

Cisco ASA 5500 Series Enterprise Editions Solution Overview



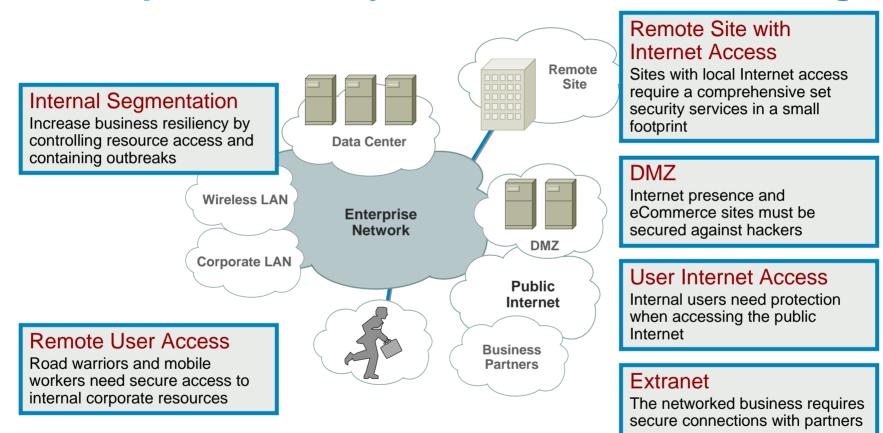
Peter Cumming
Systems Engineer
Atlantic Canada Team

Business and Technology Trends

- Security requirements are evolving.
- Networks are getting faster and in turn supporting more users, applications and protocols
- Pervasive security is missioncritical, as vulnerabilities and those who would exploit them increase in number
- Organizations are moving toward converged platforms for increased security, improved productivity and lower costs

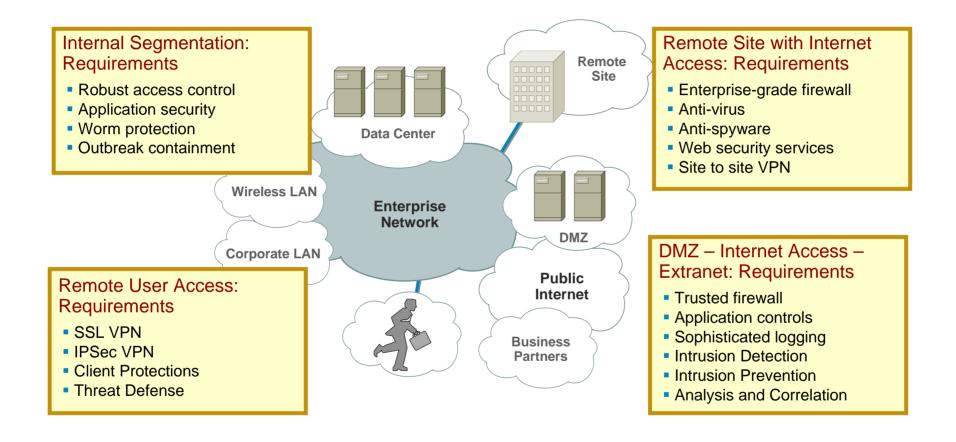


The Need for a New Paradigm Enterprise Security Business Needs Evolving



Multiple Environments, each with specific business drivers and organizational needs

Meeting Needs Requires Many Services Complex Location-specific Requirements



Operational Inefficiencies from Multiple Platforms and Consoles

May Require Compromise on **Protection**

Complex Design and Configuration

A New Paradigm for Network Security



The Cisco ASA 5500 Series Cisco's Premier Security Appliance Family

Bringing Modularity to Network Security

In the tradition of Cisco routers and switches, a standard platform that can adapt and grow

A Comprehensive Portfolio of Services

Deploy what you need, wherever you need it

Next Generation of Network Security

Migration destination for users of PIX® 500 Series and VPN 3000 Series of Security Appliances

ASA 5500 Series Enterprise Editions



A Family of Tailored Packages for Location Specific Needs

- Enables standardization on the ASA 5500 series platform to reduce costs in management, training, and sparing
- Superior protection by providing the right services for the right location
- Simplifies design and deployment by providing pre-packaged locationspecific security solutions

Cisco ASA 5500 Series Firewall Edition

World-class Application Security Services

Enables businesses to deploy new applications securely, while protecting valuable assets from unauthorized access



Flexible, Reliable Deployment Options

Provides wide range of services such as transparent firewall, virtualization, intelligent network integration, and award-winning resiliency

Comprehensive Management Solutions Lower Operational Costs

Flexible centralized management solutions provide full featured provisioning and monitoring services



Cisco ASA 5500 Series Firewall Edition:
Trusted technology from the most deployed firewall: Cisco PIX

Virtualized Services and Transparent Operation

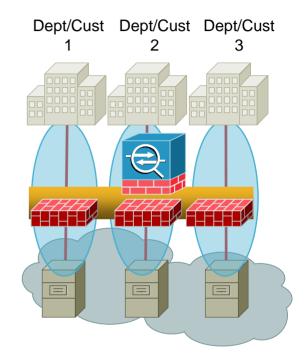
 Adds support for security contexts (virtual firewalls) to lower operational costs

Enables device consolidation and segmentation and Supports separated policies and administration

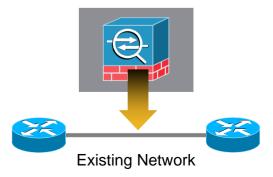
 Introduces transparent firewall capabilities for rapid deployment of security

Drops into existing networks without need for readdressing the network

Simplifies deployments of internal firewalling and security zoning—new applications



Transparent Firewall and IPS



Cisco ASA 5500 Series IPS Edition

Control Access to Critical Assets

Firewall access control and application policy enforcement provide authenticated access to critical resources



Accurate, Multi-vector Threat Prevention

Achieves maximum attack identification via multiple analysis techniques and technologies

Complete Incident Life-cycle Management

Complete solution covering Management, Monitoring, Incident Response, and Outbreak Prevention



Cisco ASA 5500 Series IPS Edition: Protecting Critical Information Assets and Infrastructure

Cisco ASA 5500 Series Anti-X Edition

Enterprise-grade Firewall

Built on industry's most trusted and deployed Cisco PIX ® firewall technology for solid access and policy control



High-quality Malware Protection

Based on Trend Micro's time tested and market proven technology and business processes for uncompromising security

Unified Security and Content Control

Provides everything you need for small office, remote office and kiosks in a single device



Cisco ASA 5500 Series Anti-X Edition: Protecting Clients Using the Public Internet

Cisco ASA 5500 Series VPN Edition

VPN for Any Deployment Environment

Clientless and full network VPN access delivers unsurpassed customizability for diverse requirements



Threat Protected VPN

Integrated endpoint and network security technologies ensure the VPN is not a conduit for damaging security threats

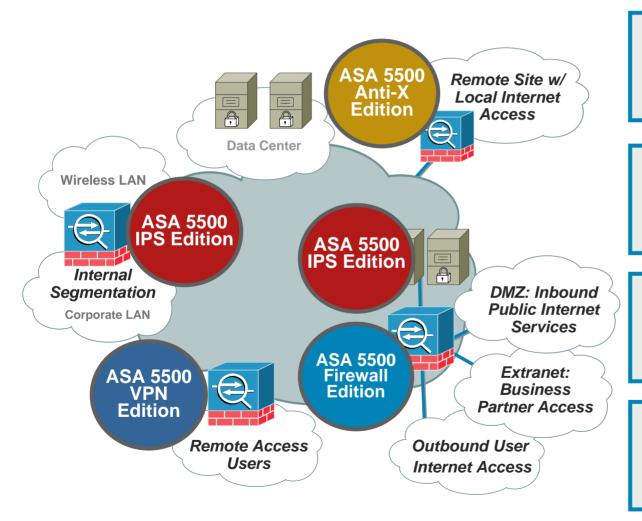
Making VPNs More Cost Effective

Integrated load balancing, network intelligence and security reduces the number of devices required to scale and secure the VPN



Cisco ASA 5500 Series VPN Edition: Scalable, Secure SSL and IPSec VPN Remote Access

ASA 5500 Series Enterprise Editions Tailored Packages to Location Specific Needs



FIREWALL Edition

Robust access and policy enforcement with rich application protections based on Cisco PIX® Firewall.

IPS Edition

Protect servers and critical assets from hackers and network worms with Intrusion Prevention, worm protection and firewall services

ANTI-X Edition

Protect users from Internet threats and connect remote sites securely with Anti-X, firewall and VPN services

VPN Edition

Unified SSL & IPSec Remote Access Services with Unified Threat Management

Cisco ASA 5500 Series Product Lineup Solutions Ranging from SMB to Large Enterprise

	Cisco ASA 5505	Cisco ASA 5510	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550
	Salar				
Target Market	Teleworker / Branch Office / SMB	SMB and SME	Enterprise	Medium Enterprise	Large Enterprise
List Price (CDN\$)	Starting at	Starting at	Starting at	Starting at	Starting at
	\$702	\$4,124	\$9,434	\$20,054	\$23,594
Performance Max Firewall Max Firewall + IPS Max IPSec VPN Max IPSec/SSL VPN Peers	150 Mbps	300 Mbps	450 Mbps	650 Mbps	1.2 Gbps
	Future	300 Mbps	375 Mbps	450 Mbps	N/A
	100 Mbps	170 Mbps	225 Mbps	325 Mbps	425 Mbps
	25/25	250/250	750/750	5000/2500	5000/5000
Platform Capabilities Max Firewall Conns Max Conns/Second Packets/Second (64 byte) Base I/O VLANs Supported HA Supported	10,000/25,000	50,000/130,000	280,000	400,000	650,000
	3,000	6,000	9,000	20,000	28,000
	85,000	190,000	320,000	500,000	600,000
	8-port FE switch	5 FE	4 GE + 1 FE	4 GE + 1 FE	8 GE + 1 FE
	3/20 (trunk)	50/100	150	200	250
	Stateless A/S	A/A and A/S	A/A and A/S	A/A and A/S	A/A and A/S

(Sec Plus)

(Sec Plus)

Wide-Range of Cisco ASA 5500 Series Security Service Modules (SSMs)

IPS Security Services Module (AIP SSM)



- Provides full-featured IPS and IDS services for protection of critical network assets
- Available in two models: SSM-10 and SSM-20
- Delivers up to 450 Mbps of IPS throughput
- Has thumbscrews for easy insertion/removal
- 10/100/1000 out-of-band management port
- Supported on ASA 5510, 5520 and 5540

Anti-X Security Services Module (CSC SSM)



- Provides full-featured Anti-X services

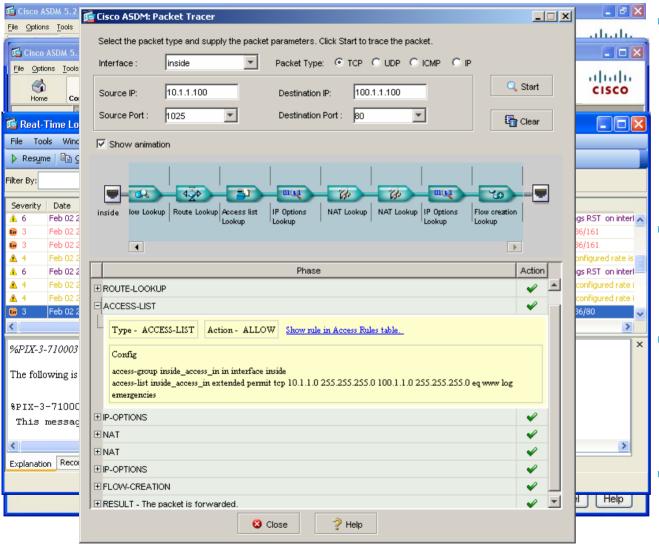
 (anti-virus, anti-spyware, anti-spam, anti-phishing, URL filtering, and more)
- Available in two models SSM-10 and SSM-20
- Anti-virus and anti-spyware services licensed by number of users, others optional add-on
- Supported on ASA 5510, 5520 and 5540

4-Port GE Services Module (4GE SSM)



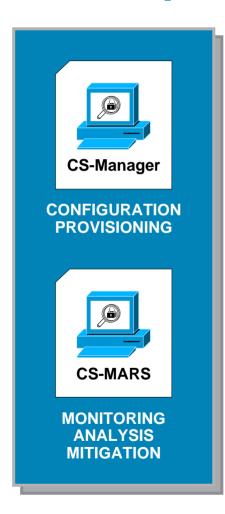
- I/O module offers four copper 10/100/1000 ports in addition to four SFP ports for improved flexibility and network segmentation
- Customers can use up-to four ports total out of these eight ports, with the ability to mix and match copper and optical GE ports
- Supported on ASA 5510, 5520 and 5540

Cisco Adaptive Security Device Manager



- Simplified security deployment and configuration via easy to use wizards and management tools, specially designed for today's SMB administrator
- **Enhance operational** efficiency via business class policy enforcement tools
- Ensure business continuity via real time status and event monitoring, and reporting tools
- Policy refinement and improved troubleshooting

Complete Enterprise Architecture





- Visualization tools to facilitate deployment, configuration, and maintenance
- Common policy view for the enterprise
- Network-wide view of topology and context
- Valuable analysis and reports

Managing ASA in the Enterprise: Provisioning Large Scale Deployments

CISCO SECURITY MANAGER



Enables Management of an Integrated Security Fabric

- **Domain-based Policy** Enforcement for End-to-End Management
- Scalable, Distributed **Deployment**
- Flexible modes for Efficient dayto-day policy administration
- Simultaneous management of ASA 5500 series and existing Cisco security solutions



Managing ASA in the Enterprise: Threat Management





CISCO SECURITY MARS

Higher Network Availability Through Faster Threat Mitigation

- Rapid threat identification
- Topology awareness for focused mitigation
- Data correlation for advanced protection
- Eases migration through multi-vendor support

Migrating to the ASA 5500 Series

- Cisco has an ASA Migration Sales program in place for customers to transition from the PIX and VPN 3000 series appliances.
- Published End Dates Cisco PIX 500 series
 - PIX 506 End of Support as of May 2007- replaced with 506E
 - PIX 515 End Of Support as of April 2007 replaced with 515E
 - PIX 520 End of Support as of June 2006
- Published End Dates Cisco VPN 3000 series
 - End Of Sale Date is August 2007
 - Applies to VPN3002, 3005, 3015, 3020, 3030. 3060 and 3080
- The ASA5505 has been positioned as the replacement to the VPN3002 hardware client.

Cisco ASA 5500 Series in Summary

Cisco ASA 5500 Series Adding Value to the Business

- Superior protection through location-specific security
- Decreases operational costs by standardizing on one family
- Simplifies design and management
- Part of a greater whole— Cisco Self-Defending Network







