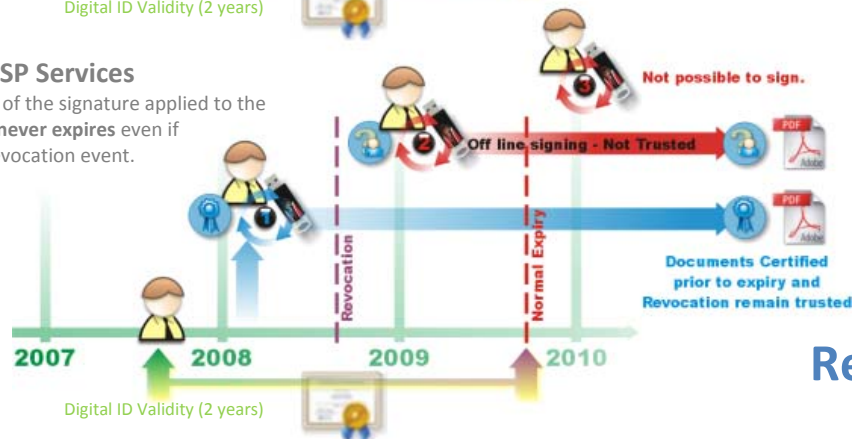
## No OCSP Services and a Revocation Event

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



## With OCSP Services

The validity of the signature applied to the document **never expires** even if there is a revocation event.



## How does OCSP work?

Following a thorough verification of both the individual and / or the organization requesting a DocumentSign digital ID, GlobalSign will issue the digital ID in the form of a Digital Certificate, securely stored and protected on a SafeNet® hardware cryptographic device. Authors can digitally certify PDFs (desktop and server-based solutions available) using certificates “chained” up to the trusted Adobe Root. Approval signatures may also be applied at a later stage. 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, Question Mark, and Red X” trust messaging allows even novice users an easy to understand method to determine if the document is from a legitimate source. During any Certification and Signing processes, Adobe Acrobat (Professional/Standard etc.) will verify the status of the Digital ID used for signing by requesting a status from the GlobalSign OCSP (Online Certificate Status Protocol) responder. If still valid, the responder will send back a digitally signed response to be embedded within the PDF document. All future trust decisions on the authenticity of the document will indicate that the Digital ID was valid at the time of signing, and therefore regardless of whether the Digital ID later expires, or is revoked, the authenticity of the document can still be verified – i.e. with OCSP, authenticity never expires.



## Which version of the Adobe PDF Reader supports OCSP?

The technology to allow digital signatures to be incorporated into PDF documents first appeared with version 5.0 of the Adobe Acrobat product suite. OCSP capabilities were introduced with version 7.0 (including the free reader).



Modified/Changed  
**Potential issue!**



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



Certified  
**Trusted**  
(No expiry with OCSP)

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