Migration Guide from Cisco PIX 500 to Cisco ASA 5500 Series

The Cisco® ASA 5500 Series Adaptive Security Appliances deliver a powerful combination of multiple market-proven technologies in a single platform, making it operationally and economically feasible for organizations to deploy comprehensive security services to more locations. Migrate your Cisco PIX® Security Appliance to the Cisco ASA 5500 Series today for converged, multifunction security and VPN services within a single platform.

Primary Business Factors

Flexible Deployment Options
Customized product editions tailored to address specific enterprise needs

- Firewall Edition
- Intrusion Prevention System (IPS) Edition
- Anti-X Edition
- SSL/IPsec VPN Edition

Lower Total Operating Expenditures (OpEx)
Unified device management and monitoring results in lower overall installation and servicing costs. A single platform decreases complexity and simplifies deployments and ongoing support.

Lower Capital Expenditures (CapEx)
Convergence and enhanced Technology Migration Plan (TMP) credits reduce the total cost of migration today.

The Leasing Advantage
Take advantage of leasing promotions to further reduce costs and deliver new solutions now.

Primary Technology Factors

Trusted Firewall and Threat-Protected VPN Technology
Built upon trusted Cisco PIX Security Appliance and Cisco VPN 3000 Series Concentrator technology, the Cisco ASA 5500 Series is the first solution to offer Secure Sockets Layer (SSL) and IP Security (IPsec) VPN services protected by market-leading firewall technology.

Advanced Intrusion Prevention Service
Proactive, full-featured intrusion prevention services stop a wide range of threats, including worms, application layer attacks, operating-system-level attacks, rootkits, spyware, and more.

Industry-Leading Anti-X Services
The Cisco ASA 5500 Series offers comprehensive antivirus, antispyware, file blocking, antispam, antiphishing, URL blocking and filtering, and content filtering services, providing industry-leading Anti-X services with Trend Micro's expertise in threats and a proven Cisco Systems® solution.

Consistent User Experience
The Cisco ASA 5500 Series takes advantage of customers' existing knowledge of Cisco PIX Security Appliances for easy migration to Cisco ASA 5500 solutions.

Migration Guide from Cisco PIX 500 to Cisco ASA 5500 Series

Migration Paths

Firewall	IPS	Anti-X	VPN

Cisco PIX Security Appliance Model	Cisco ASA 5500 Series Part Numbers	Cisco ASA 5500 Description
Cisco PIX 501 10 Users	ASA5505-K8	Cisco ASA 5505 Firewall Edition 10-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, DES
	ASA5505-BUN-K9	Cisco ASA 5505 Firewall Edition 10-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-50-BUN-K9	Cisco ASA 5505 Firewall Edition 50-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-SSL10-K9	Cisco ASA 5505 SSL/IPsec VPN Edition, 10 IPsec VPN and 10 SSL VPN peers, firewall services, 8-port Fast Ethernet switch
Cisco PIX 501 50 Users	ASA5505-50-BUN-K9	Cisco ASA 5505 Firewall Edition 50-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-UL-BUN-K9	Cisco ASA 5505 Firewall Edition Unlimited-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-SSL10-K9	Cisco ASA 5505 SSL/IPsec VPN Edition, 10 IPsec VPN and 10 SSL VPN peers, firewall services, 8-port Fast Ethernet switch
Cisco PIX 501 Unlimited Users	ASA5505-UL-BUN-K9	Cisco ASA 5505 Firewall Edition Unlimited-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-SEC-BUN-K9	Cisco ASA 5505 Firewall Edition Unlimited-user Security Plus, 8-port Fast Ethernet switch, 25 IPsec VPN and 2 SSL VPN peers, DMZ, stateless Active/Standby high availability, 3DES/AES
	ASA5505-SSL10-K9	Cisco ASA 5505 SSL/IPsec VPN Edition, 10 IPsec VPN and 10 SSL VPN peers, firewall services, 8-port Fast Ethernet switch
Cisco PIX 506E	ASA5505-SEC-BUN-K9	Cisco ASA 5505 Firewall Edition Unlimited-user Security Plus, 8-port Fast Ethernet switch, 25 IPsec VPN and 2 SSL VPN peers, DMZ, stateless Active/Standby high availability, 3DES/AES
	ASA5505-SSL25-K9	Cisco ASA 5505 SSL/IPsec VPN Edition, 25 IPsec VPN and 25 SSL VPN peers, firewall services, 8-port Fast Ethernet switch, Security Plus license
	ASA5510-K8	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, DES
	ASA5510-BUN-K9	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5510-AIP10-K9	Cisco ASA 5510 IPS Edition, AIP-SSM-10, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-CSC10-K9	Cisco ASA 5510 Anti-X Edition, CSC-SSM-10, 50-user antivirus/anti-spyware with 1-yr subscription, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-CSC20-K9	Cisco ASA 5510 Anti-X Edition, CSC-SSM-20, 500-user antivirus/anti-spyware with 1-yr subscription, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-SSL50-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 50 SSL VPN peers, firewall services, 3 Fast Ethernet ports
	ASA5510-SSL100-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 100 SSL VPN peers, firewall services, 3 Fast Ethernet ports
	ASA5510-SSL250-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 250 SSL VPN peers, firewall services, 3 Fast Ethernet ports
Cisco PIX 515E R/DMZ	ASA5510-K8	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, DES
	ASA5510-BUN-K9	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5510-SEC-BUN-K9	Cisco ASA 5510 Firewall Edition Security Plus, 5 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, Active/Standby high availability, 3DES/AES
	ASA5510-AIP10-K9	Cisco ASA 5510 IPS Edition, AIP-SSM-10, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-CSC10-K9	Cisco ASA 5510 Anti-X Edition, CSC-SSM-10, 50-user antivirus/anti-spyware with 1-yr subscription, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-CSC20-K9	Cisco ASA 5510 Anti-X Edition, CSC-SSM-20, 500-user antivirus/anti-spyware with 1-yr subscription, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-SSL50-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 50 SSL VPN peers, firewall services, 3 Fast Ethernet ports
	ASA5510-SSL100-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 100 SSL VPN peers, firewall services, 3 Fast Ethernet ports
	ASA5510-SSL250-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 250 SSL VPN peers, firewall services, 3 Fast Ethernet ports

Cisco PIX 515E UR/FO/FO-AA	ASA5510-SEC-BUN-K9	Cisco ASA 5510 Firewall Edition Security Plus, 5 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, Active/Standby high availability, 3DES/AES
	ASA5510-AIP10-K9	Cisco ASA 5510 IPS Edition, AIP-SSM-10, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-CSC10-K9	Cisco ASA 5510 Anti-X Edition, CSC-SSM-10, 50-user antivirus/anti-spyware with 1-yr subscription, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-CSC20-K9	Cisco ASA 5510 Anti-X Edition, CSC-SSM-20, 500-user antivirus/anti-spyware with 1-yr subscription, firewall services, 250 IPsec VPN and 2 SSL VPN peers, 3 Fast Ethernet ports
	ASA5510-SSL50-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 50 SSL VPN peers, firewall services, 3 Fast Ethernet ports
	ASA5510-SSL100-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 100 SSL VPN peers, firewall services, 3 Fast Ethernet ports
	ASA5510-SSL250-K9	Cisco ASA 5510 SSL/IPsec VPN Edition, 250 IPsec VPN and 250 SSL VPN peers, firewall services, 3 Fast Ethernet ports
Cisco PIX 520 (End of Life as of June 2006)	ASA5520-K8	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, DES
	ASA5520-BUN-K9	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, 3DES/AES
	ASA5520-AIP10-K9	Cisco ASA 5520 IPS Edition, AIP-SSM-10, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-AIP20-K9	Cisco ASA 5520 IPS Edition, AIP-SSM-20, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-CSC10-K9	Cisco ASA 5520 Anti-X Edition, CSC-SSM-10, 50-user antivirus/anti-spyware with 1-yr subscription, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-CSC20-K9	Cisco ASA 5520 Anti-X Edition, CSC-SSM-20, 500-user antivirus/anti-spyware with 1-yr subscription, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-SSL500-K9	Cisco ASA 5520 SSL/IPsec VPN Edition, 750 IPsec VPN and 500 SSL VPN peers, firewall services, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
Cisco PIX 525R	ASA5520-K8	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, DES
	ASA5520-BUN-K9	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, 3DES/AES
	ASA5520-AIP10-K9	Cisco ASA 5520 IPS Edition, AIP-SSM-10, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-AIP20-K9	Cisco ASA 5520 IPS Edition, AIP-SSM-20, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-CSC10-K9	Cisco ASA 5520 Anti-X Edition, CSC-SSM-10, 50-user antivirus/anti-spyware with 1-yr subscription, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-CSC20-K9	Cisco ASA 5520 Anti-X Edition, CSC-SSM-20, 500-user antivirus/anti-spyware with 1-yr subscription, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-SSL500-K9	Cisco ASA 5520 SSL/IPsec VPN Edition, 750 IPsec VPN and 500 SSL VPN peers, firewall services, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
Cisco PIX 525 UR/FO/FO-AA	ASA5520-K8	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, DES
	ASA5520-BUN-K9	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, 3DES/AES
	ASA5520-AIP10-K9	Cisco ASA 5520 IPS Edition, AIP-SSM-10, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-AIP20-K9	Cisco ASA 5520 IPS Edition, AIP-SSM-20, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-CSC10-K9	Cisco ASA 5520 Anti-X Edition, CSC-SSM-10, 50-user antivirus/anti-spyware with 1-yr subscription, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5520-CSC20-K9	Cisco ASA 5520 Anti-X Edition, CSC-SSM-20, 500-user antivirus/anti-spyware with 1-yr subscription, firewall services, 750 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface

Cisco PIX 535	ASA5520-SSL500-K9	Cisco ASA 5520 SSL/IPsec VPN Edition, 750 IPsec VPN and 500 SSL VPN peers, firewall services, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5540-K8	Cisco ASA 5540 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 5000 IPsec VPN and 2 SSL VPN peers, DES
	ASA5540-BUN-K9	Cisco ASA 5540 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 5000 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5540-AIP20-K9	Cisco ASA 5540 IPS Edition, AIP-SSM-20 module, Firewall services, 5000 IPsec VPN and 2 SSL VPN peers, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5540-SSL1000-K9	Cisco ASA 5540 SSL/IPsec VPN Edition, 5000 IPsec VPN and 1000 SSL VPN peers, firewall services, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5540-SSL2500-K9	Cisco ASA 5540 SSL/IPsec VPN Edition, 5000 IPsec VPN and 2500 SSL VPN peers, firewall services, 4 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5550-K8	Cisco ASA 5550 Firewall Edition, 8 Gigabit Ethernet ports + 1 Fast Ethernet interface, 4 Gigabit SFP ports, 5000 IPsec VPN and 2 SSL VPN peers, DES
	ASA5550-BUN-K9	Cisco ASA 5550 Firewall Edition, 8 Gigabit Ethernet ports + 1 Fast Ethernet interface, 4 Gigabit SFP ports, 5000 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5550-SSL2500-K9	Cisco ASA 5550 SSL/IPsec VPN Edition, 5000 IPsec VPN and 2500 SSL VPN peers, firewall services, 8 Gigabit Ethernet ports, 1 Fast Ethernet interface
	ASA5550-SSL5000-K9	Cisco ASA 5550 SSL/IPsec VPN Edition, 5000 IPsec VPN and 5000 SSL VPN peers, firewall services, 8 Gigabit Ethernet ports, 1 Fast Ethernet interface

Product Specifications

	Cisco ASA 5505	Cisco ASA 5510	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550
Users and nodes	10, 50, or unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Firewall throughput	Up to 150 Mbps	Up to 300 Mbps	Up to 450 Mbps	Up to 650 Mbps	Up to 1.2 Gbps
Concurrent threat mitigation throughput (firewall + IPS services)	Not available	Up to 150 Mbps with Cisco ASA 5500 Series Advanced Inspection and Prevention Security Services Module (AIP SSM) 10 (part number AIP-SSM-10); Up to 300 Mbps with Cisco ASA 5500 Series AIP SSM 20 (part number AIP-SSM-20)	Up to 225 Mbps with AIP-SSM-10; Up to 375 Mbps with AIP-SSM-20	Up to 450 Mbps with AIP-SSM-20	Not available
3DES/AES VPN throughput	Up to 100 Mbps	Up to 170 Mbps	Up to 225 Mbps	Up to 325 Mbps	Up to 360 Mbps
IPsec VPN peers	10; 25*	250	750	5000	5000
SSL VPN peers* (included/maximum)	2/25	2/250	2/750	2/2500	2/5000
Concurrent sessions	10,000; 25,000*	50,000; 130,000*	280,000	400,000	650,000
New sessions per second	3,000	6,000	9,000	20,000	28,000
Integrated network ports	8-port Fast Ethernet switch (including 2 PoE ports)	5 Fast Ethernet ports	4 Gigabit Ethernet ports plus 1 Fast Ethernet port	4 Gigabit Ethernet ports plus 1 Fast Ethernet port	8 Gigabit Ethernet ports, SFP fiber, and 1 Fast Ethernet port
Virtual interfaces (VLANs)	3 (trunking disabled) / 20* (trunking enabled)	50/100 *	150	200	250
Security contexts (included/maximum)	0/0	0/0 (Base); 2/5 (Security Plus)	2/20	2/50	2/50
High availability	Not supported; stateless Active/Standby*	Not supported; Active/Active and Active/Standby*	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby
Expansion slot	1, SSC	1, SSM	1, SSM	1, SSM	0

*Available through an upgrade license

C45-364598-01 01/07