



PKI: Implementing & Managing E-Security (Rsa Press)

By Andrew Nash, Derek Brink, William Duane, Celia Joseph

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Written by the experts at RSA Security, this book will show you how to secure transactions and develop customer trust in e-commerce through the use of PKI technology. Part of the RSA Press Series.

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Editorial Review

Amazon.com Review

While strong encryption methods exist that offer plenty of security for commercial-level protection, issues such as identification, authorization, and reliable issuance of digital signatures require a broader set of standards. Public key infrastructure (PKI) is just such a framework, addressing all of the issues for complete solutions.

Authored by four RSA Security experts in the field, *PKI: Implementing and Managing E-Security* aims to explain the vulnerabilities of encryption in today's Internet-based business universe and lay out how the application of PKI can help. The authors frankly point out the areas where PKI is still immature in the real world and try to inspire their readers with their zeal to solve the remaining problems.

The book begins with an exploration of cryptography and, in particular, public key cryptography--the accepted approach for most of today's security systems. The text moves quickly into precise security terminology but makes excellent use of creative diagrams to illustrate configurations and scenarios. These diagrams often beg a bit of reflection since they are frequently used to point out vulnerabilities that may not be immediately apparent.

The heart of the book examines the management of keys and certificates, authentication, and the establishment of trust models. There are overviews of current technologies that implement PKI, but the focus of the book is to encourage readers to construct their own fully compliant solutions.

PKI: Implementing and Managing E-Security is not light reading. However, it serves double duty as both an overview of the sticky issues of securing information delivery over the Net as well as a comprehensive look at the scope of PKI for those considering a full-fledged solution for their extranets and e-commerce sites. --
Stephen W. Plain

Topics covered: Symmetric and asymmetric cryptography, hashes and digital signatures, digital certificates, PKI basics, PKI services, key and certificate life cycles, PKIX, protocols and formatting standards, trust models, authentication methods, deployment and operation, and return on investment calculations.

From the Inside Flap

Implement PKI technology and enable secure Web transactions.

Conduct online business safely by following the implementation techniques found inside this essential guide to PKI technology. Written by the experts at RSA security, this book provides comprehensive coverage of this emerging technology that uses digital certificates to secure Internet transactions. Beginning with an introduction to cryptography, this book explains the technology that creates a public-key infrastructure, and outlines the necessary steps for implementing PKI in both business-to-business and business-to-consumer environments. Also included is material on WAP, authorization systems, and cost of ownership, making this the most in-depth reference on PKI available.

This book will show you how to:

- * Understand basic principles of cryptographic systems
- * Learn how a public key infrastructure supplies security services for electronic commerce deployments

- * Get details on applicable standards ITU-X.500, IETF-PKIX, and WAP
- * Apply certificates for authentication, time stamping, and non-repudiation
- * Manage key and certificate life cycles within a public key infrastructure
- * Manage the PKIX architecture and the PKI protocols that allow interoperability between different vendor implementations
- * Understand how trust models can be used to establish relationships between organizations

Follow case studies to solve common problems encountered when implementing PKI.

From the Back Cover

Implement PKI technology and enable secure Web transactions

Conduct online business safely by following the implementation techniques found inside this essential guide to PKI technology. Written by the experts at RSA security, this book provides comprehensive coverage of this emerging technology that uses digital certificates to secure Internet transactions. Beginning with an introduction to cryptography, this book explains the technology that creates a public-key infrastructure, and outlines the necessary steps for implementing PKI in both business-to-business and business-to-consumer environments. Also included is material on WAP, authorization systems, and cost of ownership, making this the most in-depth reference on PKI available. This book will show you how to: Understand basic principles of cryptographic systems Learn how a public key infrastructure supplies security services for electronic commerce deployments Get details on applicable standards--ITU-X.500, IETF-PKIX, and WAP Apply certificates for authentication, time stamping, and non-repudiation Manage key and certificate life cycles within a public key infrastructure Manage the PKIX architecture and the PKI protocols that allow interoperability between different vendor implementations Understand how trust models can be used to establish relationships between organizations

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Users Review

From reader reviews:

John Masterson:

Nowadays reading books be a little more than want or need but also become a life style. This reading behavior give you lot of advantages. The benefits you got of course the knowledge your information inside the book that will improve your knowledge and information. The information you get based on what kind of reserve you read, if you want attract knowledge just go with schooling books but if you want truly feel happy read one along with theme for entertaining for example comic or novel. The particular PKI: Implementing & Managing E-Security (Rsa Press) is kind of book which is giving the reader erratic experience.

Sheryl Vaughan:

The actual book PKI: Implementing & Managing E-Security (Rsa Press) has a lot of information on it. So when you read this book you can get a lot of gain. The book was compiled by the very famous author. The writer makes some research just before write this book. This book very easy to read you may get the point easily after reading this book.

Bernard Davisson:

This PKI: Implementing & Managing E-Security (Rsa Press) is completely new way for you who has curiosity to look for some information given it relief your hunger associated with. Getting deeper you on it getting knowledge more you know or perhaps you who still having bit of digest in reading this PKI: Implementing & Managing E-Security (Rsa Press) can be the light food for you because the information inside this book is easy to get through anyone. These books produce itself in the form which can be reachable by anyone, that's why I mean in the e-book application form. People who think that in guide form make them feel sleepy even dizzy this guide is the answer. So you cannot find any in reading a e-book especially this one. You can find what you are looking for. It should be here for anyone. So , don't miss that! Just read this e-book kind for your better life and knowledge.

Trent Gibson:

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