Goal and Objective of the FutureTrust Preservation Service

An important long-term goal and objective for the Preservation Service is that it is suitable to support the fulfilment of the requirements of Article 34 of (2014/910/EU), which states that “a qualified preservation service for qualified electronic signatures may only be provided by a qualified trust service provider that uses procedures and technologies capable of extending the trustworthiness of the qualified electronic signature beyond the technological validity period”.

The Preservation Service must ensure that electronic signatures and electronic seals can be validated over extended periods of time and do not lose their conclusiveness and probative value – irrespective of future technological changes. Such changes may in particular include the increase of computational power, the improvement of existing attacks or even the discovery of completely new attacks, which may imply that the applied cryptographic algorithms become weak and do not provide sufficient protection in the long-term perspective.

The FutureTrust Preservation Service will provide means for a Proof of Integrity and Proof of Existence of the provided Preservation Data Objects and possibly additional preservation goals such as the maintenance of the validity status of a digital signature or time assertion or of the confidentiality and availability of the preserved data and the traceability of actions for example.

System Overview and System Interfaces

The FutureTrust Preservation Service offers its services via the Preservation API, is managed via the Administration Interface and utilises a Validation Service, a Time Stamping Authority and optionally external storage services. Furthermore, there may be additional Adapter modules, which handle specific data formats and support the application integration via specific interfaces for example.
Overview of FutureTrust Preservation Service
Program Information
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