

EJBCA Appliance eIDAS by PrimeKey

Complete eIDAS Public Key Infrastructure solution for modern Trust Service Providers

With PrimeKey EJBCA Appliance eIDAS edition, you get a complete feature set to operate a full-blown eIDAS compliant Public Key Infrastructure (PKI). PrimeKey's purpose-built PKI hardware appliance is the all-in-one solution, with built-in high availability and reliability functionality. It provides a ready to use EJBCA Enterprise and an integrated Common Criteria certified Hardware Security Module (HSM).



EJBCA Appliance eIDAS edition Security & compliance

PrimeKey EJBCA Appliance eIDAS edition provides a solid and long lasting solution for modern eIDAS Trust Service Providers.

Turn-key eIDAS PKI hardware and software solution

PrimeKey EJBCA Appliance eIDAS edition 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 Authorities (RAs) and a Validation Authority (VA) including OCSP and CRL. The EJBCA Appliance eIDAS edition is leveraging the comprehensive PrimeKey Hardware Appliance platform and integrates a Common Criteria PP5 certified Hardware Security Module (HSM).

eIDAS Qualified Trust Service Providers (QTSP)

The eIDAS regulation has created an internal market area for trust services within Europe. PrimeKey's PKI solution reduces the complexity of becoming an eIDAS compliant QTSP. PrimeKey EJBCA Appliance eIDAS edition provides electronic certificate issuance, registration and validation services within the eIDAS context and is a proven solution to cost-efficiently establish core TSP capabilities.

Operation of critical systems

Easy and effective management is the key to a secure and reliable PKI deployment. EJBCA Appliance eIDAS edition leverages the standard EJBCA Appliance concepts and hardware platform. It offers the same web-based interface, including all functions needed for an easy deployment and effective operation as well as the reliable and performant hardware platform.

It can be difficult to setup and tricky to maintain high availability setups of a PKI – but with EJBCA Appliance models, 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.

Open and easy to use integration interfaces

A PKI often serves different applications with certificates. PrimeKey's hardware appliance platform offers easy and efficient ways for partners and customers to integrate with the EJBCA Appliance eIDAS edition 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 reaction time	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.

Hardware appliance model*

	M
Certificate capacity up to	15 M
Issuance performance	Standard
Clustering option	✓
Certificate Validation	CRL & OCSP
Support for dedicated CA, VA, RA nodes	Via Peer Systems

*Detailed model specification for Hardware Appliance eIDAS edition is available at 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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