

OpenTimestamps

An Open Source standard which allows complete independence in data certification



Eternity Wall contributed in the development and uses a public and free protocol called OpenTimestamps. This protocol allows complete independence in data certification. There exist libraries and implementations that allow an easy use, the Open Source code guarantees the verification by the sector experts.

Other benefits of OpenTimestamp are:

- The protocol allows the independent verification of the timestamps by the users without any external intervention
- Data can be aggregated making the protocol scalable accordingly to the requirements
- Exercise costs are lower and are not tied to the volume of the required timestamps
- Privacy is guaranteed: the certified data remain to the client, the server receives only the fingerprint of the file, from which is impossible to obtain the original document
- No lock-in: OpenTimestamps is offered by different companies, the sources of the server are publicly available

Authenticated API

Eternity Wall offers an authenticated API with the same interface of the public one. Compared to public infrastructure it offers the following advantages:

- Chance to define service-level agreement
 - API response times
 - Defined writing times on the Blockchain
- Access via hash of the document, the client does not have to save the partial receipt
- New anchorage mechanisms (e.g. different Blockchains) added server side are acquired by the caller without client-side changes.
- Chance to be notified when the receipts are ready
- Chance to verify the timestamping without the Blockchain, trusting the service provider
- Chance to use the service without integrating the libraries

