

Title: Securing the Extended Enterprise in an Electronic World

Chair: Joe Pato, Hewlett-Packard Panelists:

- Karen F. Worstell, Stanford Research Institute Consulting
- Taher Elgamal, VeriGuard
- April T. Brake, Hewlett-Packard

Session Abstract:

Extranets, Intranets, the Internet - In today's fluid business environment, where do the boundaries exist? As the very notion of what defines an enterprise is extended through the increasing use of outsourcing, contracting, and collaboration what do we need to protect? This panel will examine the emergence of VPNs and other techniques for securing collaborations within and between organizations. We will consider what forms of containment are necessary, desirable or even possible.

Bios:

Joseph Pato  
Chief Technologist  
Internet Security Operation  
Hewlett-Packard Company

Joe's work has included the design of delegation protocols for secure distributed computation; key exchange protocols; inter-domain trust structures; the development of public and secret key based infrastructures; and the development of distributed enterprise environments. Most recently he has been focused on the security needs of collaborative enterprises - addressing both inter-enterprise models and the needs of instruments and peripherals directly attached to the internet. He was the chief architect for OSF's DCE Security component, and has served on a variety of industry and government standards efforts.

Karen F. Worstell  
Principal Consultant  
I-4 Research Program Director  
Stanford Research Institute Consulting

Karen Worstell, MS, has twelve years experience in distributed information systems and security in a range of industries. Included in her background is emphasis in secure World-Wide Web, firewalls, electronic commerce systems, "virtual containment networks", and intrusion detection. She currently serves SRI Consulting's International Information Integrity Institute as the Director of Research and Technology and provides consulting services to multinational corporations in the US, Asia and Europe.

Over the past twelve years Karen has served in a variety of industry leadership roles, including the security subcommittee of the Aerospace Industries Association, IEEE

sponsored Open Systems Environment Workshop security architecture working group, X/Open, the Member Advisory Committee of the I-4, and the Network Security Information Exchange (NSIE).

Taher Elgamal  
Chairman and CEO  
VeriGuard, Inc.

Dr. Elgamal is a recognized leader in the information security industry. He is currently the Chairman and CEO of VeriGuard Inc, a service and consulting company in Enterprise security. Prior to founding VeriGuard, he held the position of Chief Scientist of Netscape Communications Corp where he pioneered the Internet security technologies such as SSL, the standard for web security. He developed a number of Internet payment schemes and participated in the "SET" credit card payment protocol. He has a long career in cryptography and security which started with a Ph.D. at Stanford where Dr. Elgamal was a pioneer of original public key cryptography and digital signature technology by inventing the "Elgamal" cryptography technology which was adopted by NIST in the DSS digital signature standard. He was director of Engineering at RSA Data Security, Inc. from where he produced the RSA cryptographic toolkits, the industry standards for developers of security-enabled applications and systems.

April T. Brake  
Security & Directory Service Engineering  
Corporate Information Technology  
Hewlett-Packard Company

April T. Brake is currently the Manager of Security and Directory Engineering in Hewlett Packard's Corporate Information Technology Organization. Under her guidance, the team recently deployed across HP a PKI/CA infrastructure, a Web Authorization Service, supported by an industry standard LDAP based Enterprise Directory and a Global Group Manager. Her team is responsible for the design and deployment of numerous tools, products and services to HP sites, including Security Monitoring, Administration and Management, the Messaging Directory, Information Brokering, Authorization, IPsec / VPN, Cryptography, Authentication, the NT Domain Infrastructure and DCE. HP's Remote Access Token Service currently supports more than 50,000 users worldwide, one of the largest corporate implementations in the world.

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