PKI's for the Real World

Overview

Public Key Infrastructure is slowly becoming a reality in within the information age. The idea of adding identity to online capabilities brings a tremendous benefit, but also significantly increases the risk to both the individual and the business. This interactive presentation will bring to light the concept of the public key infrastructure from both a technical and business prospective. The basics of PKI will be discussed as well as the components involved in designing and deploying this type of infrastructure. Specific areas that will be addressed will include asymmetric encryption, digital certificates, digital signatures, certificate authorities, certificate revocation mechanisms, and the policies and procedures that are required to compliment the technological aspects of this type of infrastructure. Case studies of successful, and not so successful, PKI implementations will also be presented.

Syllabus

- o What are the business problems that a PKI attempts to address
- o What are the security problems that a PKI attempts to address
- o Asymmetric Encryption
- o Hashing Algorithms
- o Digital Certificates and Digital Signatures, What is the difference?
- o Overview of Certificate Authorities
- o Certification Revocation Solutions
- o Benefits of Public Key Infrastructure

Who Should Attend

- o Individuals who have the responsibility to define and secure information security architectures within the enterprise
- o Business executives who would like to understand the business impact of Public Key Infrastructures on their business
- o Information security auditors who are responsible for enterprise information security solutions
- o Anyone would like to gain insight into the technologies and concepts involved Public Key Infrastructure.

Prerequisites

- o Familiarity with basic information technologies, concepts, and techniques. No security background or technical background required.

Instructor

John P. Pironti is the President of IP Architects, LLC. He has designed and implemented enterprise wide electronic business solutions, information security and risk management strategy and programs, enterprise resiliency capabilities, and threat and vulnerability management solutions for key customers in a range of industries, including financial services, energy, government, hospitality, aerospace, healthcare, pharmaceuticals, media and entertainment, and information technology on a global scale. Mr. Pironti has a number of industry certifications including Certified in the Governance of Enterprise IT (CGEIT), Certified Information Systems Auditor (CISA), Certified Information Security Manager (CISM), Certified Information Systems Security Professional (CISSP), Certified in Risk and Information System Control (CRISC), Information Systems Security Architecture Professional and (ISSAP) and Information Systems Security Management Professional (ISSMP). He is also a published author and writer, highly quoted and often interviewed by global media, and an award winning frequent speaker on electronic business and information risk management and security topics at domestic and international industry conferences.