



IAIK-TSP

The Timestamp API (TSP-API) provides all needed functionality to develop a Timestamp Server or Client. With the `TspClientSocket` which extends the `java.net.Socket` and the `TspSSLClientSocket` which extends the `iaik.security.ssl.SSLSocket` it is very easy to connect to a RFC 3161 compliant TSP Server. Once you are connected you can send a request and receive the corresponding response within one method invocation.

Feature List

- Implemented entirely in the Java™ language guaranteeing cross platform portability
- Works on all JDK Versions 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7 and compatible
- Implementation of the time stamp protocol (IETF RFC-3161)
- SigningCertificateV2 and ESSCertIDv2 support according to IETF RFC-5816
- Encoding and decoding of time stamp requests
- Encoding and decoding of time stamp responses and accessing the contained information
- Verifying digital signatures of time stamp tokens
- All data types which are defined as ASN.1 structures in the RFC 3161 are implemented as separate classes with full control and access for the developer
- Implementation of TCP/IP, SSL and HTTP-based TSP clients
- Sample code of a TCP/IP, SSL and HTTP-based TSP server

Additional Benefits

- Cryptographic Provider Independence:
 - Can be used with any JCA/JCE 1.2 (or later) compliant cryptography provider
 - Can use several different cryptography providers at the same time
- Delivered with the IAIK-JCE provider by default
- Provisions for easy integration of smartcards and other secure hardware devices