



THE 1997 RSA DATA SECURITY CONFERENCE

SPEAKER BIOGRAPHY

STANDARDS TRACK

PFX: Personal Information Exchange

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Company Background:

Microsoft Corporation was founded in 1975 by William H. Gates and Paul G. Allen. Microsoft markets a broad range of products for personal computing: development tools and languages, application software, systems software, hardware peripherals, books, and multimedia applications. Products include Microsoft MS-DOS, Windows "!", and Windows NT "!" operating systems; The Microsoft Basic and Microsoft C++ programming languages; and a variety of productivity applications for the end user, including Microsoft Word and Microsoft Excel.

Presentation Overview:

This standard describes a transfer syntax and APIs for personal identity information, including private keys, certificates, protocol secrets and extensions. It also describes secure protocols for transferring this information from one trusted platform to another, allowing the user to exercise his or her personal identity rights for commerce or any other purpose, independently of the platform. PFX solves what is sometimes called the "roaming user" problem. The standard is compatible with secure hardware tokens. It is being considered by RSA as PKCS #12. Microsoft encourages a maximally open process of standardization and the rapid adoption of this standard across the industry.

Speaker Background:

Brian Beckman is a security architect at Microsoft Corporation. Prior to PFX, he provided architectural leadership for SET and STT. Prior to Microsoft, he worked for nearly ten years at Caltech's Jet Propulsion Laboratory, where he wrote the Time Warp Operating System and lead multiple projects in scientific visualization, science data systems, computer graphics, programming languages, and astrophysics. He earned his Ph.D. in Astrophysical Sciences for Princeton University in 1983.

PRESENTATION