End to end PKI and Certificate Management

Public key infrastructure (PKI) is critical to protect sensitive data and secure connections across today's enterprise networks. However, as organizations deploy thousands of keys and certificates from a mix of internal, public and cloud-native certificate authorities (CAs), the task to manage and protect these identities becomes much more complex.

Enterprises today have thousands of keys and digital certificates issued from multiple CAs in their infrastructure. At this scale, security teams find it increasingly difficult to ensure that every certificate is trusted, compliant, and up to date. A lack of centralized visibility and control results in outages that routinely disrupt operations and create unnecessary risk.

Keyfactor and PrimeKey provide a proven blueprint for today's highly scalable PKI and certificate deployments. Keyfactor's certificate lifecycle management solution combined with PrimeKey's

powerful PKI backend makes it easy for security teams to handle high-volume issuance and management of certificates in complex, multi-cloud environments.

The Keyfactor platform integrates with PrimeKey EJBCA Enterprise to provide continuous monitoring, automated workflows, and policy enforcement for all issued certificates. The joint solution means our customers are well-positioned to improve overall security and reduce the hassle involved in using a patchwork of spreadsheets, disparate tools, and CA interfaces to manage certificate operations.

KEYFACTOR

PrimeKey®

EJBCA Enterprise is a robust and scalable PKI solution that supports multiple CAs and levels of CAs from within a single instance. With built-in support for various certificate templates, protocols, DevOps and IoT integrations, EJBCA is the de-facto choice for enterprises that need to scale beyond the limitations of legacy CA software.

Using an API-based gateway, Keyfactor integrates with EJBCA to inventory and manage the lifecycle of certificates – from enrollment, renewal, and revocation, to provisioning them to cloud and network endpoints. Identity-based access controls, security policies, and comprehensive logging of all user and certificate-related actions also makes it easy to audit and maintain compliance.

By bringing all cryptographic identities into a single platform solution, security teams get simple and intuitive oversight of their PKI operations while providing self-service access to certificates for DevOps and network admins. Keyfactor and EJBCA also allow teams to rapidly re-issue and replace certificates at scale in response to unexpected incidents, such as a compromised CA or algorithm. As well as migrating CAs into a single installation for secure and cost-efficient operations.

Benefits

Gain complete visibility via network discovery, certificate and key store plug-ins, and automated inventory of multiple internal and external CAs.

Continuously monitor issuance, usage and lifecycle of keys and certificates.

Automate certificate operations from zero-touch provisioning to automated re-issuance and renewal.

Identify and remediate risks with an easily searchable certificate inventory and one-click revocation.

Enforce consistent policies via configurable approval workflows, self-service interfaces, and detailed and signed audit logging.

Extend certificate orchestration with extensive integrations to external key vaults, service mesh, cloud and mobile platforms.
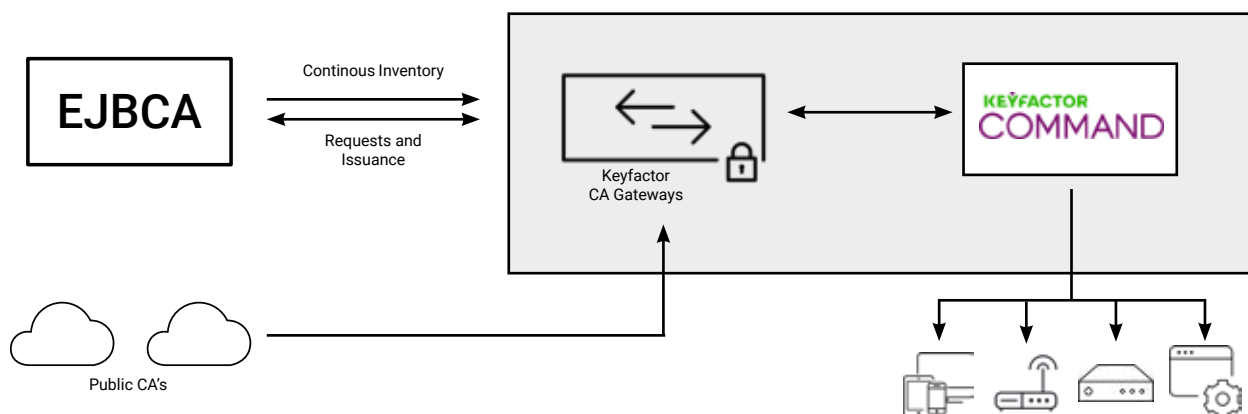
About Keyfactor
Keyfactor is the market leader for cryptographic identity management. Powered by an award-winning PKI as-a-Service platform for certificate lifecycle automation and IoT device security, we enable enterprises and device manufacturers alike to manage and protect digital identities at the speed and scale of their business. More than 500+ global customers trust Keyfactor to protect their company from breaches, outages and failed audits caused by mismanaged cryptography.

About PrimeKey
PrimeKey is one of the world's leading companies for PKI and digital signing solutions. Deployed as software, appliance or cloud, our products EJBCA and SignServer deliver the capability to implement an enterprise grade PKI system ready to support solutions such as IoT, e-ID, e-Passports, authentication, digital signatures, code signing, digital identities, and validation; all solutions where digital certificates would be a main enabler.

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