

About AEP Systems

AEP Systems, the high-speed security company, delivers hardware security and acceleration solutions that are fast and cost-effective to deploy. Customers include financial institutions, government bodies, healthcare organizations, and OEMs. Founded in 1998, AEP Systems is privately held and based in Dublin, Ireland with offices in the UK, USA and Asia-Pacific.



Business Challenge

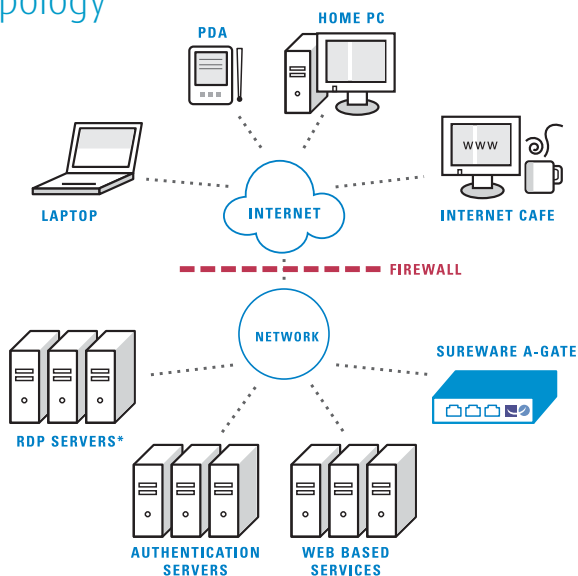
With increased availability of inexpensive high-speed Internet connections, the growing number of devices capable of connecting to the Internet and the financial pressures organizations are experiencing in today's economy, it's become critical that workers have access to internal applications and information from outside an organization's network.

Devices capable of connecting to network resources are no longer restricted to corporate desktop or notebook computers. Today, Personal Digital Assistants (PDAs), cellular telephones, airport terminals and Internet cafés are all capable of collecting e-mails and receiving files.

Technological advances allow organizations to communicate more efficiently and effectively with employees, customers and business partners. However, these advances have also created the challenge of providing secure, remote access from ubiquitous devices without compromising network or application security.

A variety of systems are available that offer secure remote access to corporate resources: leased line, dial-up VPN, 1800 numbers. Choosing the right system for an environment will simplify deployment, lessen routine maintenance and reduce the overall cost of the system. Today, few solutions deliver a single package that satisfies the technological, operational and security requirements for organizations of all sizes.

Topology



* RDP support available in Q2 2003

Solution

AEP SureWare A-Gate, an SSL VPN hardware appliance, provides secure and authenticated access from any Internet browser to internal applications. Users require only a standard browser to gain access to a network application or resource; they can use any available device, for example a notebook computer, Internet kiosk, or PDA, to access available applications. This means no client installation is necessary, delivering a true people-to-application VPN.

Unlike traditional VPN systems, AEP SureWare A-Gate does not require changes to be implemented on internal Web applications or servers. Because the appliance is platform and application independent, AEP SureWare A-Gate can publish multiple applications running on multiple diverse platforms.

Using a five-step configuration, SureWare A-Gate can be rapidly deployed to enable secure remote access to any user without requiring access to the client machine. Simply publishing a URL will allow immediate access to internal resources, such as e-mail, from any device with an Internet browser. SureWare A-Gate provides a single point of management and control simplifying the daily operation of the appliance and reducing the total cost of ownership of the secure remote access system.

Application Features

- Authenticates access to multiple Web applications
- Zero-footprint client
- Supported by any SSL-enabled browser
- Self-signed certificate generation
- External Certification Authority support
- Supports secure e-mail clients using POP, IMAP and SMTP over SSL & TLS
- Wizard-based installation

Technical Features

- Authenticates all user access
- Transparent to all HTTP applications
- Dynamic URL re-writing
- All connections are proxied and authenticated
- Re-pathing and securing of application session cookies

Platform Features

- Security focused embedded environment
- Security hardened
- All executing code is digitally signed
- Field upgradeable software
- Serial port, Telnet, SSH and Web management interfaces
- SNMP support
- Syslog support
- Event notification by e-mail to administrator
- NTP time synchronization

Why Choose AEP SureWare A-Gate?

- Access to corporate resources from anywhere
- Minimal administration required to configure and deploy secure remote access
- Routine maintenance can be carried out remotely
- One-time cost. No further investment is needed post-deployment
- Integrates with your existing network and authentication systems
- Extends enterprise applications to employees, business partners and customers

Technical Specifications

Encryption

SSL 2.0, SSL 3.0, TLS 3.1

Certificate key of up to 2048 bits

ARC4 encryption using 128 bit keys

3DES encryption with effective key size of 112bits

Hardware cryptographic acceleration

Authentication

RADIUS

RSA SecurID®

Windows Domain

Internal Authentication Database

Hardware

CE, UL and FCC certified

Three 10/100 RJ45 Ethernet ports

1 DB9 RS-232 serial port

64Mb Flash, 128Mb RAM

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