

Cisco Secure VPN Client

THE CISCO SECURE VPN CLIENT IS A COMPONENT OF CISCO SECURE VPN SOFTWARE, AND AN INTEGRAL PART OF THE CISCO SYSTEMS FAMILY OF HARDWARE AND SOFTWARE VPN SOLUTIONS. ITS ROBUST IMPLEMENTATION OF IP SECURITY (IPSEC) STANDARDS ALLOWS REMOTE WINDOWS 95/98 AND NT 4.0 USERS TO EASILY CREATE SECURE AND RELIABLE VPN TUNNEL CONNECTIONS TO A HOST NETWORK. ITS FEATURES INCLUDE SUPPORT FOR DES AND TRIPLE DES (3DES) ENCRYPTION, AUTHENTICATION WITH DIGITAL CERTIFICATES, AND PRESHARED KEYS, AND IT IS DESIGNED TO FULLY COMPLEMENT THE MICROSOFT TCP/IP IMPLEMENTATION.

Cisco Secure VPN Client is a Windows 95/98/NT 4.0 compatible software product that provides virtual private network (VPN) capability to a desktop or laptop computer. Based on the latest industry-standard IPsec recommendations, the Cisco Secure VPN Client product allows secure client-to-gateway communication over TCP/IP networks, including the Internet. The security services offered by the Cisco Secure VPN Client include: packet confidentiality (through encryption), packet integrity and authentication (through Keyed Hash), and identity authentication (via digital signatures and X.509 certificates exchanged during secure handshake). Additional information is available at website: <http://www.cisco.com/warp/customer/cc/cisco/mkt/security/vpncli/>

Features

1. Full compliance with IPsec and related standards
 - Support for Tunnel Mode or Transport Mode security
 - DES, 3DES, MD-5, and SHA-1 algorithms
 - Internet Key Exchange (IKE) using ISAKMP/Oakley Handshake and Key Agreement
2. Interoperates with virtually all PC Windows communications devices: LAN adapters, modems, PCMCIA cards, comm port drivers, and so on
3. Intuitive graphical user interface for configuring security policy and managing certificates
4. Easy to install and transparent to use; central configuration for easy deployment to end-users
5. Security policy can be exported and protected as read only by the administrator

Applications

- Travelling “Road Warrior” communications back to the home office via the Internet or dial-in remote access devices (client-to-gateway).
- Creation of virtual “secure enclave” while utilizing a shared, unprotected network to link the clients and gateways.
- IP Security standards
 - RFC 2401 Security Architecture for the Internet Protocol
 - RFC 2402 IP Authentication Header
 - RFC 2403 the use of HMAC-MD5-96 within ESP and AH
 - RFC 2404 the use of HMAC-SHA-1-96 within ESP and AH
 - RFC 2405 the ESP DES-CBC Cipher Algorithm with Explicit IV
 - RFC 2406 IP Encapsulating Security Payload (ESP)
 - RFC 2407 the Internet IP Security Domain of Interpretation for ISAKMP
 - RFC 2408 Internet Security Association and Key Management Protocol (ISAKMP)
 - RFC 2409 the Internet Key Exchange (IKE)
 - RFC 2410 the NULL Encryption Algorithm and its uses with IPsec
- X.509 v3 certificates
- FIPS-46 DES encryption
- FIPS-180-1 SHA-1 hash
- FIPS-186 DSS digital signatures
- CAPI 2.0: Microsoft CryptoAPI
- PKCS: Public Key Cryptographic Standards

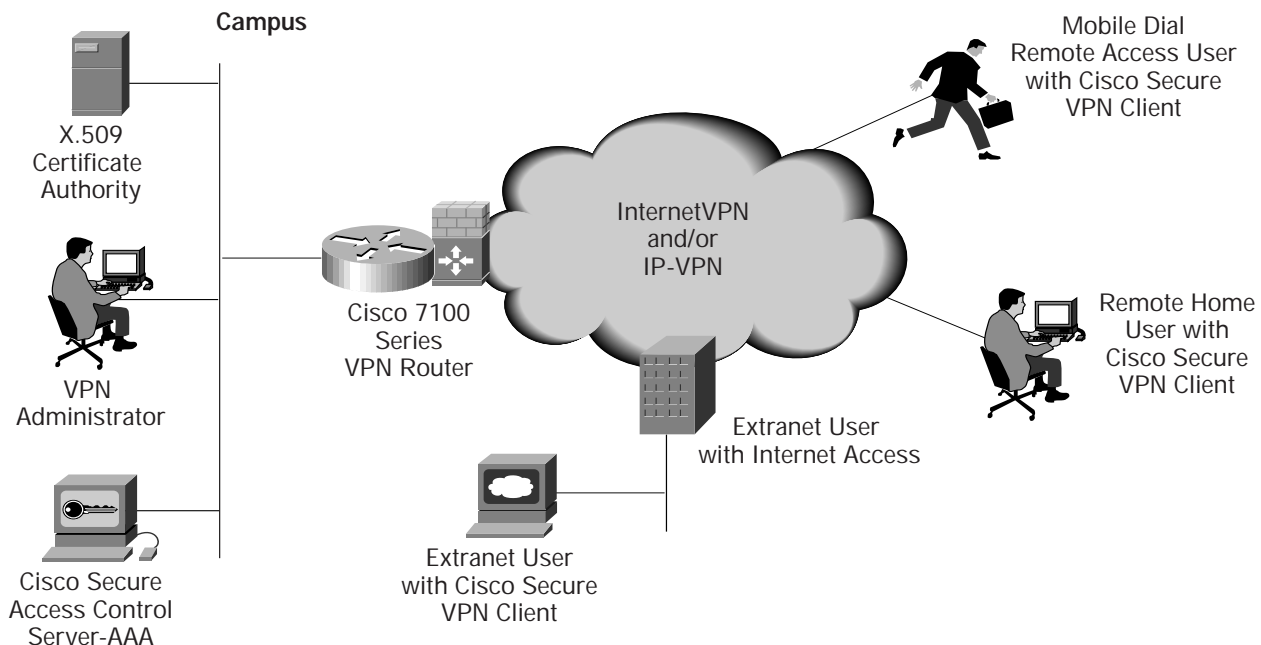
Interoperability

- Interoperable with Cisco Systems IPSec enabled routers and IPSec enabled Cisco Secure PIX™ Firewall
- Interoperable with Cisco Secure Access Control Server for AAA services
- Compatible with X.509 Certificate Authorities, including Verisign Onsite and Netscape Certificate Management System (CSM) using the Cisco Certificate Enrollment Protocol (CEP)

System Requirements

- PC-compatible system with Pentium processor
- Microsoft Windows 95/98 or NT 4.0 (Service Pack 3, 4, or 5)
- 18 MB free disk space
- 16 MB RAM minimum for Windows/98, 32 MB for Windows NT
- Ethernet network interface card or modem

Figure 1



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