



ENTRUST

Public key infrastructure (PKI) scoping study

Plan your enterprise PKI implementation or upgrade

HIGHLIGHTS

- Expert analysis of your requirements, desires, constraints and priorities defines a cost-effective and practical approach for implementation or upgrading of your PKI
- Decades of experience with PKIs enables Entrust to deliver well considered options and recommendations for PKI design, policy and governance, and an implementation roadmap to meet your security and business needs
- Enhanced security through designing in Entrust hardware security modules (HSMs), proven over thousands of units deployed globally

Many organizations use public key infrastructure (PKI) to provide digital certificates to secure critical business assets. PKI is used for a wide variety of purposes such as authentication, digital signing and encryption.

Reliance on enterprise PKI typically increases over time, often expands beyond the purposes for which it was originally created, and new requirements for PKI emerge. It is important that the PKI can provide the level of assurance needed to match its crucial security role, and that it is capable of supporting the current and expected future requirements of the organisation.

Upgrading enterprise PKI, or implementing new enterprise PKI, requires analysis of the use-cases, security requirements, systems compatibility, corporate plans and desires, and compliance requirements.

Embarking on a PKI project can be daunting due to the range of options and possibilities. The Entrust Professional Services (PS) team can help you determine the security, technical, and operational requirements, to plan your implementation or upgrade project.

PKI scoping study

Key features

an Entrust PS consultant will perform the following functions as a part of the PKI Scoping Study:

- Analyze your use cases for PKI
- Understand your PKI requirements, constraints, and your current enterprise PKI (if any)
- Assess the security risks to systems dependent on the PKI, and hence level of PKI security needed
- Analyze PKI transition requirements and options
- Recommend choices
- Develop a recommended high-level PKI design
- Create a roadmap for a PKI implementation project (or projects)

The PKI scoping study process

Prior to commencement of the study, Entrust will establish a mutual Non-Disclosure Agreement (NDA) to protect your information and Entrust's to allow detailed open discussion.

The PKI Scoping Study is undertaken in three phases.

Phase 1 - information gathering

The consultant will visit your site to gather information through meetings and workshops with your key stakeholders. This will be guided by Entrust's detailed questionnaires. Experience shows that this is more effective than providing questionnaires for organizations to complete in absence of discussions and explanations. Optionally, the

questionnaires may be provided in advance, then reviewed in detail with your team and the Entrust consultant in meetings together.

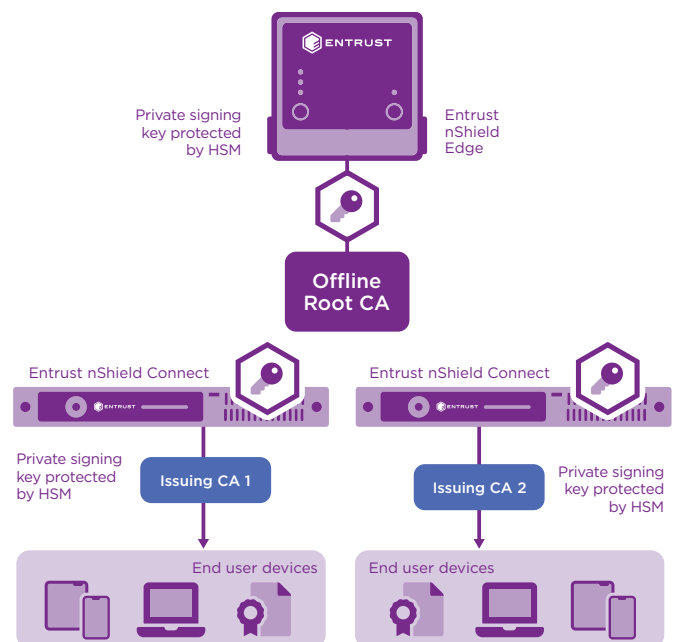
All information discovered during this phase will be included in the report that your consultant will provide you.

Phase 2 - analysis and reporting

The consultant will analyze the data collected during Phase 1, follow up with emails and phone calls for any needed clarification, then produce a report detailing:

- PKI use cases
- Current environments
- PKI requirements
- High-level PKI design and recommendations
- Implementation roadmap

The solution will be designed based on the most appropriate choice of PKI software and utilizing Entrust HSMs for private key protection.





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Phase 3 - management presentation

The consultant will present the findings of the scoping study in an onsite management presentation, then finalize the report taking any feedback into account.

Entrust HSMs

Entrust nShield® HSMs are among the highest-performing, most secure and easy-to-integrate HSM solutions available, facilitating regulatory compliance and delivering the highest levels of data and application security for enterprise, financial and government organizations.

Our unique Security World key management architecture provides strong, granular controls over access and usage of keys.

Learn more

To find out more about Entrust nShield HSMs visit entrust.com/HSM. To learn more about Entrust's digital security solutions for identities, access, communications and data visit entrust.com

To find out more about
Entrust nShield HSMs

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ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.

Learn more at
entrust.com/HSM

