

**Amanda M. Andress**  
**CISSP, SSCP, CCSA, CCSE, CWNA, TICSa, CISA, CPA**

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## Experience

### **ArcSec Technologies, Inc.**, Dublin, California (May 2000 – present)

#### President

- Design, analyze, review, and implement security solutions for companies.
- Reviewed and evaluated security products under development for venture capital firm as part of their due diligence process. Analysis included firewall/vpn, intrusion detection, denial of service, and authorization products.
- Designed, implemented, and managed network infrastructure running Windows 2000 Server, Active Directory, Windows 2000 professional, Windows 98, Solaris 8, Red Hat Linux 7.0, Entrust, CheckPoint, Netscreen, and Exchange Server.
- Analyzed environment, recommended, and implemented site-to-site and remote access IPSec VPN (Nokia CryptoCluster) and Firewall (RapidStream) for large email outsourcing company. Also implemented SecurID two-factor authentication for remote access VPN.
- Performed external penetration test and internal security audit for a medical services company running Gauntlet, Windows NT, IIS 4.0, and Exchange Server. Helped implement security recommendations. Also developed comprehensive security policies.
- Reviewed Internet/e-commerce web application for security vulnerabilities. IIS 5.0 (ASP) and SQL Server 2000 platform.
- Implemented Funk RADIUS server on Solaris for managed services provider.
- Designed and help implement secure, high-availability network for B2B transaction processing company using Cisco, CheckPoint, Apache, Linux, WebLogic, Entrust environment.
- Designed and recommended secure wireless LAN (802.11b) infrastructure using VLANs and IPSec VPNs. Product selection and implementation in process.
- Implemented multi-vendor IPSec site-to-site VPN solution (Cisco VPN Concentrator, Netscreen, and Windows 2000) for multi-national semiconductor corporation.
- Monitored mailing lists and security websites for new vulnerabilities for security product company.

### **Evant Solutions**, San Francisco, California (June 2000-February 2001)

#### Chief Security Officer

- Created and implemented complete security infrastructure for supply chain management ASP developing a web-based application in a Windows NT, Exchange Server, Netscreen, Cisco, Apache, Linux, Solaris, WebLogic, and Oracle environment.
- Created and implemented comprehensive security policies.
- Performed extensive risk assessment, prioritized results, and implemented solutions.
- Created employee security awareness program.
- Created Incident Response procedures.
- Developed secure remote administration solution using IPSec VPN, SSH, and VNC.

- Evaluated and selected remote hosting and security monitoring services.
- Managed Netscreen and Cisco PIX firewall and Cisco NetRanger IDS.
- Developed secure employee remote access solution using Windows Terminal Services and Citrix Metaframe.
- Hardened Windows NT servers, NT workstations, Solaris, and Red Hat Linux 7.0.
- Participated in Windows 2000 migration planning.
- Monitored mailing lists and security sites for new vulnerabilities. Worked with system administrators to apply appropriate patches.
- Participated in product design to ensure security best practices were implemented.
- Developed two-factor authentication recommendation for web application using SecurID.

**Privada, Inc., San Jose, California (February 2000 – June 2000)**

Chief Security Officer

- Created and implemented complete security infrastructure for privacy ASP using Red Hat Linux, Windows NT, and Oracle.
- Developed and implemented comprehensive security policies.
- Performed extensive risk assessment, prioritized results, and implemented solutions.
- Evaluated remote hosting sites and selected Exodus.
- Selected, implemented, and managed CheckPoint Firewall and RealSecure IDS.
- Participated in product design to ensure encryption/key management best practices were implemented.
- Monitored mailing lists and security sites for new vulnerabilities. Worked with system administrators to apply appropriate patches.
- Developed OS hardening procedures for Red Hat 6.2

**Ernst & Young, LLP, Palo Alto, California (April 1999 – February 2000)**

eSS Senior Consultant

- Enabled clients to provide secure transaction processing and strong authentication methods for High Tech, Internet, Financial Services, and International clients.
- Performed penetration tests, WebTrust reviews, and process verification for e-commerce sites.
- Designed secure network architectures for clients.
- Developed, recommended, and implemented secure remote access solution using IPsec VPN (Nortel) and digital certificates (Entrust) for Fortune 50 company.
- Designed and implemented company-wide PKI solution for major e-commerce corporation.
- Developed PKI policies and procedures for Italian Postal Service
- Managed internal PKI/e-commerce lab. Responsibilities included creating and implementing internal security policy, installing, configuring, managing, and creating solution demos for clients using Arcot's WebFort, Baltimore, Entrust, Raptor Mobile VPN, Raptor Firewall, Checkpoint Firewall-1, Microsoft Exchange, Netscape Messenger, Informix, DNS, DHCP, Microsoft Internet Information Server (IIS), Oracle, WebLogic, WebFocus, Nokia, Solaris, Nortel, Verisign, and ColdFusion. In addition, managed staff and vendor relationships.

**Deloitte & Touche, LLP, Houston, Texas (January 1997 - April 1999)**

Enterprise Risk Services Consultant

- Evaluated business process controls, application controls, and technology infrastructure in the energy, oil and gas, healthcare, and financial services industries in order to help clients manage risk.
- Assisted financial audit teams by analyzing security controls surrounding critical computer systems producing financial statements.
- Presented seminars on electronic commerce, Internet security, and Firewalls.

**Exxon, Houston, Texas (June 1995 – August 1996)**

Internal Audit, Information Systems Staff

- Evaluated computer systems to ensure proper controls were in place for areas such as change control, security administration, project management, documentation, criticality assessment, and disaster recovery plan.
- Performed special project regarding PC purchases.

**Speaking Engagements**

Network+Interop September 2000 – PKI

Network+Interop May 2001 – xSP security

TISC June 2001 – Wireless LAN Security

Black Hat July 2001 – Wireless LAN Security

**Articles and Publications**

**Magazines and Newsletters**

InfoWorld Magazine (Technology Analyst, Security Advisor column)

Business Security Advisor

Information Security Magazine

DevX.com

Federal Computer Week

TISC Insight Newsletter

IBM Developer Works

Network World

**Books**

Surviving Security: How to Integrate People, Process, and Technology

CIW Security Professional Certification Bible

CISSP Exam Cram

**Certifications, Organizations, and Affiliations**

Certified Public Accountant, Texas (CPA) 1997

Certified Information Systems Auditor (CISA) 1996

Certified Information Systems Security Professional (CISSP) 1999

Systems Security Certified Practitioner (SSCP) 2000

Checkpoint Certified System Administrator (CCSA) 2001

Information Systems Audit and Control Association (ISACA)

Center for Internet Security (CIS) Charter Member

**Education**

**Texas A&M University College of Business Administration**

College Station, Texas

Bachelor of Business Administration, Accounting (Magna Cum Laude)

Master of Science, MIS (Summa Cum Laude)