



THE 1997 RSA DATA SECURITY CONFERENCE

SPEAKER BIOGRAPHY

ANALYSTS' TRACK

Certification Authority Security
Requirements and Technologies

Speaker: **Stephen Kent**

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Company Background:

Headquartered in Cambridge, Massachusetts, BBN Corporation provides internetworking services, products, and application solutions that help people work and learn together. BBN is a leading provider of managed Internet access and value-added services for businesses and organizations. BBN provides companies of all sizes with reliable BBN Planet Internet services, network security, web site development and hosting, and system integration services to effectively use the Internet for business.

Presentation Overview:

This presentation explores requirements and techniques for operating a certification authority (CA) in a secure fashion. Three approaches to providing CA cryptographic models are analyzed: software, general-purpose hardware, and special-purpose hardware.

Speaker Background:

Stephen Kent has been engaged in network security research and development activities at BBN for over 15 years. His work includes the design and development of user authentication and access control systems, network and transport layer and electronic messaging security protocols, a multi-level security directory system, and public-key certification systems. He is co-chair of the IETF's Public Key Infrastructure working group and was a member of the Internet Architecture Board, the oversight body of the Internet standards process, from 1983-1994.

PRESENTATION