

Cisco WebVPN for Routers

Industry's First Routing and Security Platform with SSL VPN Remote Access Connectivity

SSL VPN Enables SMB/Commercial Remote Access Needs

SMB/Commercial Customers' Security Drivers*

Customers need*:

Increased requirement for operational efficiency

Proliferation of mobile workers

While still facing:

Increased security threats

Increased regulatory compliance burdens

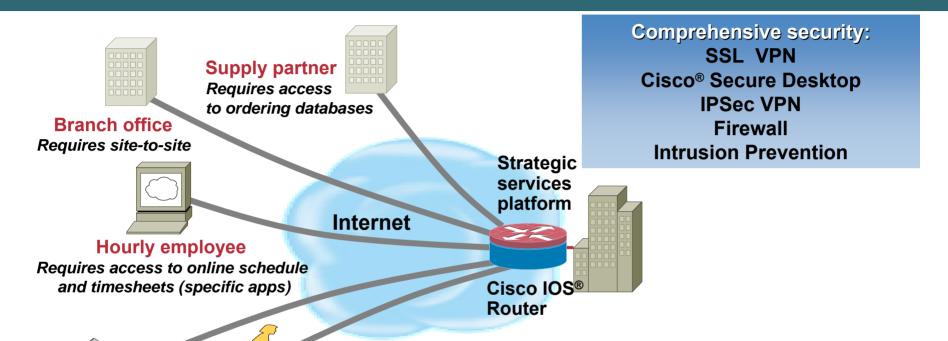
SSL VPN technology offers midmarket customers

- Immediate and spur-of-the-moment employee access, whether on the road or as a teleworker
- Secure remote access without worry of operating system, device interoperability, or access to partner systems
- Threat defense and authentication capabilities reduce threat risk
- When combined with endpoint security, SSL VPN eases proof of regulatory compliance

Customers See High Value in Intelligent Services Integration

64 percent of customers preferred integrated services **Firewall** Reasons: IP Telephony **Ease of support & management Lower operational costs Virus Protection** Better performance, scalability **Lower capital costs** Intrusion Move intelligence to branch Prevention Feature interoperability Intrusion **Detection IPSec VPN** Functions that SHOULD SSL VPN be router integrated Wireless & **Mobility** 20 100 40 60 80 Source: Yankee Group Research Inc., Jan 2006

Cisco Routers with WebVPN Industry's First Routing and Security Platform with SSL VPN



Employee at Home/Mobile user Requires consistent LAN-like access

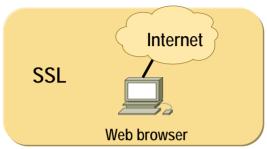
Integrated security, voice and LAN, WLAN, WAN access

- Single box to operate and manage
- Simplified and consistent security policies
- Easier network design and traffic policing
- Reduced total cost of ownership & improved service availability
- Leverage network infrastructure investments to add remote users

Mobile user

Cisco WebVPN – Cisco IOS Software Release 12.4(6)T (Available March 2006) Platforms: Cisco 1800, 2800, 3700, 3800 Series Routers

Clientless Access



Web-based + application helper

- Browser-based (clientless)
- Intranet web pages, Outlook Web access, Citrix, Windows File Share (CIFS)
- Application helper for non-webified applications like POP/SMTP, IM, Telnet

Full Network Access



IP-based applications

- SSL VPN client for virtually any application e.g. Cisco® Softphone
- Dynamically-loaded client may be permanently installed or removed automatically

Cisco Router and Security Device Manager – Simple GUI-based provisioning and management with step-by-step Wizards for turn-key deployment

Cisco Secure Desktop – Prevents digital leakage, protects user privacy, easy to implement & manage, works with desktop guest permissions

Virtualization and VRF awareness – Pool resources while masking the physical attributes and boundaries of the resources

Cisco Routers with WebVPN SSL VPN Portfolio and Pricing



- PRICE
- Simple and cost-effective pricing—all WebVPN functionality included in single license
- License packs available in 10, 25, and 100 increments
- Demo licenses: Two-user demo license available on Cisco® 870–3800 Series Integrated Services Routers and Cisco 7200 and 7301 Routers









Cisco 2800 Up to 75 SSL VPN Sessions



Cisco 3800 Up to 100 SSL VPN sessions



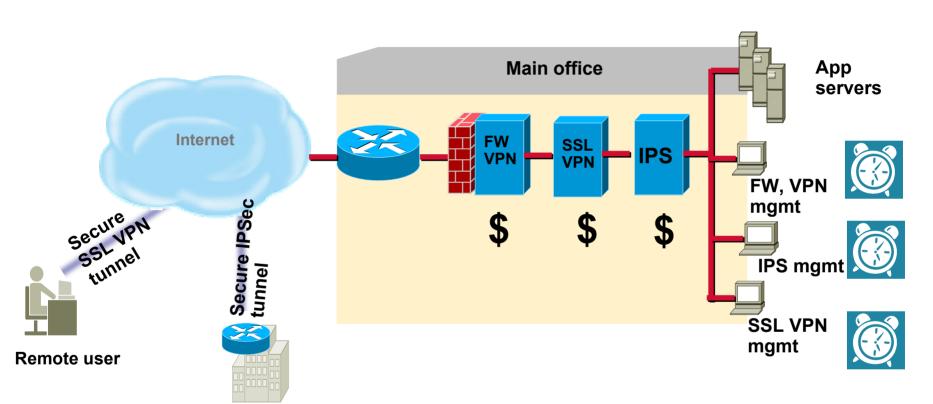
Up to 150 SSL VPN sessions

Small Business / Branch

Medium Business / Branch

PERFORMANCE

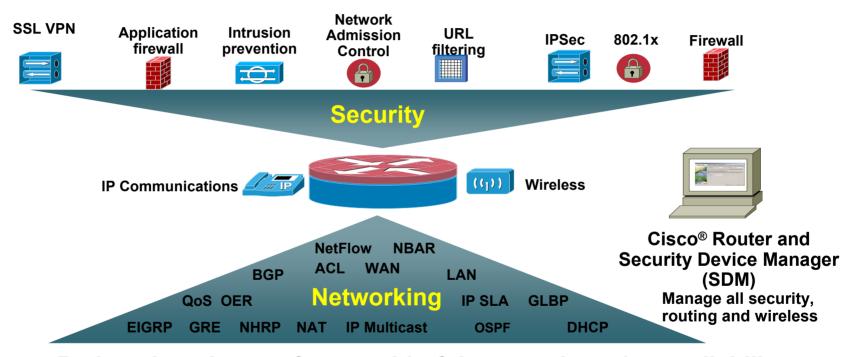
Typical Scenario with Multiple Devices



- **Small office**
- Multiple devices to manage and support
- Security policies may be inconsistent
- More complexity in network design

Cisco Routers with WebVPN Industry's First Routing and Security Platform with SSL VPN Remote Access Connectivity

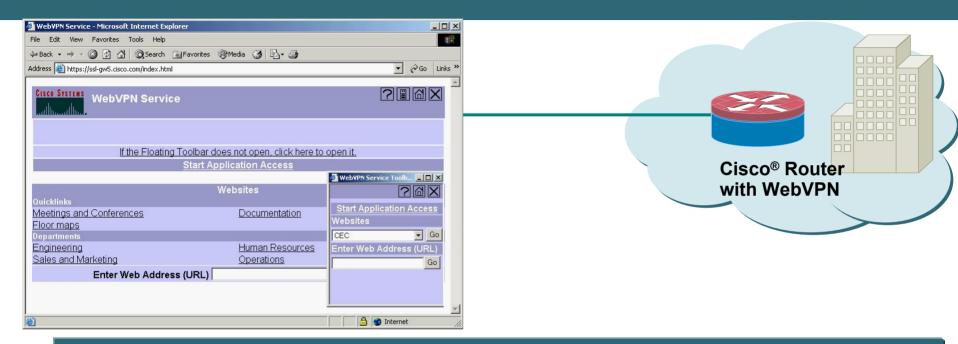
One box to learn, deploy, provision, manage, maintain



- Reduced total cost of ownership & improved service availability
- Simplified and consistent security policies
- Easier network design and traffic policing
- Leverage network infrastructure investments

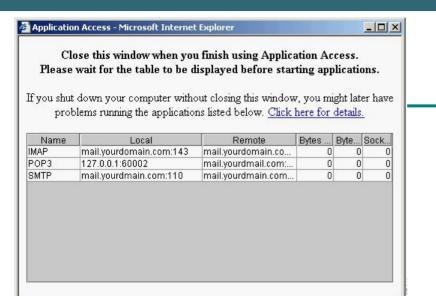
Clientless Access

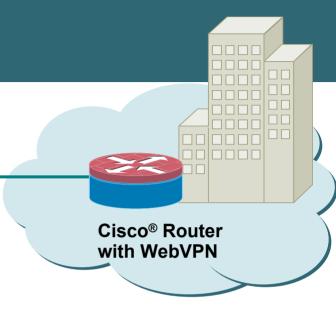
Customizable Remote Application Access



- Clientless Web-based access allows anywhere access to network resources
- Web content transformation provides compatibility with Web pages containing HTML and JavaScript
- Uniform and efficient application delivery via fully clientless Citrix support
- Applications: Intranet (HTML and JavaScript), Citrix, Windows File Share (CIFS)
- Multiple browser support ensures broad connection compatibility

Clientless Access Port Forwarding Application Helper



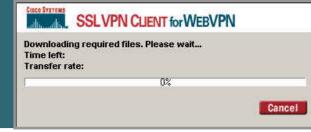


Java-based application helper supplements clientless access by providing connectivity to non-webified applications like:

- POP, SMTP, or IMAP e-mail
- Instant messaging
- Calendar
- Client-initiated TCP-based applications like Telnet

Cisco SSL VPN Client





Leverages depth of Cisco® encryption client experience to deliver a lightweight, stable, and easy-to-support SSL VPN tunneling client

Features	Benefits
IPSec-like application access through "Web-pushed" client	Application-agnostic full network access
Touchless central site configuration	Low operating cost
Compatible with Cisco Softphone for VoIP support	Multimedia data, voice desktops for greatest user productivity
Client may be either removed at end of session or left permanently installed	No trace of client after session provides better security
Less than 250 KB download	Fast client download time
No reboot required after installation	Improved productivity, better user satisfaction

Cisco Secure Desktop Security/Auditing Compliance

Issue: HIPAA, Sarbanes-Oxley, and numerous other regulations require privacy of sensitive information

Cisco® Secure Desktop eases regulatory compliance associated with remote access through:

- Easily demonstrated separation or "sandboxing" of all session data and downloaded content to compliance auditors
- Extensive logging for Cisco Secure Desktop activities
 - Was it loaded on endpoint?
 - Did it execute properly?
- Validation of remote system security posture prior to session initiation
- Full session data overwrite using government approved DoD sanitation algorithm

Cisco Secure Desktop

Comprehensive Endpoint Security for SSL VPN

Complete preconnect assessment:

Location assessment—managed or unmanaged desktop?

Security posture assessment—AV operational/up-to-date, personal firewall operational, malware present?

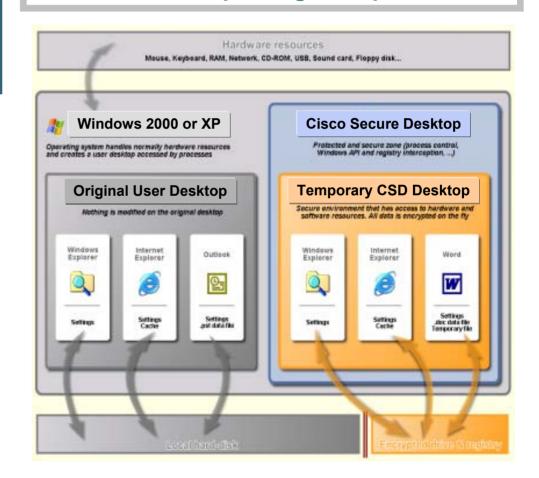
Comprehensive session protection:

- Data sandbox and encryption protects every aspect of session
- Malware detection with hooks to Microsoft free antispyware software

Post-session clean up:

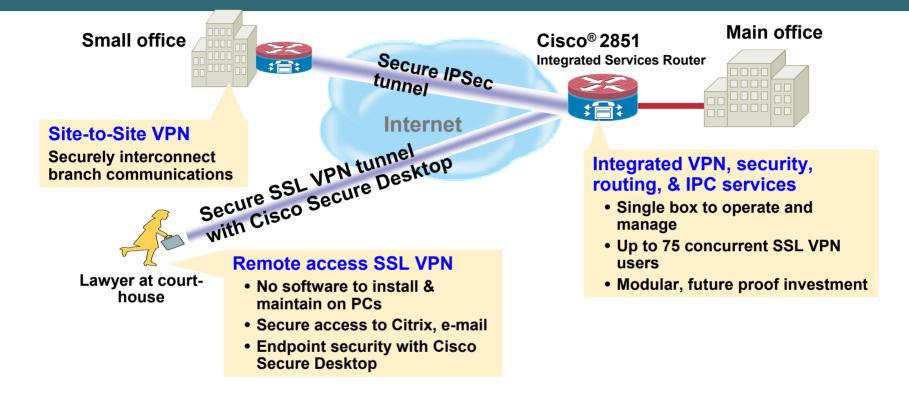
- Encrypted partition overwrite (not just deletion) using DoD algorithm
- Cache, history, and cookie overwrite
- File download and e-mail attachmen overwrite
- Auto-complete password overwrite

Works with desktop guest permissions No admin privileges required



Use Case Scenario

Regional Law Firm with Multiple Offices



Improved staff productivity—On-road access to business applications

Compliance with regulations—All remote communications fully encrypted and logged

Proactive threat defense—Application firewall, inline intrusion prevention, touchless end-point security (Cisco Secure Desktop)

Cisco Router and Security Device Manager (SDM) v2.3 – Delivers Ease of Use

 Fast and easy deployment and management of integrated services on Cisco IOS® routers

Easy-to-use, Web-based GUI for single device management

Loaded on router from factory at no additional cost

Less than 30 minutes to deploy fixed configuration ISRs

Featured on Cisco® 800—7301 routers

Supported in seven international languages

What's new (v2.3):

Integrated Cisco IOS WebVPN Management

Simple GUI-based provisioning and monitoring, step-by-step wizards for easy turnkey deployments

IPS security dashboard

Real-time updates on top threats with Cisco IPS Alert Center

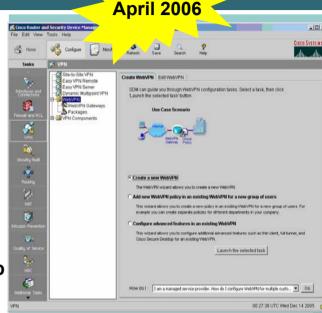
Real-time network and application monitoring

NetFlow-based top N statistics, application traffic monitoring, search operations on event tables

On-box URL filtering management

Enables zero-touch provisioning for high-volume deployments

Simplified Cisco IOS Router image management

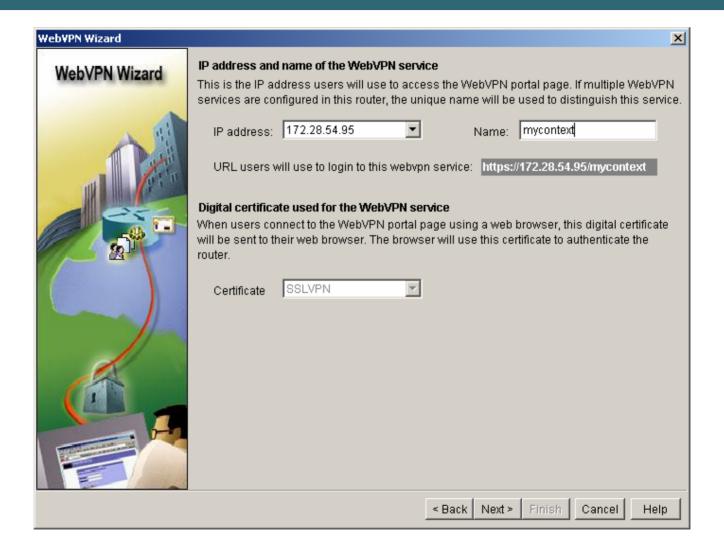


Available

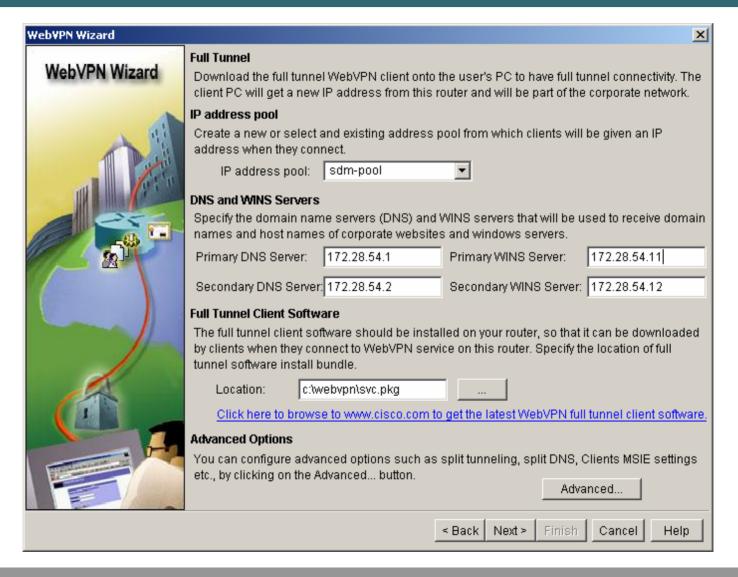
"Cisco Router and Security
Device Manager
significantly reduces
technical expertise required
to configure Cisco routers."

ED MIER, MIERCOM

Cisco IOS WebVPN Wizard – WebVPN Gateway Creation



Cisco IOS WebVPN Wizard -WebVPN Full Tunnel Configuration Wizard



Summary

Industry's first router to integrate SSL VPN as a form of secure remote access connectivity

Richest remote access and site-to-site secure access capabilities in the industry

Cost-effective SSL VPN solution

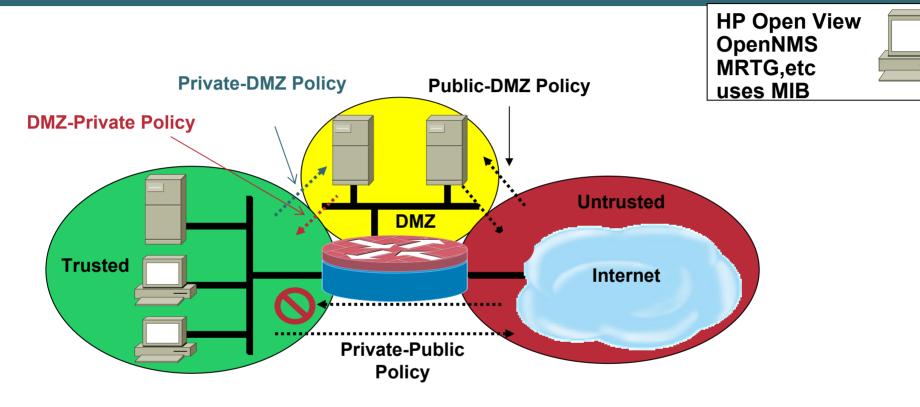
Integrating security in a routers saves money and time

Cisco® Secure Desktop and encryption supports burden-ofproof for regulatory compliance

 Cisco Router and Security Device Manager adds support for SSL VPN, IPS Security dashboard, and real-time network and application monitoring



ICSA-Certified Cisco IOS Firewall What's New in 12.4(6)T?



- Zone-based policy and SNMP MIB for easier administration
- •Improved performance for faster session set up and bandwidth
- •Improved resiliency through stateful failover
- •Efficient shared state with inline intrusion prevention for improved performance