PKI Appliance
by PrimeKey

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

With PrimeKey PKI Appliance you will get your PKI projects done in time and on budget. PrimeKey's purpose-built PKI 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.

PrimeKey

PKI Appliance
Security and simplicity

PrimeKey PKI 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 Solution
PrimeKey PKI 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 three different PKI Appliance models to address different needs. The Small model is designed to operate as a dedicated root CA or operate low volume PKIs, the Large model is designed for very large installations and managed environments and Medium is in-between. Therefore PrimeKey PKI Appliance is a perfect fit for most PKI deployments.

Easy Management and Powerful Hardware
Easy and effective management is the key to a secure and reliable PKI deployment. PrimeKey PKI 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 PKI 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.
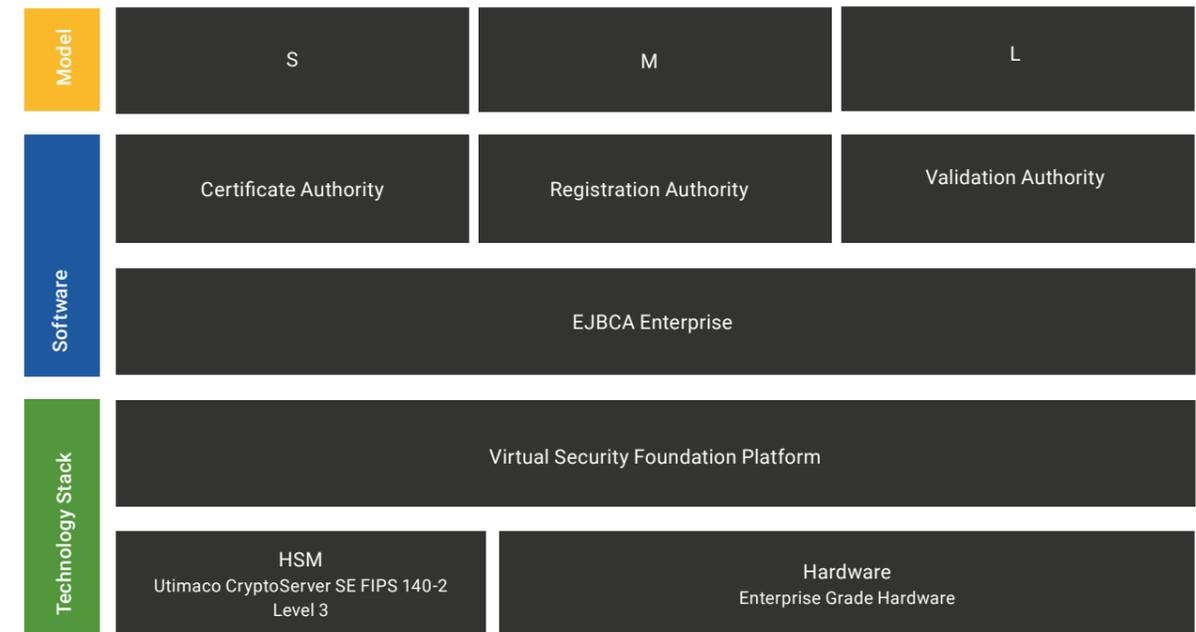
High Availability in a few clicks
It can be difficult to setup and tricky to maintain high availability set-ups of a PKI – but with PrimeKey's PKI Appliance it takes just a few clicks. The built in Master-Master database replication provides an easy way to run your PKI in a multiple-node installation, 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, Mail Gateways, Card Management Systems, Device Management systems, etc. PrimeKey's Appliance platform offers easy and efficient ways for partners and customers to integrate towards the PKI Appliance environment for automation, simplifying deployment and reducing costs.

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

Model			
	S	M	L

Software			
	Certificate Authority	Registration Authority	Validation Authority
	EJBCA Enterprise		

Technology Stack		
Virtual Security Foundation Platform		
HSM Utimaco CryptoServer SE FIPS 140-2 Level 3	Hardware Enterprise Grade Hardware	

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
models

	Model S	Model M	Model L
Certificate capacity	<100	8 Mill	20 Mill
Issuance performance	Low	High	High
Clustering option	-	2 & 3 node	2 & 3 node
Certificate Validation	CRL	CRL & OCSP	CRL & OCSP
Support for dedicated CA, VA, RA nodes	-	Via Peer Systems	Via Peer Systems

Detailed model comparison is available at www.primekey.com

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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