

Time Stamp Appliance

Manage multiple time-stamping needs and reduce maintenance

The PrimeKey Time Stamp Appliance is a Time-Stamping Authority in-a-box that combines SignServer Enterprise (PrimeKey's digital signing solution) with a secure technology stack and enterprise-grade hardware, including a Hardware Security Module (HSM).



Time Stamp Appliance

Computer programs and documents that are digitally signed with trusted time-stamps, play an important role in high-value transaction security, or whenever other sensitive business is conducted over the Internet. The trusted time-stamp proves that a contract, invoice, tax declaration, receipt or software was signed before a certain date and time. PrimeKey Time Stamp Appliance will efficiently assist you setting up the necessary Time-Stamping Authority (TSA) for creating your own trusted time-stamps.

Meets all your time-stamping needs

PrimeKey Time Stamp Appliance meets all your time stamping needs, including standard compliant RFC3161 time-stamps and MS Authenticode time-stamps. The PrimeKey Time Stamp Appliance is a Time-Stamping Authority in-a-box that combines SignServer Enterprise (PrimeKey's digital signing solution) with a secure technology stack and enterprise-grade hardware, including a Hardware Security Module (HSM). A single deployment of the TSA gives you all the benefits of SignServer Enterprise, so that you can manage multiple time-stamping needs, reducing maintenance and significantly lowering costs.

Highest security while saving costs

The PrimeKey Time Stamp Appliance has a fixed price list, and the built-in HSM assures the highest level of protection for the time stamping keys. The centralised

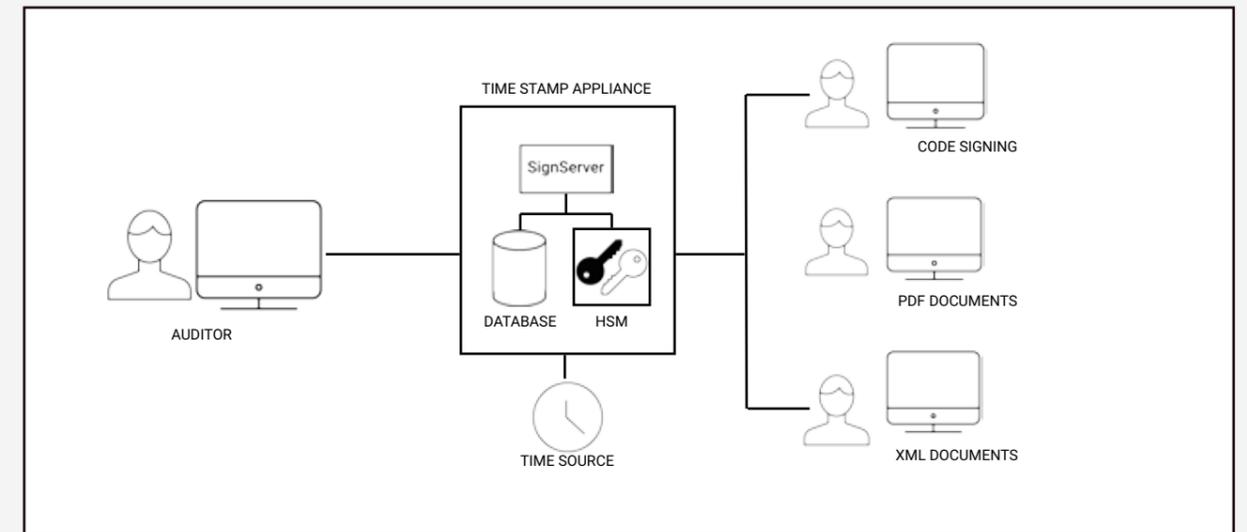
time-stamp solution model, means that you can manage different capabilities from a single location, while significantly reducing the risk of time-stamping keys being lost or stolen. Various needs can be controlled in different ways by optionally authenticating users of the service, allowing some users free access to time-stamps.

Policy and audit compliance

Maintaining trust in a time-stamping service is crucial, and both policy and audit requirements must be observed when running a Time-Stamping Authority. The PrimeKey Time Stamp Appliance is designed with audit compliance in mind, making it easy to achieve and enforce a strict audit record of each time-stamp produced, and easy to comply with international requirements such as ETSI TS 119422.

Highlights

- A TSA in-a-box combining SignServer Enterprise software with a secure technology stack and enterprise grade hardware.
- Easy management and maintenance by integrated backup/ restore and update functionalities.
- The out-of-the-box working solution reduces project risks and shortens implementation time.
- A Hardware Security Module (HSM) is included, providing you with the highest level of security.
- Fully compliant with standards and audits, making it easy to set up a Time-Stamping Authority.
- Has a fixed price list and enables you to save months of work and expenses.



Time Stamping Features

- MS Authenticode-compliant time-stamps
- Standard compliant RFC3161 time-stamps
- Leap second handling
- Configurable audit and transaction logging
- Archiving module for the central storage of all time-stamps
- Multiple time-stamp policies and signature algorithms
- Configurable NTP time sources and monitoring of time synchronisation
- Integrated Hardware Security Module protecting signing keys
- Multiple monitoring options such as healthcheck, SNMP, remote syslog shipping
- Both High performance with linear scalability and High Availability (HA), simply by adding multiple nodes
- Unified backup and restore procedures with smart card protection
- Integrated update mechanism
- Certificate-based authentication

Use Case Examples

- Long term validation of digital signatures for documents and software
- Time-stamping and signing of legally binding documents for eInvoicing, eGovernment, etc.
- Time-stamping and signing of digital receipts
- Time-stamping of lottery slips and other gambling data

About PrimeKey

PrimeKey Solutions AB is one of the world's leading companies for PKI solutions. PrimeKey has developed successful solutions, such as EJBCA Enterprise, SignServer Enterprise and PrimeKey PKI Appliance. PrimeKey is a pioneer in open source security software that provides businesses and organisations around the world with the ability to implement security solutions such as e-ID, e-Passports, authentication, digital signatures, unified digital identities and validation. PrimeKey has its head office in Stockholm, Sweden.

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