SonicWall WAN Acceleration Appliance (WXA) Series

Significantly enhanced WAN application performance and user experience

In today's distributed enterprise, efficient utilization of bandwidth, increased security, and ease of deployment and management are important factors when considering a WAN acceleration solution. Throughput can be exhausted by collaboration applications such as Microsoft® SharePoint and Windows® File Sharing. At the same time, due to the popularity of Web 2.0 and social media, an exponential increase in Internet traffic is already overburdening WAN bandwidth. This inefficient utilization of available bandwidth results in higher latency, lowering employee productivity. Spending more on increased bandwidth or enhanced services, or purchasing disparate point solutions, does not resolve the problem.

The SonicWall™ WAN Acceleration Appliance (WXA) Series enables you to easily and securely enhance WAN application performance at remote and branch offices, thus improving the end user experience that leads to increased productivity. Unlike standalone WAN acceleration products that are deployed either behind the firewall or between the firewall and WAN router, the SonicWall WXA Series is an integrated add-on to the SonicWall Next-Generation Firewall (NGFW). The solution enables comprehensive scanning for intrusions and malware before accelerating the traffic across the VPN or dedicated WAN link, thus maximizing security and performance. The WXA optimizes performance and reduces latency by

transmitting only new or changed data across the network after initial file transfer, resulting in dramatically reduced traffic volumes. In addition, the managing firewall enables you to identify and prioritize application traffic while the WXA minimizes traffic between sites.

The SonicWall solution streamlines the placement, deployment, configuration, routing, management and integration of the WXA with other components such as VPNs. Consolidating WAN acceleration with core NGFW technologies including intrusion prevention, anti-malware, and application intelligence, control and visualization at the gateway significantly increases security while lowering the total cost of ownership.

The powerful combination of a SonicWall NGFW and WXA enables you to more efficiently manage your bandwidth and simplify NGFW and WAN acceleration deployment and management without compromising security. SonicWall makes it easy for you to add one or more WXA solutions into your network by providing a variety of platform options including both hardware and virtual appliances as well as software.

Features and benefits

Drastically simplify deployment, routing and integration of multiple WXA appliances across your network through complete provisioning and configuration by a SonicWall NGFW.

Benefits:

- Simplified deployment, routing and integration
- Increased security
- Protocol optimization
- Byte caching and file caching
- Scalability through clustering
- Reduced TCO
- Data compression
- Windows File Sharing (WFS) acceleration
- HTTP (Web) caching
- Visualization
- WAN acceleration client software
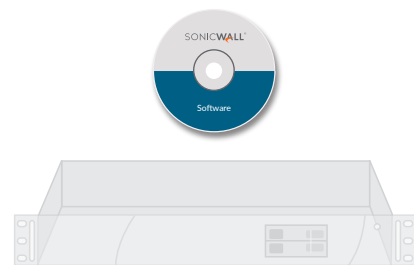
Add a layer of security by scanning all data for threats before sending it to the WAN Acceleration Appliance using SonicWall Reassembly-Free Deep Packet Inspection® technology.

Optimize network efficiency to give users LAN-like application performance over your WAN by decreasing latency and chattiness presented due to inefficient protocols or application communication.

Extend the long-term value of your existing WAN links and enhance the user experience by dramatically reducing bandwidth consumption through byte and file caching.

Scale to meet the needs of a growing user population through clustering, which enables several SonicWall WXA solutions to be linked together at each location.

Reduce total cost of ownership (TCO) by increasing efficiency and overall utilization of your existing WAN bandwidth, thus avoiding costly WAN upgrades.
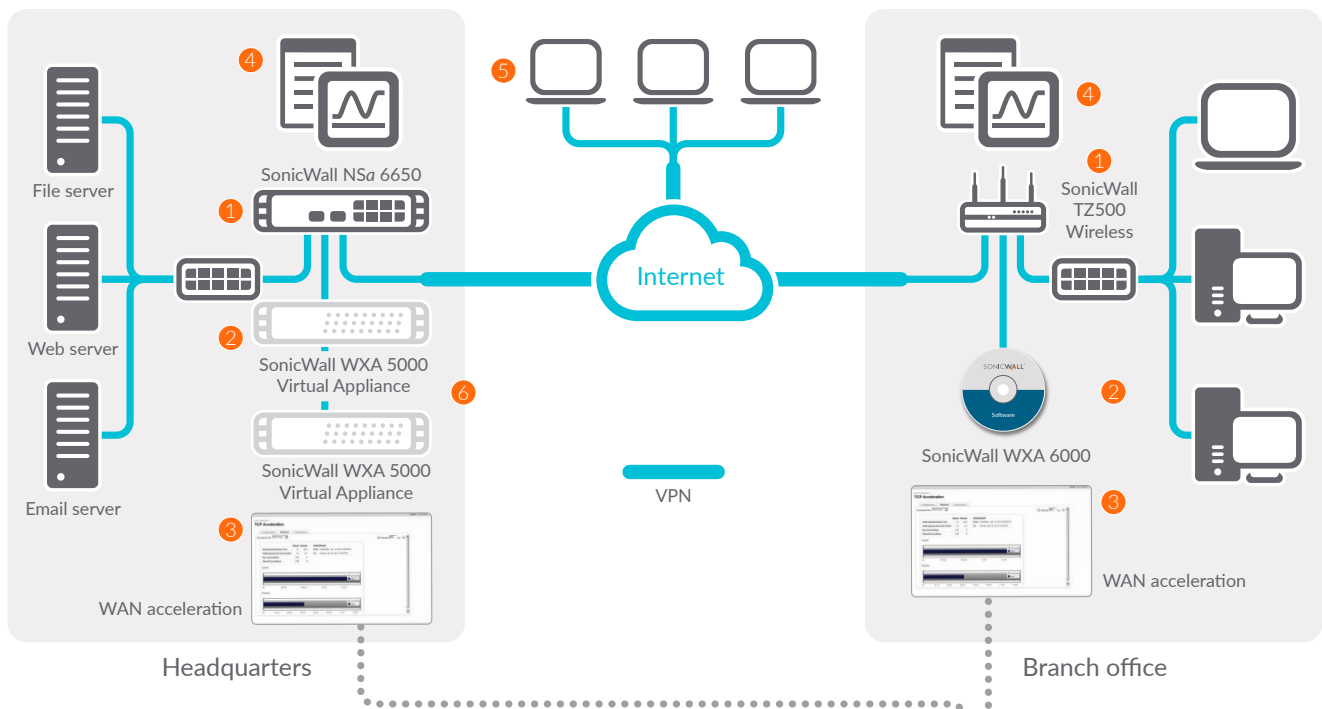
Increase performance and reduce latency with data compression across the WAN.

Improve response time while decreasing the amount of data transferred when downloading or accessing files from a shared drive, using Windows File Sharing (WFS) acceleration.

Increase browser response time while decreasing bandwidth using HTTP (Web) caching.

Get better insight into performance gains from WAN acceleration with real-time visualization.

WAN acceleration client software allows traffic initiated from remote Windows PCs or laptops running NetExtender to be accelerated.

Headquarters

File server

Web server

Email server

SonicWall NS*a* 6650

SonicWall WXA 5000 Virtual Appliance

SonicWall WXA 5000 Virtual Appliance

WAN acceleration

Internet

VPN

Branch office

SonicWall TZ500 Wireless

SonicWall WXA 6000

WAN acceleration

TCP Acceleration

1 SonicWall NGFW appliances provide site-to-site VPN connectivity between a remote or branch office and the main corporate headquarters.
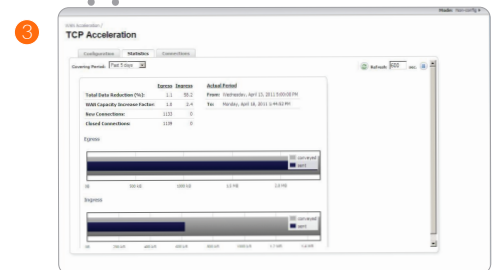
2 SonicWall WXA solutions improve WAN performance by decreasing latency, while reducing the amount of data traversing through the VPN.
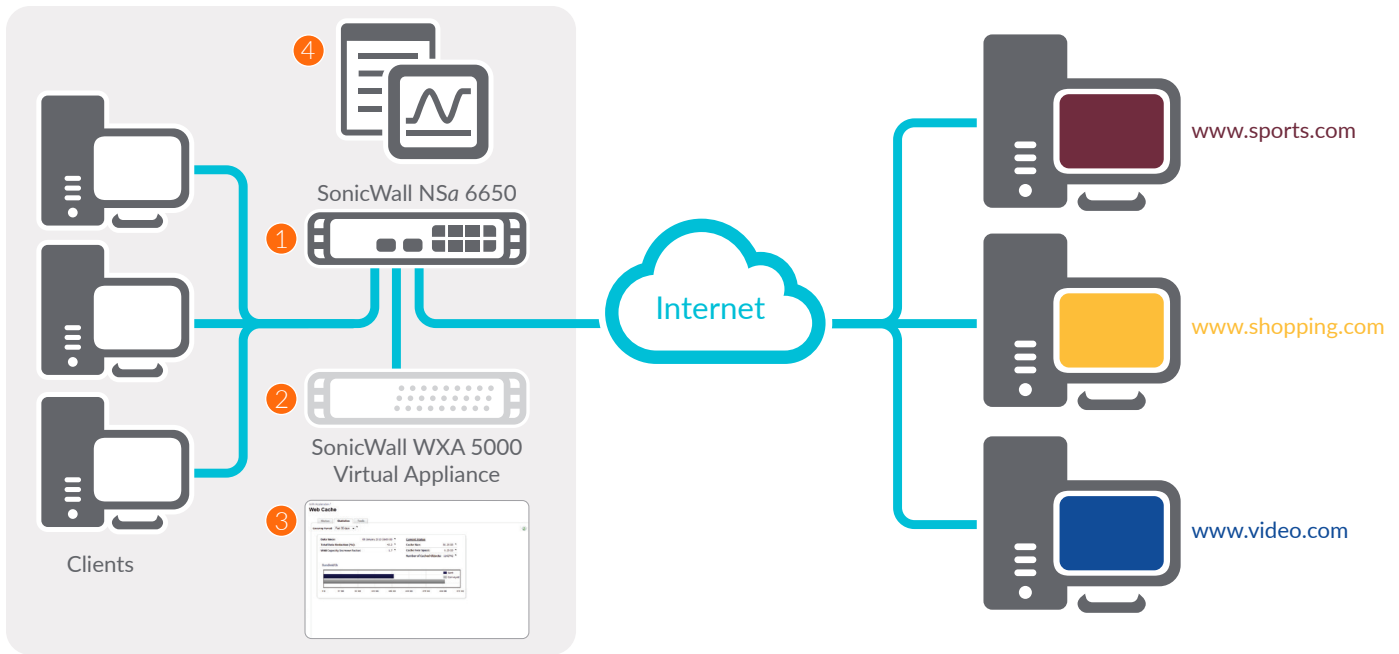
3 Visualization shows the performance gains and benefits of introducing WAN acceleration into the network.

4 SonicWall Application Intelligence and Control prioritizes and controls application traffic.

5 SonicWall NetExtender using WAN acceleration client software.

6 Cluster several SonicWall WXA solutions together to increase scalability.

SONICWALL®

SonicWall NS*a* 6650

SonicWall WXA 5000
Virtual Appliance

Clients

Internet

www.sports.com

www.shopping.com

www.video.com

1.   *SonicWall NGFW appliances provide Deep Packet Inspection (DPI) scanning for malware and intrusions.*

2.   *SonicWall WXA solution provides Web (HTTP) caching to decrease bandwidth utilization and improves browser response times.*

3.   *Visualization shows the performance gains and benefits of introducing WAN acceleration into the network.*

4.   *SonicWall Application Intelligence and Control prioritizes and controls application traffic.*

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Specifications

	WXA 500 Software	WXA 5000 Virtual Appliance	WXA 6000 Software
Platform	Software[5]	Virtual appliance	Software[5]
Maximum users[1]	20	360	2,000
Maximum connections	100	1,800[3]	10,000
Maximum web caching connections	100	1,800[3]	10,000
Included/maximum concurrent WXA client licenses[4]	2/20	2/125	2/125
Byte caching		Yes	
TCP/file compression		Yes	
Management		Requires SonicOS 5.8.1 or later	
Clustering[6]	—	Yes	Yes
CIFS/SMB acceleration	Yes[2]		
Signed SMB support		Yes	
WFS/TCP visualization		Yes	
SNMP		Yes	
Syslog		Yes	
Operating system		Hardened SonicWall Linux OS	

	WXA 500 Software only	WXA 6000 Software only
Dell hardware	Dell Inspiron 3847, Dell XPS 8700	Dell PowerEdge R320 Server

	WXA 5000 Virtual Appliance only	
Hypervisor	VMware ESX or ESXi version 5.0 or higher	Microsoft Windows Server 2012 or 2012 R2 with the Hyper-V role enabled
Virtual appliance requirements	SonicWall WXA 1.3.2 release notes	
VMware Hardware Compatibility Guide	vmware.com/resources/compatibility/search.php	

[1]*Maximum users may vary depending on the number of connections being generated per user.*
[2]*CIFS/SMB acceleration is available only when the WXA software image is installed on the supplied Dell hardware.*
[3]*The max number of connections is dependent on the hardware specifications and may vary depending on the hardware configuration. The specifications provided are the minimum requirements to run the WXA Virtual Appliance.*
[4]*NetExtender is required in order to use the WXA client software. Please refer to the WXA release notes for supported operating systems.*
[5]*The WXA 500 and 6000 software can be downloaded from www.mysonicwall.com and requires specific Dell hardware in order to operate.*
[6]*Requires SonicOS 6.2 or higher.*

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WXA series ordering information

Product	SKU
SonicWall WXA 500 Software with Software Subscription and Dynamic Support 24x7 (1-year)	01-SSC-9438
SonicWall WXA 5000 Virtual Appliance with Software Subscription and Dynamic Support 24x7 (1-year)	01-SSC-9444
SonicWall WXA 6000 Software including 1 Year Software Subscription and Dynamic Support 24x7	01-SSC-9078

Software and Support Renewals	SKU
SonicWall WXA 500 Software Subscription and Dynamic Support 24x7 (1-year)*	01-SSC-9446
SonicWall WXA 5000 Virtual Appliance including Software Subscription and Dynamic Support 24x7 (1-year)*	01-SSC-9455
SonicWall WXA 6000 Software Subscription and Dynamic Support 24x7 (1-Year)	01-SSC-9079

Two and three-year options are also available

About Us

SonicWall has been fighting the cybercriminal industry for over 27 years, defending small, medium-sized businesses and enterprises worldwide. Our combination of products and partners has enabled an automated real-time breach detection and prevention solution tuned to the specific needs of the more than 500,000 organizations in over 215 countries and territories, so you can do more business with less fear. For more information, visit www.sonicwall.com or follow us on Twitter, LinkedIn, Facebook and Instagram.

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