

# Application Intelligence, Control and Visualization

Granular application control, intelligence and real-time visualization

It can be a real challenge for IT administrators to efficiently deliver critical corporate solutions while also contending with employee use of wasteful and often dangerous applications. Critical applications need bandwidth prioritization while social media and gaming applications need to be bandwidth throttled or completely blocked. Stateful packet inspection firewalls used in many organizations rely on port and protocol, they cannot solve the problem because they are not able to identify applications. Boiling it down, stateful packet inspection firewalls cannot sort out the good from the bad.

Scanning every byte of every packet of all network traffic, Dell™ SonicWALL™ provides complete application intelligence and control, regardless of port or protocol, by determining exactly what applications are being used and who is using them. Dell SonicWALL Next-Generation Firewalls leverage a continuously expanding threat signature database that recognizes thousands of applications and detects millions of pieces of malware to protect the network automatically and seamlessly. The solution detects and eliminates malware, intrusions, data leakage and policy violations before they cause harm to a company's network or its users.

Dell SonicWALL Application Intelligence, Control and Visualization puts power back into the hands of IT administrators with new levels of management and ease-of-use, allowing them to maintain granular control of applications and users. Administrators can easily create bandwidth management policies based on logical pre-defined categories (such as social media or gaming), individual applications, or even users and groups. As new applications are created, new signatures are pushed to the firewalls and the appropriate policies are automatically updated without IT spending costly time and effort to update rules and application objects. Application traffic analytics enable administrators to troubleshoot network outages and security threats with increased responsiveness and efficiency, ensuring an immediate return on investment. Further, application traffic analytics provide a comprehensive view of events and activities to strengthen security awareness and manage employee network utilization.

Application intelligence and control is available along with Dell SonicWALL Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention as a one, two or three year subscription, or is included in Dell SonicWALL Comprehensive Gateway Security Suite subscriptions for the TZ Series, Network Security Appliance (NSA) and E-Class NSA Series firewalls.



- Application intelligence
- Application control
- Application visualization
- Application traffic analytics suite
- Data leakage prevention
- Application-level bandwidth management
- Automated signature updates
- Deep packet inspection for SSL traffic

## Features and benefits

**Application intelligence** leverages SonicWALL's Reassembly-Free Deep Packet Inspection® to scan every packet to identify applications in use and who is using them. Dell SonicWALL maintains a signature database to protect networks automatically and seamlessly.

**Application control** enables flexible, configurable application policies to throttle or block applications and files, URLs, and email attachments based upon application type, network user, schedules, custom signatures, and more.

**Application visualization** provides real-time graphs of applications, ingress and egress bandwidth consumed, users, currently visited web sites and more. In addition, it is possible to export the same data to any NetFlow/IPFIX analyzer for offline monitoring, troubleshooting and diagnostics of historical network activity.

**Application traffic analytics** provides real-time and historical analysis of data transmitted through the firewall including application activities by user.

**Data leakage prevention** blocks and controls transmission of sensitive, data via FTP uploads, or as attachments to personal web mail services such as Hotmail® or Gmail®, as well as corporate SMTP and POP3 email.

**Application-level bandwidth management** ensures Quality of Service (QoS) by dedicating throughput for mission-critical applications or groups at specific times of the day.

**Automated signature updates** ease administration by ensuring that the network is protected against the latest threats.

**Deep Packet Inspection for SSL traffic** extends protection to the SSL encrypted traffic, enabling enhanced compliance, content filtering, data leak prevention and can eliminate another vector for malware. Encrypted traffic is decrypted, inspected and re-encrypted transparently to the user and can be configured for both inbound and outbound connections.\*

\*DPI SSL Upgrade Licenses available for NSA 220 and above.

# Next-Generation Firewall with application intelligence, control and visualization

## Identify

- By application
  - Not by port and protocol
- By user/group
  - Not by IP
- By content inspection
  - Not by filename



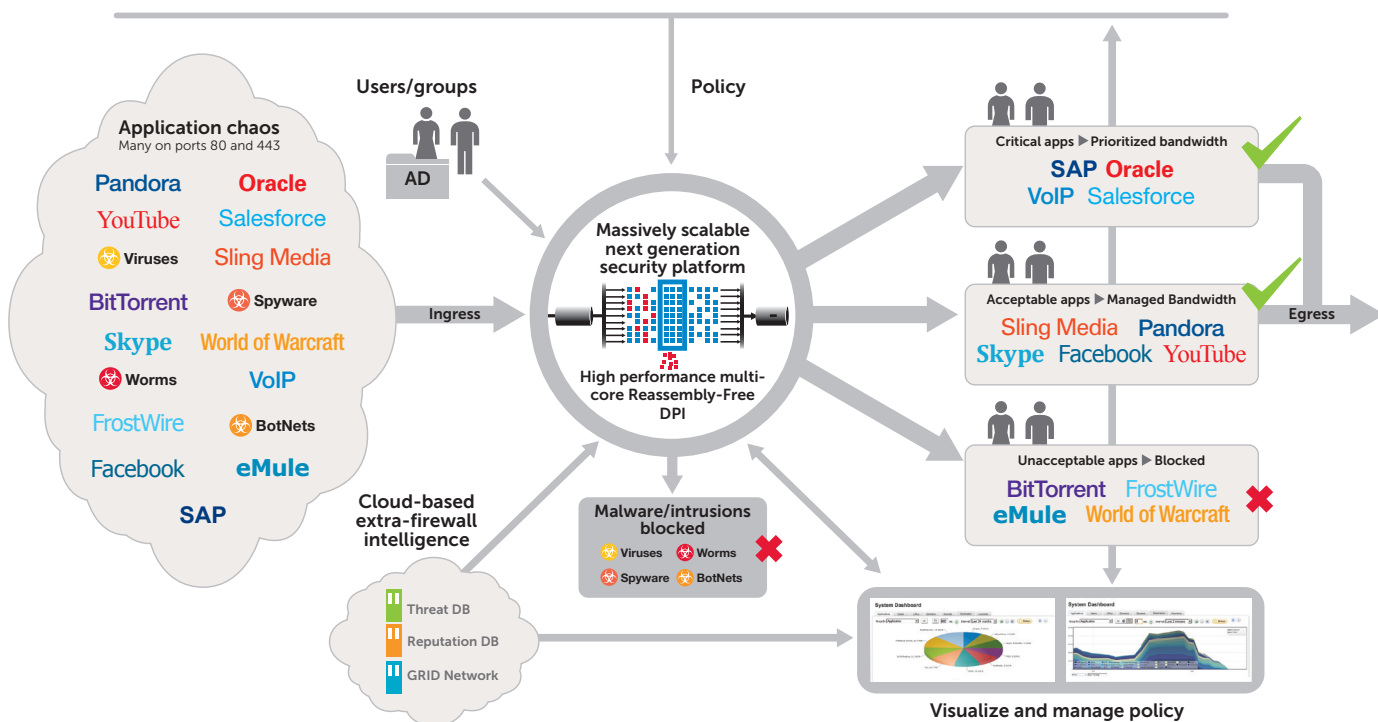
## Categorize

- By application
- By application category
- By destination
- By content
- By user/group



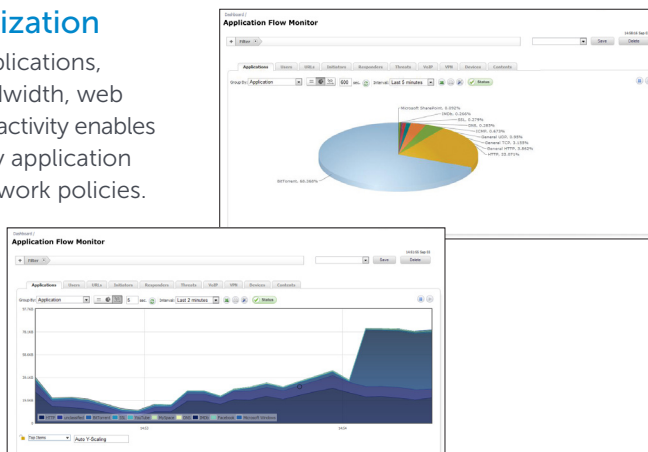
## Control

- Prioritize applications by policy
- Manage applications by policy
- Block applications by policy
- Detect and block malware
- Detect and prevent intrusion attempts



## Application visualization

Real-time graphs of applications, ingress and egress bandwidth, web sites visited and all user activity enables administrators to modify application rules to conform to network policies.



### Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, and Application Intelligence and Control Service

NSA E8510 (1-year)  
01-SSC-9265  
NSA E8500 (1-year)  
01-SSC-8940  
NSA E6500 (1-year)  
01-SSC-6131  
NSA E5500 (1-year)  
01-SSC-6132  
NSA 5000 (1-year)  
01-SSC-6159  
NSA 4500 (1-year)  
01-SSC-6133  
NSA 3500 (1-year)  
01-SSC-6134  
NSA 2400 (1-year)  
01-SSC-6135  
NSA 250M Series (1-year)  
01-SSC-4570  
NSA 220 Series (1-year)  
01-SSC-4612  
TZ 215 Series (1-year)  
01-SSC-4757  
TZ 205 Series (1-year)\*  
01-SSC-4799  
TZ 105 Series (1 year)\*  
01-SSC-4844

\*Advanced application intelligence and control is not available on these models.

Multi-year subscription services are available.

To access SKUs for the complete line of Dell SonicWALL network security appliances, please visit [www.sonicwall.com](http://www.sonicwall.com).

## Feature list

### Application intelligence capabilities

- Scans and identifies all traffic independently of ports or protocols for complete control
- Data leakage functionality with user defined content to monitor
- Application-level bandwidth management provided by a rich and constantly expanding application signature database and powerful rule creation
- Predefined and custom actions such as Bandwidth Manage, Log, Log and Block, Custom User Messages, Bypass DPI
- Deep Packet Inspection of traffic tunneling over SSL encrypted protocols

### Signature database

- Dynamically-updated database containing thousands of application and content-based signatures

### Logging and application traffic analytics

- Advanced next-generation syslog reporting
- Application traffic analytics through Dell SonicWALL Analyzer, Scrutinizer or Global Management System
- Netflow/IPFIX with Extensions logging for additional off-the-box traffic analysis and visualization

### Scalability

- Able to scan large numbers of concurrent downloads of unlimited file size

For more information on Dell SonicWALL's suite of value-added security services including Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service, Application Intelligence and Control, Comprehensive Anti-Spam Service, Enforced Client Anti-Virus and Anti-Spyware and Content Filtering Service, please visit our web site at [www.sonicwall.com](http://www.sonicwall.com).