

SignServer Appliance by PrimeKey

Signing made
easy, wherever you
need it

PrimeKey SignServer Appliance provides a ready to use hardware and PrimeKey SignServer Enterprise software with an integrated HSM and a comprehensive management system. SignServer is a multi-purpose, server side, signing solution for documents, code, time-stamping and travel documents.



SignServer Appliance

Signing made easy

Server-side digital signatures give maximum control and security and PrimeKey SignServer Appliance offers the easiest and most efficient deployment without the hassle of complex installation and integration procedures.

Multi-purpose signing solution

PrimeKey SignServer is a server-side signing solution that enables you to centralize all your cryptographic signing operations and with that increase control, auditability and implement more cost-efficient administration. Being a multi-purpose platform, PrimeKey's SignServer brings extensive support for several signing use cases including; documents, code, time-stamps and travel documents.

With the SignServer hardware appliance, you choose from different models representing the signing use case you need. An integrated FIPS 140-2 Level 3 Certified Hardware Security Module (HSM) is included to keep all cryptographic keys secure. The models also come with different performance capacity.

Easy management and powerful hardware

Easy and effective management is the key to a secure and reliable PKI signing deployment. PrimeKey SignServer Appliance offers a web-based interface including all functions needed for an easy deployment and effective operation. In addition, a reliable and

performant hardware is essential for the operation of critical systems. PrimeKey SignServer Appliance is based on enterprise grade server components including, but not limited to, ECC protected RAM memory, redundant high performance SSD drives and a redundant power supply.

Designed for scalability, flexibility, and integration

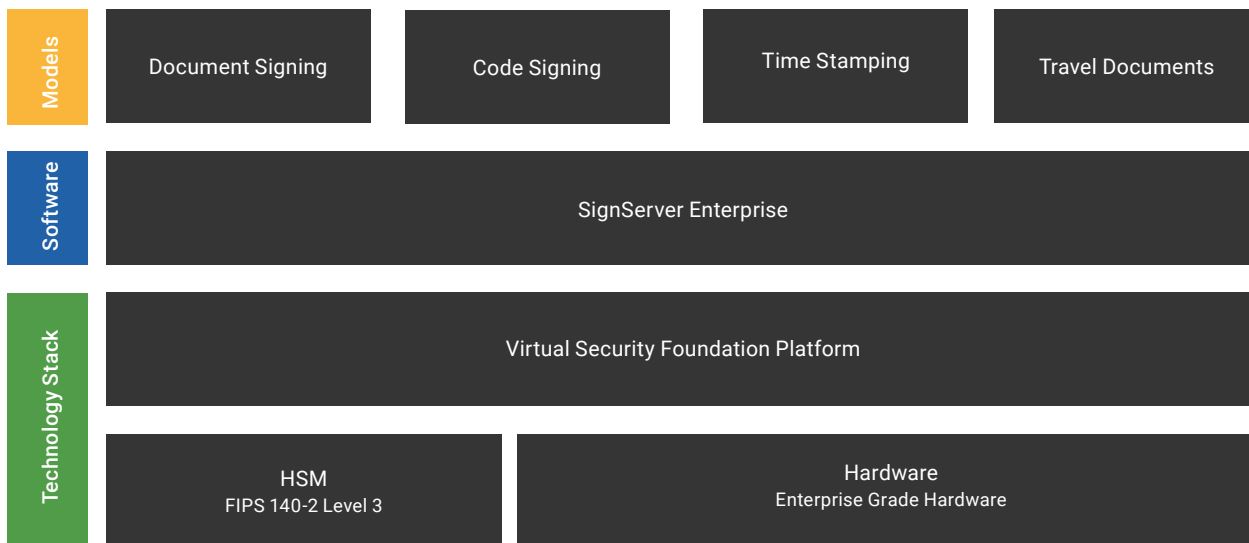
To maximize availability and performance, multiple SignServer Appliances should be deployed in combination with a load balancer.

PrimeKey SignServer combines extensive support for signing formats with flexible integration possibilities. Several development APIs and clients are available for business applications, build systems and web portals to integrate directly into SignServer.

For control and follow-up, who has signed what, proper end-user identification and authentication is a must. With SignServer you can deploy one of the out-of-the box authentication options or integrate your existing authentication solution.

Your options to Comprehensive support

	Standard Support	Premium Support	Hardware Plus
Support via Jira portal, email, phone	8/5	24/7	24/7
Updates and patches	✓	✓	✓
Guaranteed response time	✓	✓	Upfront
RMA handling	5 days return	5 days return	Upfront



Technology Stack

PrimeKey Appliance Platform comes with a modularized and flexible software stack. PrimeKey Security Foundation Platform (SFP) includes a hardened Linux OS and all application components are operated as virtual machines which allows for maximum flexibility in the system and simplified procedures for updates or backups.

A dedicated Virtual Gateway (VGW) handles all incoming requests. Central control with a VGW and separation of virtual networks maximizes the security also allowing tight control of the data flow between the interacting software components.

An HSM abstraction layer hides the complexity of the underlying technology and simplifies the integration of software components that require access to the secure hardware.

Use Case formats

Document Signing

- PDF (ISO 32000)
- XAdES-BES
- XAdES-T
- XMLdSig
- CMS/PKCS#7
- Plain (PKCS#1 etc.)

Code Signing

- Microsoft Authenticode
 - Portable Executable (PE)
 - Windows Installer (MSI)
- JAR signing
- PKCS#1
- CMS/ PKCS#7

Time-stamping

- RFC#3161
- RFC#5816
- Microsoft Authenticode
- ETSI EN 319 422
- ETSI EN 319 421

Travel document Signing

- ICAO LDS 1.8

Detailed information about SignServer use cases and hardware appliance models is available at doc.primekey.com

About PrimeKey

PrimeKey is one of the world's leading PKI solutions providers and has developed a number of innovative products, including EJBCA Enterprise, SignServer Enterprise, EJBCA Appliance, PrimeKey SEE, and Identity Authority Manager. As a pioneer in open-source security software, PrimeKey provides global businesses and organizations the ability to implement vital security solutions, such as e-ID, e-Passports, authentication, digital signatures, unified digital identities, and validation. PrimeKey products are Common Criteria and FIPS-certified, the company's internal processes are ISO 9001, 14001, and 27001 certified, and it has numerous Webtrust/ETSI and eIDAS-audited installations.

PrimeKey has offices in Stockholm, Sweden; Aachen, Germany; San Mateo, USA; and Melbourne, Australia. Together with a global network of technology and reselling partners, the company supports a customer roster that

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