

## Plan your enterprise PKI implementation or upgrade

- 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 nCipher Security 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 nCipher hardware security modules (HSMs), proven over thousands of units deployed globally

# Public Key Infrastructure scoping study



# PKI scoping study

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 nCipher Professional Services (PS) team can help you determine the security, technical, and operational requirements, to plan your implementation or upgrade project.

## KEY FEATURES

An nCipher 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, nCipher will establish a mutual Non-Disclosure Agreement (NDA) to protect your information and nCipher'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 nCipher'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 nCipher 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 nCipher HSMs for private key protection.

### Phase 3 – management presentation

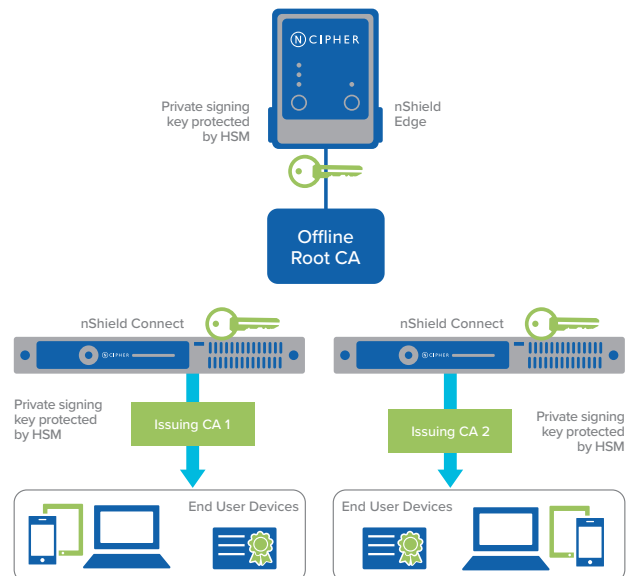
The consultant will present the findings of the scoping study in an onsite management presentation, then finalize the report taking any feedback into account.

## THE NCIPHER DIFFERENCE

In addition to addressing the technical properties of your PKI, the nCipher PKI Scoping Study also covers policy and governance aspects of managing and operating a PKI. Clear policy, repeatable management processes and robust governance are key parts of any successful PKI deployment and are areas which are often overlooked. nCipher consultants have a wealth of experience in managing, operating and deploying PKIs "at scale" and are well equipped to analyze and provide guidance in this crucial area.

## LEARN MORE

To find out more how nCipher Security can deliver trust, integrity and control to your business critical information and applications, visit [ncipher.com](http://ncipher.com)



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