

RFC 3161 Trusted Timestamping Services



Long Term Signature Validation

GlobalSign's Trusted Timestamping Service provides a low cost and easy method to apply RFC 3161 trusted timestamps to time-sensitive transactions through independently verified and auditable data and UTC sources.

Timestamping services help organizations reduce the potential liability associated with time-sensitive transactions by providing a long term validation and non-repudiation of the time and date a transaction took place, using standards-based implementation that is easily recognizable and compatible.

Adding trusted timestamps allows organizations to:

- Add value to digitally signed or electronically signed documents
- Protect Intellectual Property
- Provide strong legal auditable evidence

Add Value to Electronic or Digital Signatures

Electronic signatures are deemed adequate for authentication of the author for many organizations and use cases. Adding a trusted timestamp provides a digital seal of data integrity and a trusted date and time of when the transaction took place.

Whether your organization uses electronic signatures for internal workflow processes or has developed trusted relationships with other organizations, GlobalSign's Timestamping Service can add significant value to your electronic signatures.

Recipients of documents with a trusted timestamp can verify when the document was digitally or electronically signed, as well as verify that the document was not altered after the date the timestamp vouches for.

FEATURES

- **QUICK AND EASY TO SET-UP WITH NO TECHNICAL EXPERTISE REQUIRED**
Simply incorporate TSA URL into your signing application
- **RECOGNIZED AND COMPATIBLE WITH VARIOUS APPLICATIONS**
Signatures are standard-based RFC 3161 compliant and already compatible with the most common systems and applications, including Microsoft and Adobe Acrobat
- **SAAS-BASED TIMESTAMPING MODEL**
GlobalSign manages all maintenance, security and audits 24 x 7
- **DOCUMENT/DATA INTEGRITY**
Timestamps include proof of data's existence within an exact point of time resulting in strong legal evidence
- **STANDARDS-BASED IMPLEMENTATION**
GlobalSign timestamps use standard-based implementation known as RFC 3161 with strong 256-bit hash algorithm

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GlobalSign
Timestamping Services >>

Trusted Timestamps for Code

Many enterprises which are developing internal code are also implementing stronger processes around how code is checked in, verified as malware free and implemented. Part of the verification process can involve hundreds to thousands of dll, executable and CAB files that when run will produce signature validation long after the digital signature of the publisher expires.

Adding trusted timestamps to internal code that has been digitally signed with a self-signed code signing certificate provides enterprises with a timestamping service that is compliant with RFC 3161 to verify code long after the certificate expires.

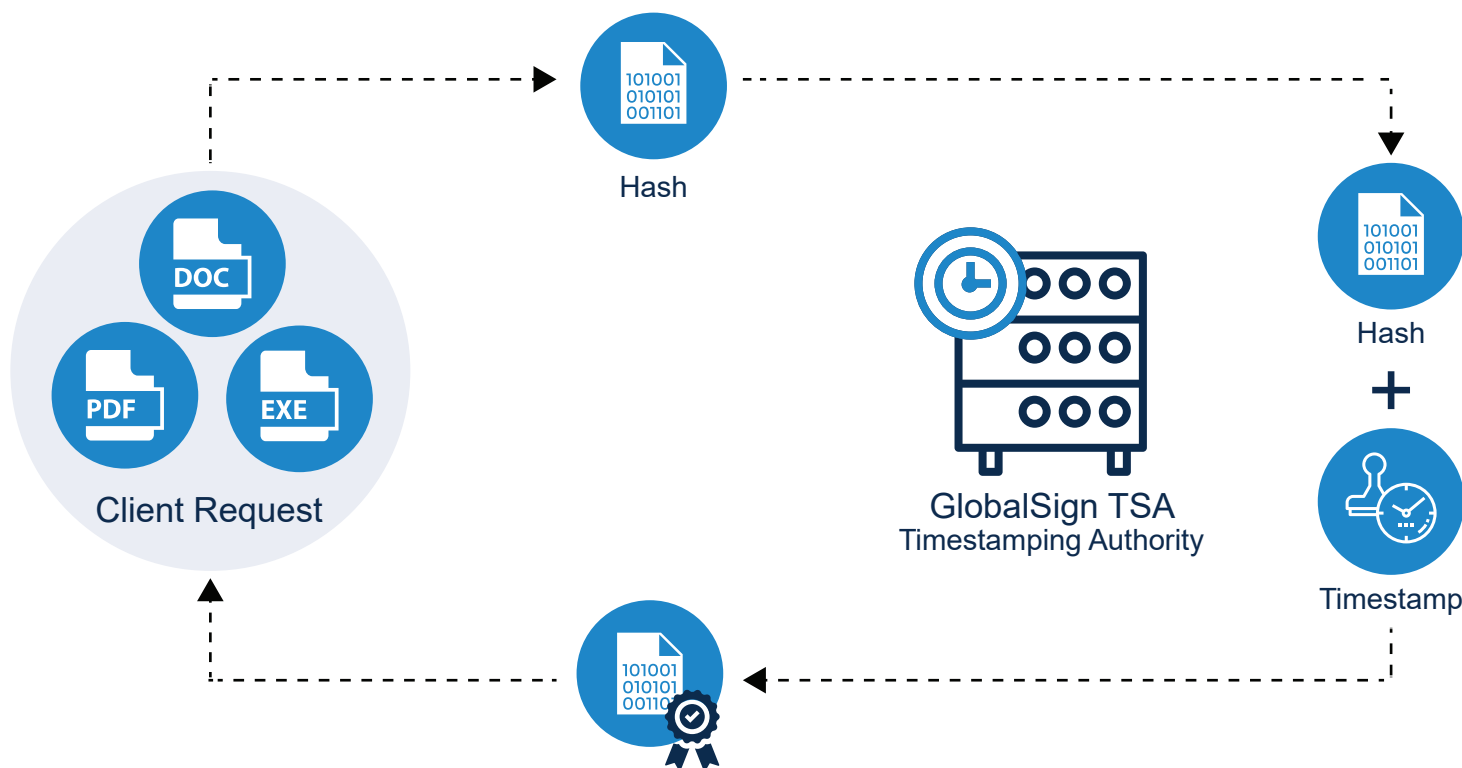
How GlobalSign's Timestamping Service Works

01

Implement GlobalSign timestamping URL into the client application. The client connects to GlobalSign's Timestamping Authority (TSA) service and a hash is created.

02

GlobalSign TSA combines the hash and trusted timestamp. The result is digitally signed with its private key, creating a timestamp token which is sent back to the client.



03

The client application receives the timestamp token, which is recorded within the document or code signature.

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About GlobalSign

GlobalSign is the leading provider of trusted identity and security solutions enabling businesses, large enterprises, cloud service providers and IoT innovators around the world to secure online communications, manage millions of verified digital identities and automate authentication and encryption. Its high-scale Public Key Infrastructure (PKI) and identity solutions support the billions of services, devices, people and things comprising the Internet of Everything (IoE).

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