

The Journey Toward Secure Systems: Achieving Assurance

Steve Lipner
Microsoft Corporation

Abstract

The growth of the Internet since the mid-1990s has changed system security from a niche concern of a few customers and researchers to a requirement shared by the vast majority of customers and the stuff of front page news. Perhaps as difficult as meeting security requirements is the problem of measuring the actual benefits of steps intended to improve security. This talk will focus on effective ways of meeting security requirements and of measuring success.

Speaker's Biography

Steve Lipner holds S.B. and S.M. degrees in civil engineering from M.I.T. and attended the Program for Management Development at the Harvard Business School. He began working in computer and network security as a member of the technical staff at Mitre Corporation in 1970, and has held a variety of technical and management positions in security since. From 1981 to 1992, Steve led the Secure Systems Group at Digital Equipment, where he was responsible for the

development of a general-purpose operating system that was targeted for Orange Book A1 evaluation.

During the 1990s, Steve served as Executive Vice President and General Manager for Network Security Products at Trusted Information Systems (TIS). At TIS, he was responsible for the Gauntlet firewall business, and contributed to research in cryptographic key recovery and to commercial and government security consulting engagements. Steve joined Microsoft in 1999 as manager of the Microsoft Security Response Center. He assumed responsibility for the Secure Windows Initiative team in mid-2001 and was one of the leaders of the team that planned and directed the security push focused on Windows Server 2003. Steve is currently director of security assurance at Microsoft.

Steve was one of the initial members appointed to the United States National Computer Systems Security and Privacy Advisory Board. He served on the board from 1989 to 1993 and was reappointed in 2000. Steve holds ten U.S. patents for inventions in the field of computer security and network security protocols.