

TRACK: IT Security Advanced
SESSION #: ITA#3
DATE: Monday April 19, 2010
TIME: 2:00-3:15pm
SESSION TITLE: "Deployment strategies for effective encryption"
SPEAKER(S): Ben Rothke, CISSP, PCI QSA - Senior Security Consultant
ORGANIZATION: BT Global Services

ABSTRACT: "Deployment strategies for effective encryption"

Encryption is a double-edged sword. It can ensure that no one, not even the NSA can read your data. But ineffective encryption can ensure that no one, including yourself, can read your data. The fine line that separates the two is an effective encryption strategy.

Effective encryption requires attention to detail and good design, combined with good project management and documentation and your encryption strategy must reflect this.

This session will detail the components for an effective encryption deployment strategy, including:

- Risk management
- Key generation
- Documentation and a formal program of system and risk management
- Key distribution and storage
- Key revocation and destruction of old keys

SPEAKER BIO(S): Ben Rothke, CISSP, PCI QSA is a New York City based senior security consultant with BT Global Services and has over 15 years of industry experience in information systems security and privacy.

His areas of expertise are in risk management and mitigation, security and privacy regulatory issues, design & implementation of systems security, encryption, cryptography and security policy development, with a specialization in the financial services and aviation sectors.

Ben is the author of [*Computer Security - 20 Things Every Employee Should Know*](#) (McGraw-Hill), and writes a monthly security book review for *Security Management* and is a former columnist for *Information Security*, *Unix Review* and *Solutions Integrator* magazines.

Ben is also a frequent speaker at industry conferences, such as CSI, RSA, MISTI, NetSec and ISACA and holds the Certified Information Systems Security Professional (CISSP), Certified Information Security Manager (CISM) and PCI QSA (Qualified Security Assessor), in addition to other certifications, and is a member of ASIS, CSI, Cloud Security Alliance, Society of Payment Security Professionals and InfraGard.