

NSA Series Overview



Agenda

- Networking Drivers & Trends
- New Risks & Challenges
- Current Solutions
- Introducing SonicWALL'S NSA Series
 - Product Specs
 - Competition
 - Launch Notes

Networking Drivers & Trends

Business Drivers

- Reduction in operating costs
- Focus on TCO
- Mobilization of the workforce
- Compliance
- Outsourcing growth
- Gaining competitive advantage

Technology Trends

- Growth in real-time & Internet based applications & communication
- SaaS / Web 2.0
- Virtualization of services
- Employees increasingly utilize network services – productive and unproductive
- High speed and available information sharing is critical
- Increases in bandwidth and volume of traffic

The Communications Landscape Is Rapidly Evolving

New Risks



The Disappearing Enterprise Perimeter

- Loss of control of managed end points
- Expansion of network boundaries outside of security solutions
- Performance a key concern for enterprise



New Attack Vectors and Trends

- Growth in “Unidentified Traffic” – SaaS, Web 2.0, IM, P2p, Skype
- Attacks move up the stack toward applications and users
- Real-time demands on the network leave holes open



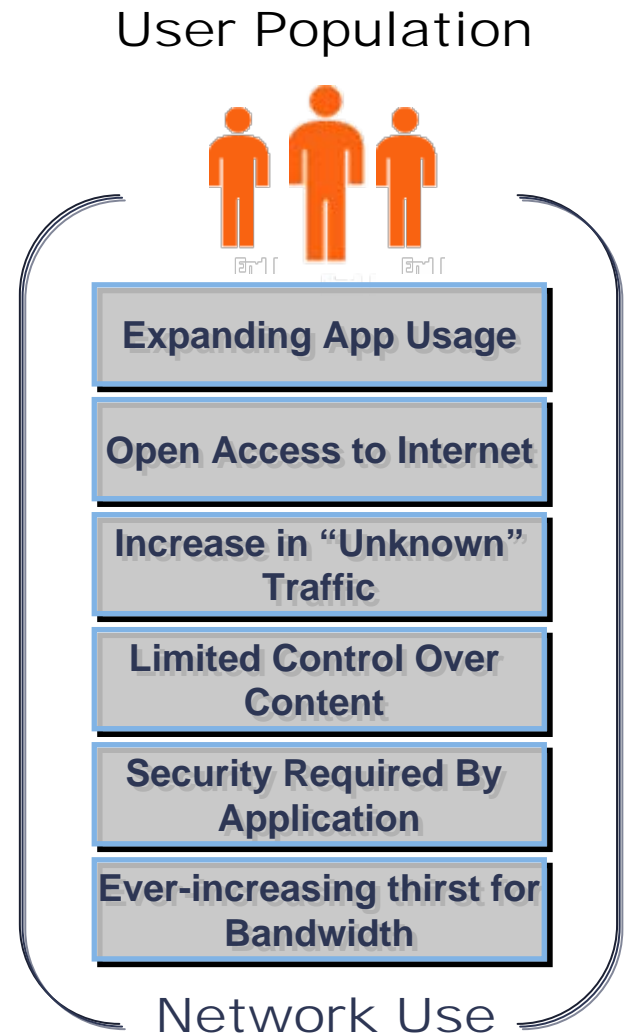
Today's Attackers Mean New Risks

- Targeted and Financially Motivated // not reported
- Cyber crime professionals / Company Insiders
- Data Theft, system downtime, loss of productivity

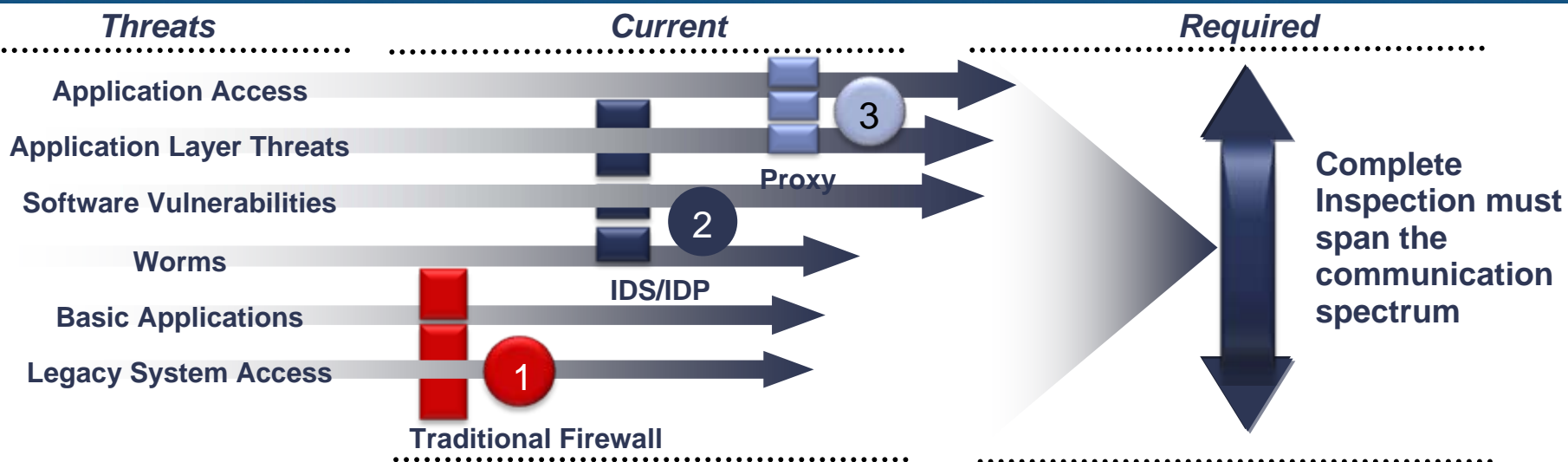
The New Paradigm of Network Communications Brings New Risk

2008 Challenges

- Threats Aren't Decreasing
 - Increases in malware and malcode
 - Threats go invisible
- Poor Application Visibility
 - Abundance of unknown application use
 - Ports are ineffective at blocking application use
 - Network misuse is rampant
- Increased Network Complexity
 - Bandwidth efficiency is a top concern
 - Admins want to manage and control network traffic based on identity



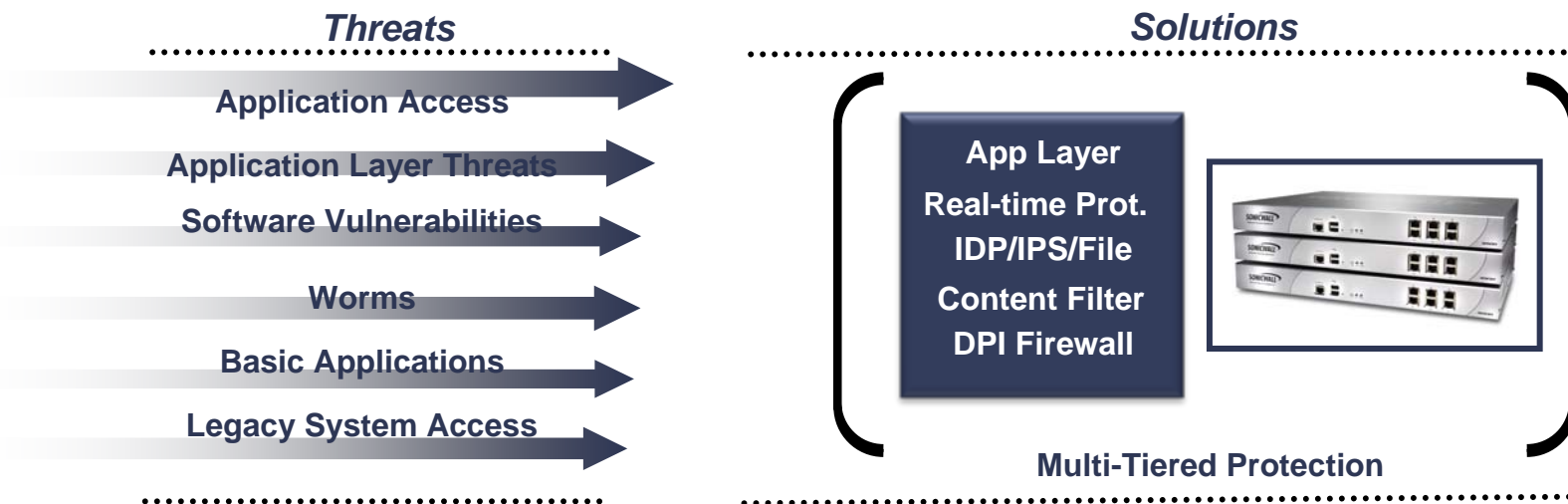
Current Solutions Present Challenges



- Network safeguards are changing with threats; As threats move up the OSI model, inspection must be more complete and scalable
- Application visibility is paramount to overcome the next generation of threats and productivity issues
- Siloed solutions are the current response due to performance but multi-layered protection is the future

Next Generation Security Requirements

What Is the Ideal Solution for Next Generation Protection?



1. Consolidated & Integrated Security Technology

- Covering a Wide Spectrum of Content-based, File-based & Application Layer Attacks

2. Application Visibility

- Inspection of Real-time & Latency Sensitive Applications/Traffic

3. Scalable & High Performing

- High Speed Protection Against Perimeter and Internal Network Challenges

Introducing SonicWALL's NSA Series



Introducing the SonicWALL NSA Series

The SonicWALL® Network Security Appliance (NSA) Series - the first multi-core Unified Threat Management (UTM) platform that delivers application aware Unified Threat Management without compromising performance

NSA 2400



NSA 3500



NSA 4500



NSA 5000

- *Next-Generation Unified Threat Management*
- *Application Visibility & Awareness with ReAssembly-Free DPI (RFDPI)*
- *Revolutionary Multi-Core Performance for Ultimate Scalability*
- *Best-In-Class Performance and Protection*

RFDPI Engine Architecture



Next Generation NSA Architecture

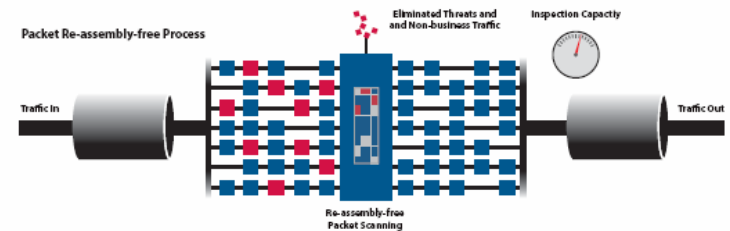
2008 Security Requirements

1. Consolidated & Integrated Security Technology
2. Application Visibility - Inspection of Real-time & Latency Sensitive Applications/Traffic
3. Scalable & High Performing Enough to Protect Against Perimeter and Internal Network Challenges

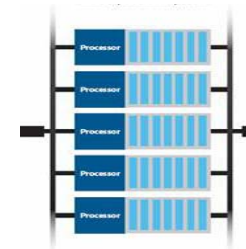
SonicWALL Solution Features



Multi-Tiered Protection Technology



Re-Assembly Free DPI (RFDPI)



Multi-Core High Perf. Architecture

NSA Series Features

Deep Packet Firewall

Application Firewall

Intrusion Prevention

Anti-Malware

Content Filtering

Clean VPN

Bandwidth Management



- ***Multi-Function Security Integration***
 - Complete Threat Protection with IPS & Anti-Malware/Virus/Spyware
 - Content Control & Filtering
- ***Application Visibility***
 - Integrated Application Firewall
 - Control over Applications, Application use & File Types
- ***Ultimate Connectivity***
 - “Clean VPN” Secure IPSec Site-to-Site VPN Connectivity
 - Exceptional User Policy Control and Access to Resources
 - Integrated Wireless Switch
- ***Reliability, Optimization & Flexibility***
 - Business Application Prioritization & QoS
 - Integrated Server Load Balancing Feature-set
 - Flexible Deployments branch office, corporate & department network Applications
 - Award winning: Deployment & Management

Introducing SonicOS 5.0

Service Name	Status
WebInspect	Estimated Updated Nodes
WiFi	Estimated

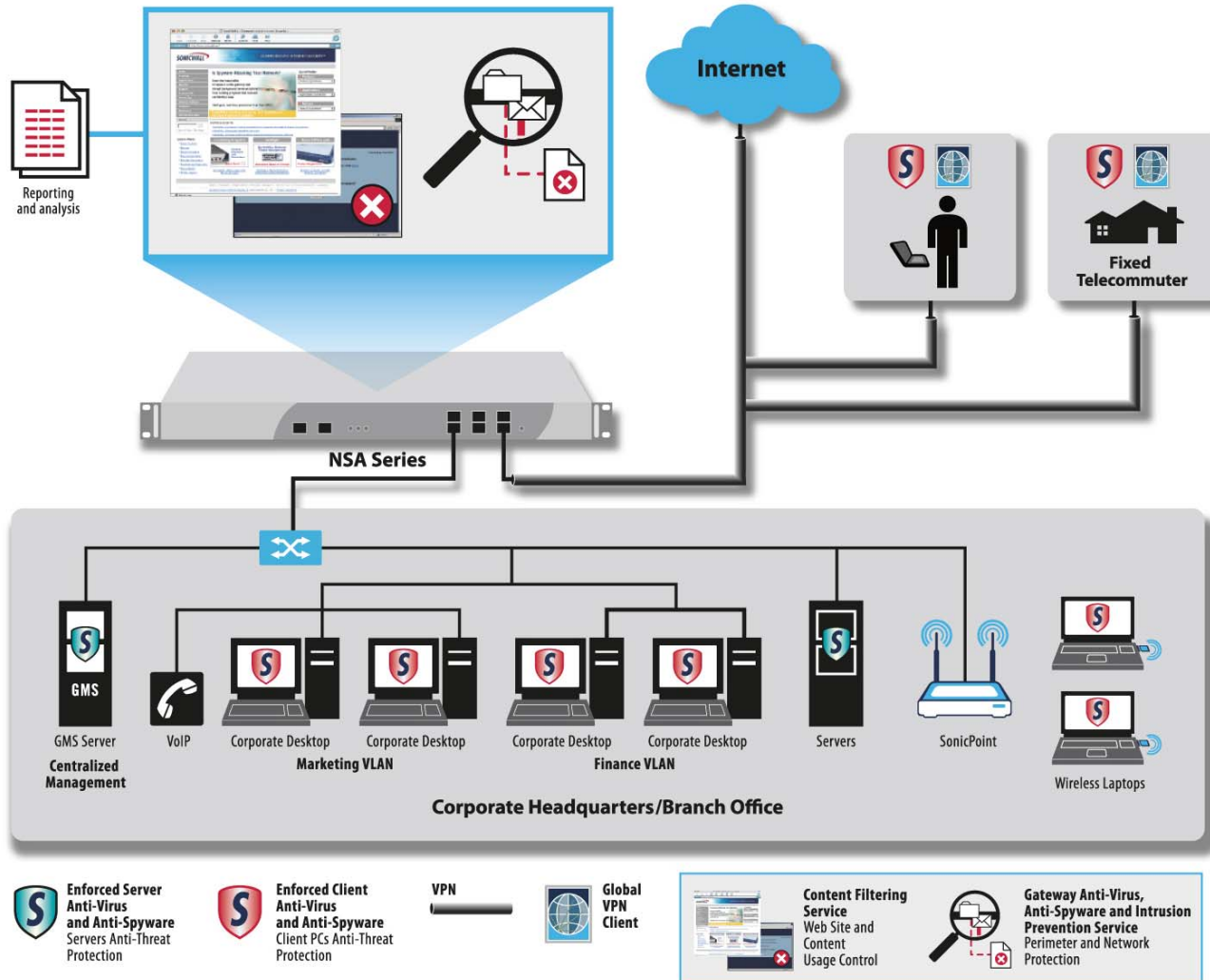
Name	Zone	IP Address	Subnet Mask	IP Assignment	Status	Comment
10	LAN	192.168.168.168	255.255.255.0	Primary Bridged IP	OK	Bridged to 10
11	WAN	192.168.168.70	255.255.255.0	Static	OK	Default WAN
12	LAN	192.168.168.168	255.255.255.0	Secondary Bridged IP	No N/A	Bridged to 10
13	Unassigned	0.0.0.0	0.0.0.0	N/A	No N/A	
14	Unassigned	0.0.0.0	0.0.0.0	N/A	No N/A	
15	Unassigned	0.0.0.0	0.0.0.0	N/A	No N/A	

Interface	Traffic	Bytes
Traffic Statistics	30	11
Outbound Packets	270440	256
Inbound Packets	116531	238
Tx Inbound Packets	69981215	624
Tx Outbound Packets	0	380
Rx Inbound Packets	0	42
Rx Outbound Packets	0	571

- *Application Firewall Feature Set*
- *High Availability with statesync*
- *Integrated Load Balancing*
- *Application Bandwidth Management*
- *Single Sign On*
- *Fully Dynamic GUI*
- *And more...*

**SonicOS 5.0 Redefines Deployment & Management
Simplicity and Functionality**

Deployment Flexibility



Deployments: Central Site, Distributed Networks, Layer 2 Bridge, Wireless Switch, Real-Time Application Protection

SonicWALL GRID Network

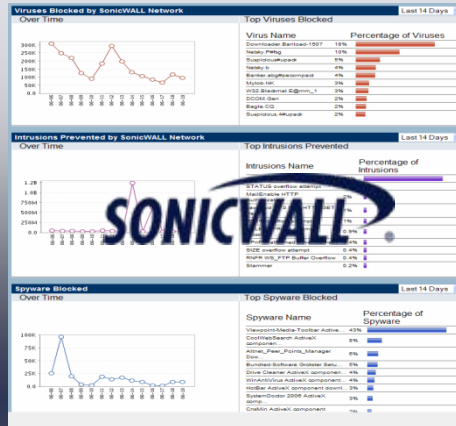
Data Collection

Data Collection

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01010101010101001  
01010101010010101  
01010010101010100  
10101010101010010  
10101010100101010  
0101010100
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Protection Development



24x7 Security Team



Deployed Protection

UTM Appliances

NSA Series



SonicWALL's Global Response Internet Defense (GRID) Network works 24x7 by gathering and sharing security intelligence across all product platforms

NSA Series Overview – Part 1

NSA 5000



NSA 5000

- **Top of the Line NSA Series**
- 1.8GB FW / 350Mbps UTM / 500Mbps IPS
- CPU: 8 Core 550Mhz
- Interfaces: 6 Gig auto-sensing copper; 2 USB, 1 Console
- Features: 18% increase in UTM over 4500, 820Mbps of iMix performance, Increased memory for VPN aggregation, Integrated High Availability with statsync

NSA 4500



NSA 4500

- **Best in Class UTM, FW and VPN performance**
- 1.5GB FW / 300Mbps UTM / 410Mbps IPS
- CPU: 8 Core 550Mhz
- Interfaces: 6 Gig auto-sensing copper; 2 USB, 1 Console
- Features: 75% increase in threat prevention performance over 3500, 3x increase in firewall connections, Integrated High Availability with statsync

NSA Series Overview – Part 2

NSA 3500



NSA 3500

- **Performance & Value**
- 1.0GB FW / 170Mbps UTM / 220Mbps IPS
- CPU: 4 Core 550Mhz
- Interfaces: 6 Gig auto-sensing copper; 2 USB; 1 Console
- Features: Gigabit FW performance, 3-4x increase in threat prevention performance next to competition

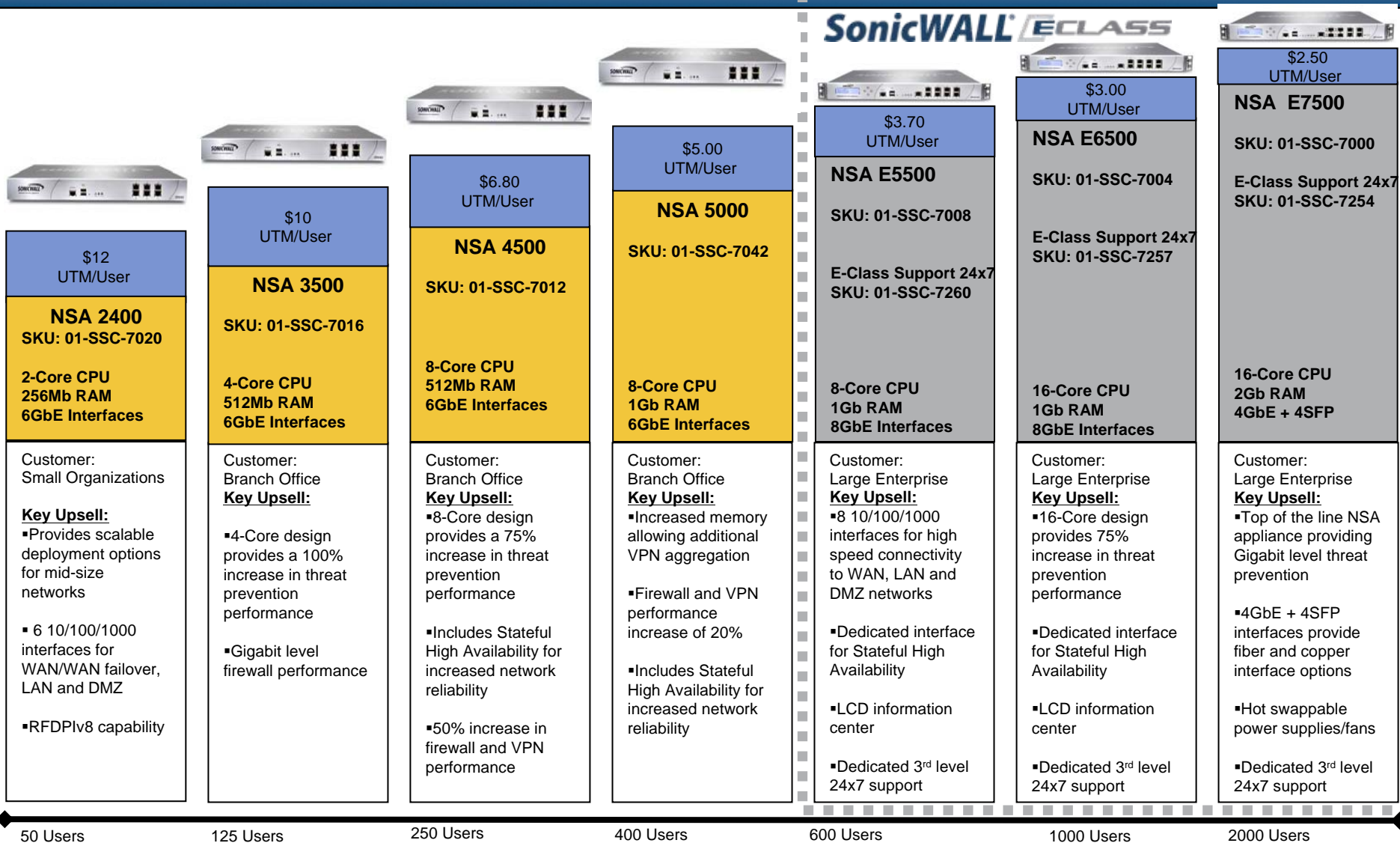
NSA 2400



NSA 2400

- **Performance & Value**
- 450Mbps FW / 50 Mbps UTM / 120Mbps IPS
- CPU: 2 Core 550Mhz
- Interfaces: 6 Gig auto-sensing copper; 2 USB; 1 Console
- Features: 3-4x increase in threat prevention performance next to competition, perfect solution for small-medium business or a branch office that requires full UTM services.

SonicWALL NSA Lineup – 2008



SonicWALL **ECLASS**

50 Users 125 Users 250 Users 400 Users 600 Users 1000 Users 2000 Users

For more information visit www.sonicwall.com or contact sales at 1-888-557-6642 or email sales@sonicwall.com.

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*UTM/User cost is based on threat prevention service cost/users.

Product Specifications



NSA Series



	NSA 2400	NSA 3500	NSA 4500	NSA 5000
Interfaces	6GE	6GE	6GE	6GE
Processor	2-core	4-core	8-core	8-core
Firewall Performance	450 Mbps	1.0 Gbps	1.5 Gbps	1.8 Gbps
VPN Performance	300 Mbps	650 Mbps	1.0 Gbps	1.2 Gbps
IMIX Performance	225 Mbps	440 Mbps	680 Mbps	820 Mbps
IPS Performance**	120 Mbps	220 Mbps	410 Mbps	500 Mbps
GAV Performance**	100 Mbps	310 Mbps	500 Mbps	680 Mbps
Full UTM Performance**	50 Mbps	170 Mbps	300 Mbps	350 Mbps
RAM	256 MB	512 MB	512 MB	1GB
SSL-VPN	Future SonicOS	Future SonicOS	Future SonicOS	Future SonicOS
HA	A/P w/Statesync (opt)	A/P w/Statesync (opt)	A/P w/Statesync	A/P w/Statesync



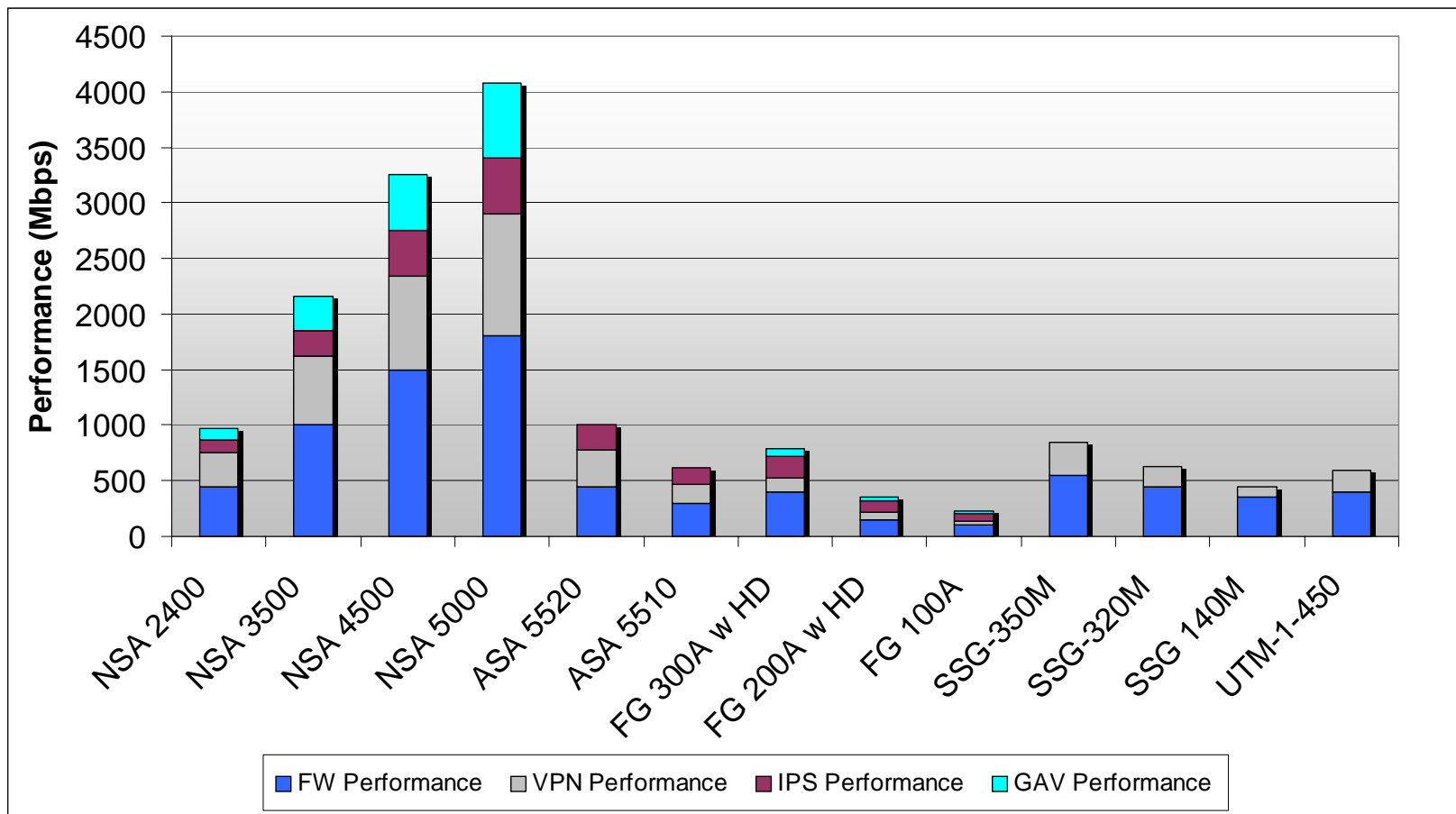
Competition

NSA Competitive Landscape

- Cisco
 - Moved from the PIX in 2005-2006 to ASA 2006 -2007
 - Current ASA models offer limited Threat Prevention capabilities
 - Requires a hardware upgrade (AIP-SSM or CSC-SSM)
 - Support either IPS or GAV no option to run both services on a single ASA appliance
- Fortinet
 - Product family is the FortiGate Series
 - FortiGate solutions are based on custom ASIC technology
 - GAV has limited protocol scanning capabilities
 - No option for Application Firewall
- Juniper
 - Moved from the Netscreen appliances to the SSG series in 2006
 - GAV service has limits on file size and concurrent sessions scanned
 - Has a good chance of winning branch office locations with unique modularity at the low end of the product line
- Checkpoint
 - Great brand perception; Checkpoint is the pioneer of firewalling
 - Recently entered the mid-enterprise market with Checkpoint branded UTM-1 Appliances
 - Checkpoint has predominately been the more expensive solution

Better Protection & Performance

Solutions Are Not Created Equal



Deeper Inspection & Greater Performance

NSA 5000 Competition

Company	SonicWALL	Cisco	Fortinet		Juniper	Checkpoint	Watchguard
Model	NSA 5000	ASA 5520 w AIP-SSM-20 IPS	FG 300A w HD	FG 400A w HD	SSG-520M	UTM-1 450	Peak X6500
Firewall Performance	1.8 Gbps ✓	450 Mbps	400 Mbps	500 Mbps	650 Mbps	400 Mbps	2.3 Gbps
VPN Performance	1.2 Gbps ✓	325 Mbps	120 Mbps	140 Mbps	300 Mbps	190 Mbps	600 Mbps
GAV Performance	680 Mbps ✓	N/A	70 Mbps	100 Mbps	NP*	NP*	170 Mbps
IPS Performance	500 Mbps ✓	375 Mbps	NP*	NP*	NP*	NP*	NP*
UTM Performance	350 Mbps ✓	N/A	NP*	NP*	NP*	NP*	NP*
New Conn./sec	8,500 ✓	9,000	10,000	10,000	10,000	NP*	MP*
Total Connections	600,000 ✓	280,000	400,000	400,000	64,000	500,000	750,000
VPN Tunnels	2,500 ✓	750	3,000	3,000	500	NP*	750
VLAN	256 ✓	150	4096	4096	125	256	NP*
Base HW Interfaces	6 Gbe ✓	4 Gbe + 1 (10/100)	4 (10/100) + 2 Gbe	4 (10/100) + 2 Gbe	4 Gbe	4 Gbe	8 Gbe
Optional Interfaces	None ✓	Yes	None	None	6 Slots	None	None
Fail-over	A/P w Sync ✓	A/P A/A	A/P A/A	A/P A/A	A/P	A/P	A/P
Application Firewall	Yes ✓	Yes	No	No	Limited	Yes	Limited
Secure Wireless	Yes ✓	No	No	No	No	No	No

*Information is not published.

NSA 4500 Competition

Company	SonicWALL	Cisco	Juniper	Checkpoint	Fortinet	Watchguard
Model	NSA 4500	ASA 5510 w CSC-SSM-10 50u AV	SSG-320M	UTM-1 450	FG 200A w HD	Peak X5500e
Firewall Performance	1.5Gbps	300 Mbps	450 Mbps	400 Mbps	150 Mbps	2.0 Gbps
VPN Performance	1.0 Gbps ✓	170 Mbps	175 Mbps	190 Mbps	70 Mbps	400 Mbps
GAV Performance	500Mbps ✓	NP*	NP*	NP*	30 Mbps	140 Mbps
IPS Performance	410Mbps ✓	N/A	NP*	NP*	NP*	NP*
UTM Performance	300Mbps ✓	N/A	NP*	NP*	NP*	NP*
New Conn./sec	7,500	6,000	10,000	NP*	4,000	NP*
Total Connections	450,000 ✓	50,000	48,000	500,000	400,000	500,000
VPN Tunnels	1,500 ✓	250	250	NP*	200	750
VLAN	256	50	125	256	4096	NP*
Base HW Interfaces	6 Gbe	5 (10/100)	4 Gbe	4 Gbe	8 (10/100)	8 Gbe
Optional Interfaces	None	None	3 Slots	None	None	None
Fail-over	A/P w sync ✓	A/P	A/P A/A	A/P	A/P A/A	A/P
Application Firewall	Yes ✓	Yes	Limited	Yes	No	Limited
Secure Wireless	Yes ✓	No	No	No	No	No

NSA 3500 Competition

Company	SonicWALL	Cisco	Juniper	Fortinet	WatchGuard	
Model	NSA 3500	ASA 5510 w CSC-SSM-10 50u AV	SSG 140M	FG 200A w HD	Core X750	Core X1250e
Firewall Performance	1.0 Gbps	300 Mbps	350 Mbps	150 Mbps	750 Mbps	1.5 Gbps
VPN Performance	650 Mbps ✓	170 Mbps	100 Mbps	70 Mbps	50 Mbps	100 Mbps
GAV Performance	310 Mbps ✓	NP*	NP*	30 Mbps	70 Mbps	100 Mbps
IPS Performance	220 Mbps ✓	N/A	NP*	NP*	NP*	NP*
UTM Performance	170 Mbps ✓	N/A	NP*	NP*	NP*	NP*
New Conn./sec	5,000	6,000	8,000	4,000	NP*	NP*
Total Connections	128,000 ✓	50,000	32,000	400,000	75,000	200,000
VPN Tunnels	800 ✓	250	125	200	100	400
VLAN	128	50	100	4096	NP*	NP*
Base HW Interfaces	6 Gbe	5 (10/100)	8 (10/100) + 2 Gbe	8 (10/100)	8 Gbe	8 Gbe
Optional Interfaces	None	None	4 Slots	None	None	None
Fail-over	A/P w sync ✓	A/P	A/P AA	A/P A/A	A/P	A/P
Application Firewall	Yes ✓	Yes	Limited	No	Limited	Limited
Secure Wireless	Yes ✓	No	No	No	No	No

*Information is not published.

**Competitive data obtained from vendor datasheet

NSA 2400 Competition

Company	SonicWALL	Cisco	Juniper	Fortinet	Check Point	WatchGuard
Model	NSA 2400	ASA 5510 w CSC-SSM-10 50u AV	SSG 140M	FG 200A w HD	UTM-1 270	Core X750
Firewall Performance	450 Mbps	300 Mbps	350 Mbps	150 Mbps	400 Mbps	750 Mbps
VPN Performance	300 Mbps ✓	170 Mbps	100 Mbps	70 Mbps	100 Mbps	50 Mbps
GAV Performance	100 Mbps ✓	NP*	NP*	30 Mbps	NP*	70 Mbps
IPS Performance	120 Mbps ✓	N/A	NP*	NP*	NP*	NP*
UTM Performance	50 Mbps ✓	N/A	NP*	NP*	NP*	NP*
New Conn./sec	3,000	6,000	8,000	4,000	NP*	NP*
Total Connections	48,000	50,000	32,000	400,000	400,000	75,000
VPN Tunnels	75	250	125	200	NP*	100
VLAN	128	50	100	4096	256	NP*
Base HW Interfaces	6 GbE	5 (10/100)	8 (10/100) + 2 GbE	8 (10/100)	4 GbE	8 GbE
Optional Interfaces	None	None	4 Slots	None	None	None
Fail-over	A/P w sync ✓	A/P	A/P AA	A/P A/A	A/P, A/A	A/P
Application Firewall	Yes ✓	Yes	Limited	No	Limited	Limited
Secure Wireless	Yes ✓	No	No	No	No	No

Thank You!

