



PUBLIC KEY INFRASTRUCTURE



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INTRODUCTION

Public Key Infrastructure (PKI) is combination of people, process and technology used to manage infrastructure for provisioning, distribution, revocation & management of digital certificates & their associated encryption keys. These digital certificates form the basis of trust and provide authentication and authorization for systems, applications, people, data & transactions by establishing a common root of trust by the certificate authority.

In present era of digital, IOT & cloud transformation, PKI plays an important part of establishing trust between various entities involved. The demand for PKI is growing rapidly as becomes an essential part of security in our digital world.

At Encryption Consulting, we have years of experience in consulting, designing, implementing & migrating PKI solutions for enterprises across the country. We have clients in the following industry sectors: banking, manufacturing, retail, energy, health and life science. Additionally the demand for PKI solutions has driven a shortage of specially trained people. We now provide enterprise customers on-site PKI training and certification classes.

PKI ESSENTIALS TRAINING

This module is designed for individuals and teams who want to start working on PKI technology. This training will cover the basic and essential part of PKI technology such as PKI concepts, high level architecture design, setup and configuration, use cases and PKI operations. This training module will help individuals and staff gain knowledge and confidence to manage all of the essential aspect of PKI technology.

PKI Essentials Training Delivers:

- ▶ PKI Concepts
- ▶ PKI Design and Architectures
- ▶ PKI Use Cases
- ▶ PKI Operations
- ▶ Lab Exercise

ENTERPRISE PKI DEPLOYMENT SERVICE

With enterprises adopting cloud and a customer digital journey, they experience a huge demand for digital certificates both for internal and external facing apps and systems. Most of the applications and systems rely heavily on the use of digital certificates for authentication and establishing trusted identities. As such organizations are implementing and expanding their PKI setup. Our skilled consultants can help your organizations better understand how best to approach their PKI and Digital certificates processes such as multi hierarchy PKI setup, configuring and creating different policies, designing CP & CPS, setting up an HSM, performing key ceremony, optimizing workflows and approval processes, and adding some level of automation.

Enterprise PKI Deployment Service Delivers:

- ▶ Assessment of existing infrastructures
- ▶ Various Migration options and selection of right fit option
- ▶ Migrations best practice
- ▶ Project planning
- ▶ Performing migration activities
- ▶ CP/CPS document development

ENTERPRISE PKI ASSESSMENT SERVICE

Organizations must constantly maintain, secure and enhance their PKI setup. This assures the organization has a fully functioning PKI setup to meet business demands now and in the future. It must be designed for utmost stability and security.

At Encryption Consulting we help our customers determine viability, sustainability, and security of their PKI operations to support both current digital certificate management processes and future demand growth for these services by new and existing subscribers.

The assessment report will consist of gaps & recommendations by performing a comparative study of the current and future state of your PKI, health status of the existing PKI setup, risks and challenges, establishing PKI best practice, validating your existing policies, workflows & approval processes and providing optimization recommendations.

Enterprise PKI Assessment Service provides:

- ▶ Gap Assessment in terms of people, process & technology
- ▶ Custom recommendations for improving health of PKI
- ▶ Risks and Best practice
- ▶ Establishing custom PKI roadmap for your organization
- ▶ CP/CPS document development



ABOUT ENCRYPTION CONSULTING

Encryption Consulting is a dedicated consulting firm that focuses on providing all the aspects of Encryption such as PKI, Hardware Security Module, Code-Signing, Enterprise key management, Transparent Data encryption, Element level format preserving encryption and Tokenization. At Encryption Consulting, we provide encryption services that help organizations to achieve the triad of Confidentiality, Integrity and Availability.

Get in touch now

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