PKI as a Service (PKIaaS)

A highly secure PKI that's quick to deploy, scales on-demand, and runs where you do business

HIGHLIGHTS

Highly secure, highly available PKI designed for turnkey operation

- Simplifies deployment and migration by providing pre-built solutions that are ready to deploy with the click of a button

- Supports the new generation of on-premises Certificate Enrollment Gateway modules from Entrust – ideal for large and medium organizations that value simplicity and rapid deployment

- Allows you to scale on-demand and drive capacity, while maintaining simplicity by reducing the need for on-site services, applications, and software

- Applies 25+ years of Entrust PKI innovation and technology to a hybrid cloud computing model

Entrust PKIaaS works through cloud-based API interfaces, allowing you to focus on deploying and managing your certificates without the burden of managing the data center, hardware security module (HSM), and certificate authority (CA) components of your PKI.

It supports several pre-defined use cases – such as Active Directory PKI Service and mobile device management (MDM) – through turnkey approaches, making it straightforward and simple to deploy.

KEY BENEFITS

- New CAs and certificate profiles for new use cases are provisioned in minutes

- CAs are dedicated and protected by Entrust nShield® HSMs running at FIPS 140-2 Level 3 in Tier III data centers

- High system availability

- Fully integrated with Entrust certificate management solutions: Entrust Certificate Services (hosted) and Certificate Hub (on-premises)

- Supported by the new Entrust Certificate Enrollment Gateway

- Supports surge rates with the ability to issue certificates at >10 certs/second per customer

- API-based interfaces for certificate issuance and certificate lifecycle management

- Full support for certificate status through CRL publication and OCSP

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PKI-as-a-Service (PKIaaS)

FEATURES

Scale: Modern use cases require more certificates and shorter life certificates. PKIaaS is a highly efficient cloud-based system that can scale with nearly limitless capacity. All with our experts at the operations helm.

Speed: The speed of business is changing. Your PKI needs to operate fast and run where you do business. PKIaaS deploys and expands within minutes, giving you a quick solution to secure your business use cases.

Simplicity: As deployments diversify and use cases grow in complexity, it creates management challenges. With our PKIaaS, Entrust manages the PKI so you don't have to. It's simple to deploy and adaptable, meaning it won't cause any bottlenecks.

Security: Maintaining your security posture matters. PKIaaS gives you the assurance you expect from Entrust, providing you with dedicated CAs and protecting your keys in our Tier III data centers, secured by Entrust nShield® HSMs running at FIPS 140-2 Level 3.

Certificate Issuance for Multiple Use Cases: Use of PKI is expanding rapidly. The average number of certificates an organization is managing grew 43 percent in the 2020 Global PKI and IoT Trends Study over the previous year's study, with enterprises using PKI certificates for more than eight use cases on average. As the business use for PKI is evolving, so must the approach to PKI infrastructure and management.

Entrust PKIaaS is designed to provide rapid provisioning of CAs that are preconfigured for your use case. Each customer receives their own dedicated root CA and subordinate CAs needed to support their use cases. Entrust works to assure that the configurations, such as certificate extensions and key usage, are preselected to meet your use case's needs to create turnkey solutions that you can immediately use. Configuration specifics, such as supported certificate formats, are always defined in the published Certificate Practice Statement (CPS).