

Aloaha PDF Signator

Digitally sign any PDF document

Presentation Outline

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Introduction

Authenticity and integrity → PDF files can easily be modified and are not a means of securing documents.

Digital signatures → More important and legally required.

Use Aloaha PDF Signator to **securely** and **legally** use PDF to:

- Send **official** business **communications**.
- Issue electronic **invoices**.
- Submit **tenders**.
- Sign **contracts**.

Sign and timestamp any existing PDF document with **Aloaha PDF Signator** → No preparation;
No signature fields required.



Top Benefits

Save!

- No need for full Adobe Acrobat® or Adobe Document Server for Reader extensions .

Use one application to view, seal, sign and counter-sign documents

- Open, view and navigate PDF documents directly within **Aloaha PDF Signator**.
- Open image documents as PDF.
- No other 3rd party PDF Reader is required.
- Form Fields **automatically sealed** before applying signature.
- Multiple Signature / Counter Signatures supported.



Unique long-term validation of documents

- Sign and Time-stamp PDF documents for **long-term validation** purposes.
- Unique support for advanced digital signatures including embedded **RFC 3161** compliant trusted timestamps. (electronic notary)
 - Such signatures can be verified even after the signer's certificate expired or was revoked



OCX/ActiveX module included!

Interoperability

Any Image File Format

Open image documents as PDF to apply digital signatures to scanned documents and Faxes to ensure legal compliance.

Adobe compatible

Aloaha signatures and time stamps can be verified using free Adobe Reader or Adobe Acrobat. Create signature validation protocols using freeware tool [Aloaha sign!](#)

PKI Neutral

[Aloaha PDF Signator](#) will work with PKI components from any vendor (CAs, certificates, CRLs, OCSP responders, smart cards, etc.). Broad variety of Smart Cards supported native and via CSP.



System Requirements

- Windows NT, Windows XP, Windows 2000/3 or Windows Vista
- No additional 3rd party packages required!
- Documents do not have to be “reader-enabled”.
- Documents do not require empty signature fields.
- Digital Certificate can either be software based or hosted on a Smart Card.



Time Stamps

Trusted time stamping is the process of securely keeping track of the creation and modification time of a document.

“Securely” → No changes! Not even the owner of the document (provided that the time stamper's integrity is never compromised).

Trusted time stamp

- Issued by a trusted third party (TTP) acting as a Time Stamping Authority (TSA)
- Used to prove the existence of certain data before a certain point in time (e.g. contracts, copyright, intellectual property (research data, medical records,...), without the possibility that the owner can backdate the timestamps.
- Time Stamping Authorities are electronic Notaries.



Time Stamps in PDF

The **Aloaha PDF Saver** can apply RFC 3161 compliant trusted timestamps to the signature being created. The great advantage of RFC 3161 time stamps is that they are validated and shown by the free Adobe Reader.

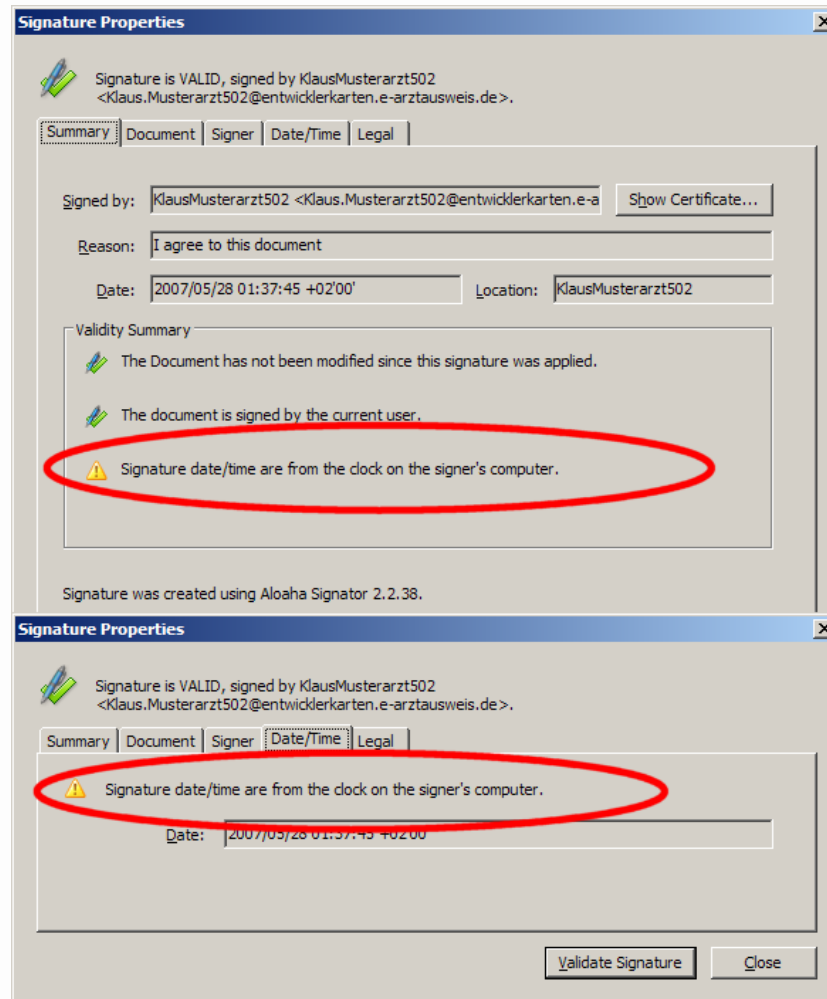
RFC 3161 compliant Time Stamping Authorities are also called “electronic Notary” since they guarantee that the signed document existed at that point in time. The Time Stamp itself is also known as “electronic Postmark”.

Discussion:

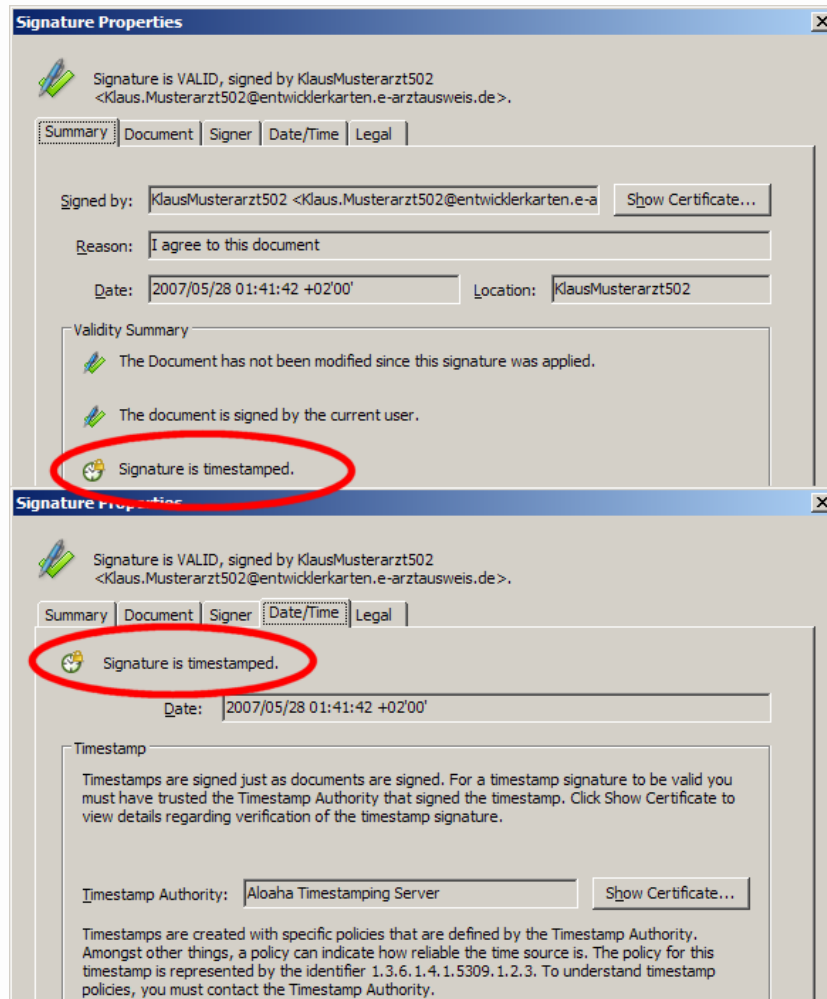
Today you digitally sign a contract without applying a time stamp. Tomorrow you lose your signature card and revoke the certificate. Is your contract valid?



Normal signed PDF



Time Stamped PDF



Corporate Overview

- Wrocklage GmbH founded in 1991.
- Wrocklage Intermedia GmbH founded in 1998.
(www.wrocklage.de)
- Aloaha Software founded in 2003.
(www.aloaha.com)
- Offices in Germany and Malta.
- A channel focused company with partners throughout the world.



Aloaha Software is worldwide used:

- by siav, ILOXX AG, LBS Nord AG, ABN Amro, OB 10, ECS, Price WaterhouseCoopers, Ingram Micro, Pitney Bowes, LG Electronics, German Federal Chamber of Physicians, Chamber of Physicians North Rhine, Captaris, Northwest Lotto und Toto, WesternUnion, Woodforest National Bank, Accenture, various local councils, banks,
- **Integrated in**
software for lawyers, health professionals,
document managing systems, call center applications ...

