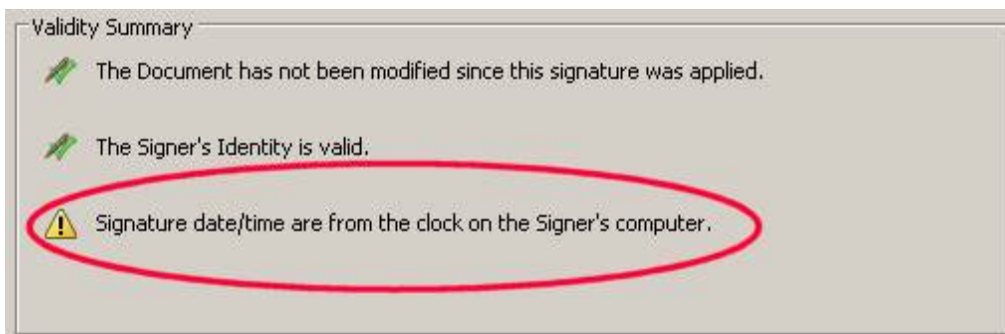


## Aloaha time stamping

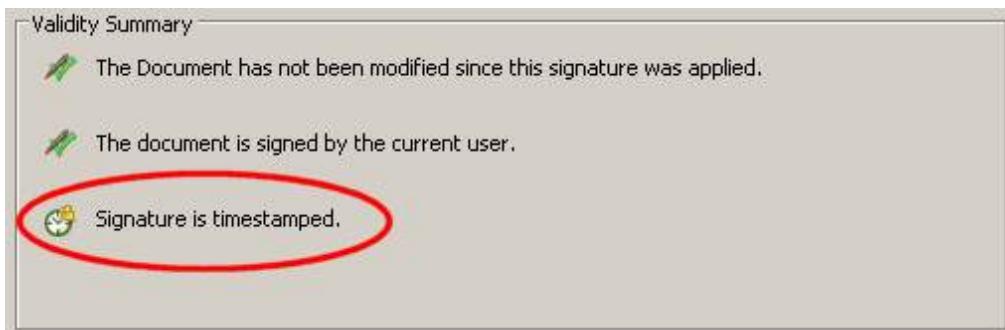
Digital certificates expire after some period of time, such as one year, and a document signed with an expired key should not be accepted. However, there are many cases where it is necessary for signed documents to be regarded as legally valid for much longer than the certificate validity; long-term leases and contracts are examples. By registering the contract with a digital time-stamping authority (TSA) at the time it is signed, the signature can be validated even after the key expires.

If all parties to the contract keep a copy of the time-stamp, each can prove that the contract was signed with valid keys. Very important is the fact that the time-stamp can prove the validity of a contract even if a signer's key gets compromised at some point after the contract was signed.

Aloaha signed documents can be validated with the free Adobe Reader. It shows right away if the signature time of the document has been validated by a time-stamping authority.



Normal signed PDF Document above, time stamped document below



## Configure Aloaha time stamping

All signature capable Aloaha Tools are able to time stamp the digital signature. To enable this feature some keys have to be created in the registry.

- enableTSA - defines if time stamping should be enabled or disabled
- TSAURL - contains the URL and some TSA Settings (encrypted)
- TSACert – contains the name of the Certificate to be used for authentication (optional)
- TSAUserName – Server Username (optional)
- TSAPassword – Server Password (optional)

For evaluation purposes Aloaha includes a local TSA. To enable Aloaha to use its own internal TSA please add the following keys to the registry:  
(Download a registry patch from <http://www.aloaha.com/download/localTSA.zip>)

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Aloaha\TSA]
"enableTSA"=dword:00000001
"RSAURL"="MIGUBgkrBgEEAYI3WA0ggYYwgYMGCi sGAQQBgjdYAw
GgdTBZAgMCAAECAMYOAgIAgAQAAAAAAAAAAAAAAAAAAAA
AAAAAAAAQQLpLAN1HrNwfrQijeq1wubgRAWu3GF53Kh0
U70Y1syU1Bd0MFsqw7iNrvu70fvrvvt6BqAijjVLKWT
6S+01tCbv1HmP0ZfvfH1w80/x8R1YLxVUw=="
```

