

Providing a customized solution for a trusted security infrastructure



IBM Security and Privacy Services

for public key infrastructures

Highlights

Builds an understanding of your PKI requirements through in-depth analysis

Shapes a PKI strategic plan to complement your e-business strategy

Designs a reliable PKI architecture to support your business environment

Provides end-to-end expertise to help apply PKI technology to your business

Establishing a comprehensive security solution

High-value business conducted over the Internet requires a security infrastructure that is able to preserve the integrity of the commitment and protect the parties involved. Public key infrastructure (PKI) technology has emerged as the principal security component for e-business, providing nonrepudiation capability in addition to confidentiality, authentication and data integrity. However, integrating it into a business environment is complex, time-consuming and costly. Before committing to PKI, businesses want to be sure that the technology fits into their e-business strategy and that the integration process is as efficient as possible.

IBM Security and Privacy Services for public key infrastructures provide industry-leading expertise to fully address the difficult issues surrounding this technology. These comprehensive services use standardized methodologies and intellectual capital to reduce the time to deployment and the overall cost of the project.

Leveraging our knowledge to assess your organization's requirements

Our PKI business workshop, an introduction to the fundamentals of PKI, helps break down the complexity of this technology and gives the guidance needed to make the right security choice for your company. We analyze your business objectives and the security requirements for your company to help formulate preliminary strategy and action plans, and identify sound process and technology recommendations that best fit your requirements for:

- Protecting the confidentiality of transactions
- Verifying the authentication of individuals who have rights to access e-business systems
- Preserving the integrity of data in transit and in storage
- Supporting nonrepudiation of transacted business.



e-business



Planning a solid foundation for dependable e-business

You can save significant time and resources with a carefully conceived deployment plan. We help you formulate strategy and action blueprints so you can get started planning and designing a PKI architecture. By using tested methodologies and intellectual capital, IBM security consultants can provide a plan that matches your e-business strategy. We will also help you determine a registration model, rollout options and certificate policies well in advance of implementation.

Designing a stable PKI architecture tailored for your business

Once you have a sound plan in place, we help you efficiently design a PKI architecture that addresses many of the issues relating to policy management, trust relationships and certificate usage. Our security consulting and integration team leads you through the implementation and management of your PKI. Our end-to-end capabilities include:

- Creating a high-level architectural and trust model
- Defining the functional and component architectures
- Product selection
- Site selection and facility design
- Process development
- Certification practices
- Implementation planning
- Application development and system integration
- Defining operational procedures and processes

- Test planning, prototype development, piloting and production rollout
- Referral to third-party outsourcing for certificate services.

Using a proven approach to optimize the application of your PKI technology

A trusted credential system based on a PKI foundation can be used to enhance the security of many internal and external e-business applications, especially those in support of customer relationship management and business-to-business e-commerce solutions. Designed from the ground up to meet specific business objectives, a well-architected PKI solution can provide the necessary scalability to meet real-world demands. Because we are vendor neutral, we are able to use PKI software solutions from a variety of industry-leading vendors. The services we provide are based on “tried and tested” methods and approaches supported by a unique combination of expertise, resources and best-in-class solutions for your business.

Relying on our experience

The people of IBM Global Services, offering the largest professional security community in the world, bring you a worldwide network of highly trained consultants and integration specialists. This network leverages IBM's in-depth experience so we can meet the PKI needs of clients across industry sectors by planning and designing highly stable and reliable security systems.

For more information

To learn more about IBM Security and Privacy Services for public key infrastructures and IBM Global Services, contact your IBM sales representatives or visit:

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