

# EJBCA Appliance by PrimeKey

## A complete feature set to operate a full-blown, highly available **Public Key Infrastructure**

With PrimeKey EJBCA Appliance, you will get your PKI projects done in time and on budget. PrimeKey's purpose-built PKI hardware appliance is the all-in-one solution for a Public Key Infrastructure with built-in high availability and reliability functionality. It provides a ready to use EJBCA Enterprise with an integrated Hardware Security Module (HSM) and a comprehensive management interface.



# EJBCA Appliance

## Turn-key PKI solution

PrimeKey EJBCA Appliance offers the easiest and most efficient way to deploy an enterprise PKI system without the hassle of complex installation and integration procedures.

### Turn-key PKI hardware and software solution

PrimeKey EJBCA Appliance brings all components needed to successfully deploy and operate a full-blown Public Key Infrastructure (PKI). It includes a complete Certificate Management System, with unlimited number of Certification Authorities (CAs) and/or subordinate CAs, Registration Authority (RA) and a Validation Authority (VA). An integrated FIPS 140-2 Level 3 Certified HSM brings enterprise-grade security keeping all cryptographic keys secure.

Depending on the requirements, PrimeKey offers five hardware appliance models to address different needs. They range from an XS model that is designed to operate as a dedicated root CA to an XL that is suited for extremely large PKI deployments. The models in-between offers variation in the number of certificates and the performance that they can manage. Additionally, the VA and RA can be purchased as separate models. Therefore, PrimeKey EJBCA Appliance is a perfect fit for any PKI deployment.

### Easy Management and Powerful Hardware

Easy and effective management is the key to a secure and reliable PKI deployment. EJBCA 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 EJBCA 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.

### High availability in a few clicks

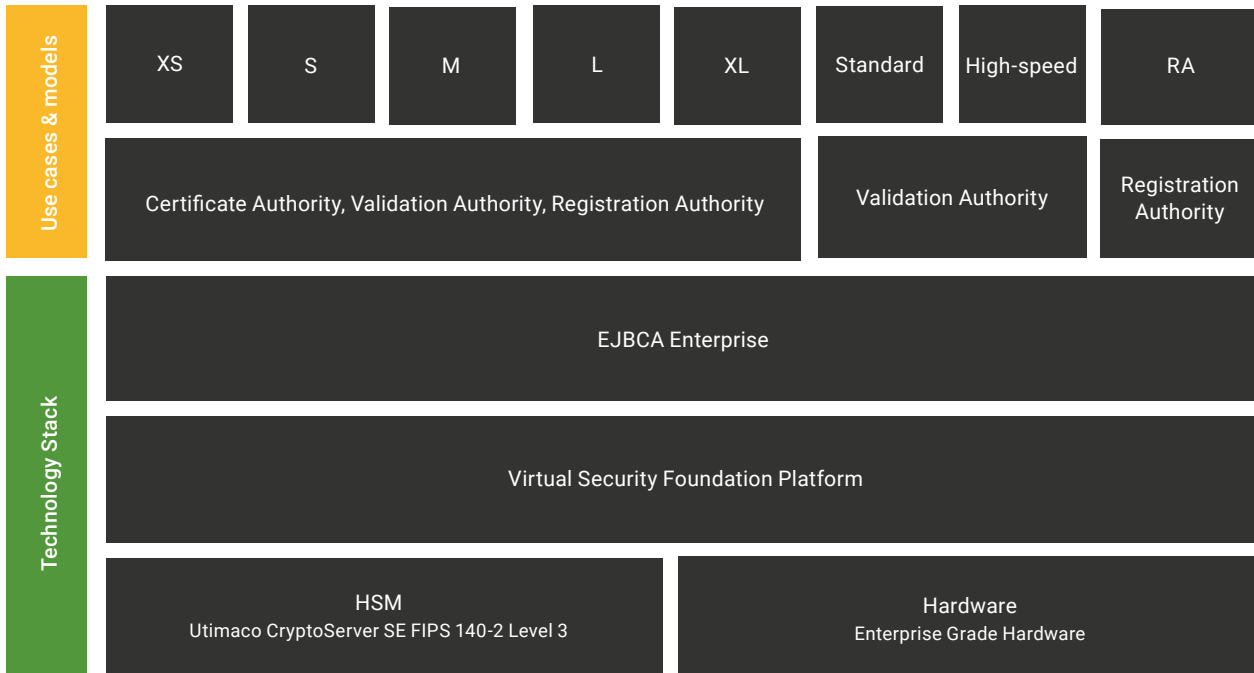
It can be difficult to setup and tricky to maintain high availability set-ups of a PKI – but with EJBCA Appliance it takes just a few clicks. The built in Master-Master database replication provides an easy way to run your PKI in a multiple-node installation, satisfying the highest demands on availability and when combined with a load balancer you get a load-sharing setup at the same time.

### Open and easy to use integration interfaces

A PKI often serves different applications with certificates; VPN, IoT, device management systems, etc. PrimeKey's hardware appliance platform offers easy and efficient ways for partners and customers to integrate with the EJBCA Appliance environment for automation, simplifying deployment and reducing costs.

## Your options to Comprehensive support

	Standard Support	Premium Support	Hardware Plus
Support via PrimeKey's support portal, email, phone	8/5	24/7	24/7
Updates and patches	✓	✓	✓
Guaranteed response time	✓	✓	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.

## Hardware appliance models\*

	XS	S	M	L	XL
Certificate capacity up to	1 K	1 M	15 M	60 M	160 M
Issuance performance	Low	Low	Standard	High	High
Clustering option	-	✓	✓	✓	✓
Certificate Validation	CRL	CRL & OCSP	CRL & OCSP	CRL & OCSP	CRL & OCSP
Support for dedicated CA, VA, RA nodes	-	Via Peer Systems	Via Peer Systems	Via Peer Systems	Via Peer Systems

\*Detailed EJBCA Appliance model comparison, including VA and RA, is available at [doc.primekey.com](http://doc.primekey.com)

## About PrimeKey

PrimeKey is one of the world's leading PKI and signing 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 includes industry-leading companies and institutions across the IT, telecommunications, industry, finance and public sectors.

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