

Web Security Appliances

SG6000 Series

Optimized Appliances designed to protect, control and accelerate Web content



Today's demands for Web-based information and streaming media cause security risks, costly bandwidth upgrades, and lower productivity. Blue Coat Systems solutions enable organizations to protect, control and accelerate Web content and applications – while integrating with existing network and security infrastructure.

Blue Coat Systems' SG6000 Series utilizes patent-pending software technology operating on optimized hardware platforms to provide policy-based Web security and content delivery. From real-time Web virus scanning to malicious code protection, from content filtering to bandwidth management, the SG6000 Series offers the scalability and performance required in the most demanding environments.

Introducing the SG6000 Series:

- High performance security and content delivery for streaming media and Web content
- Line speed, content-level processing of Web objects scales existing infrastructure
- Advanced Policy Processing Engine enforces granular policies according to flexible rules set by the administrator
- Integrated URL Filtering restricts access to inappropriate content
- Integrated caching reduces bandwidth utilization up to 60% and reduces user response times
- Policy-based “scan once, serve many” model enables real-time processing for Web (HTTP) virus scanning
- Support for multiple, simultaneous authentication methods enables secure, authorized access to Web content
- Enables all downloads or uploads of potentially harmful content to be secured

Contact Blue Coat Systems

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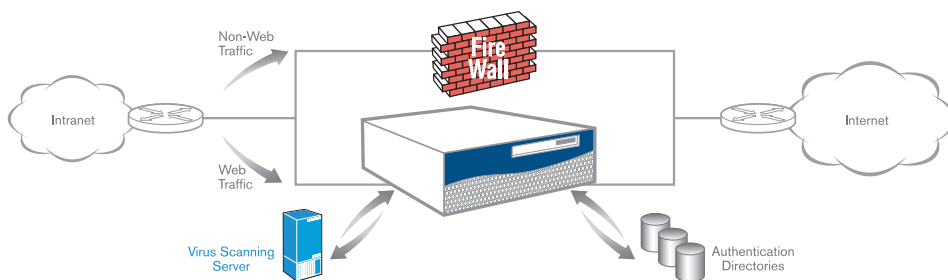
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Web Security Appliances

SG6000 Series

Blue Coat Systems' SG6000 appliances integrate security and content delivery for multiple applications, providing the protection, control and performance organizations need to maximize their investments.



Overview

Innovative Solution

Blue Coat Systems SG6000 Series is the industry's first security gateway appliance optimized for Web protocols and port 80 content. Based on the Secure Gateway operating system, the SG6000 is the ideal choice for protecting and accelerating Internet applications such as Web browsing, instant messenger services, personal web-based email (eg. Yahoo! and Hotmail) and rich multimedia content. The use of these Web applications exposes the organization to new security threats from Web viruses, hostile mobile code, and inappropriate Web content - all of which use HTTP, or Port 80, as an "open door" into the network.

The SG6000 Series is optimized for Web security and content management functions including Web virus scanning, content security, URL filtering, bandwidth management and intelligent caching. Working together, these functions provide end users with the responsiveness they expect while giving administrators the security they demand. The SG6000 works with existing routers, switches, firewalls and servers to reduce the complexity, cost, and management needed for comprehensive management of Web content.

The Blue Coat Systems Advantage

Blue Coat Systems products incorporate unique, patent-pending technology to deliver highly reliable Web security and content delivery. Taking advantage of our Web proxy caching expertise, Blue Coat has developed the Web Knowledge Framework (WKF) and the Policy Processing Engine (PPE) – integral components of every SG6000 appliance providing the foundation for scalable, policy-based security and content delivery required in today's corporate environments.

Applications

Web Virus Scanning

"Scan once, serve many" model allows real-time scanning and scalability with existing virus server solutions.

Content Security

Parses inbound Web and multimedia content and strips out malicious mobile code and active content invisible to other security devices.

Content Filtering

Integrated URL filtering enables IT staff to prevent users from accessing inappropriate content.

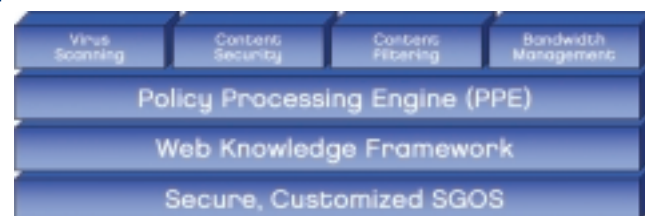
Bandwidth Management

Provides the content positioning, intelligent caching and bandwidth control needed to keep your network running optimally and ensure capacity is available for mission-critical applications.

Proxy Server Replacement

High-performance, scalable replacement for existing proxy servers.

Blue Coat's Policy Processing Engine makes content-level decisions based on the knowledge embedded in the Web Knowledge Framework. The customized environment of the SG operating system enables the PPE to make these granular decisions in real-time, unlike competing solutions that run on standard servers.



Product Features

The SG6000 combines patent-pending software with modular hardware configurations to deliver unparalleled security, manageability and scalability. Designed with high availability and performance in mind, the SG6000 Series easily scales to meet the needs of large enterprise and service provider environments.

Key Software Features

Policy Processing Engine – Patent-pending system enables sophisticated security policies based on individual users, groups of users, time of day, location, protocol, user agent, content type and much more.

Web Knowledge Framework – Core technology understands critical information for every Web transaction including network identifiers, authentication credentials, content types, protocols, methods, headers, browser types, url, and much more , providing the data used for processing and enforcement by the Policy Processing Engine

Visual Policy Manager – Browser-based Java software application with an intuitive graphical user interface for defining and managing security policies . Administrators can set policies based on user or group information, content type, URL categorization, time of day, location, subnet, user domain and other factors.

Comprehensive Authentication – Supports proxied and transparent user authentication to multiple, diverse back-end authentication directories. Support includes RADIUS, LDAP and NTLM. Network level authentication enables identification of users based on IP address, subnet, or other network identifier.

Intelligent Caching of Web Content – patent-pending proxy caching technology ensures intelligent caching of content – including content requiring authentication at origin servers. Supported authentication types for cached data include LDAP, RADIUS, and NTLM for HTTP, Windows Media and Real Networks authenticated content.

Virus Scanning – ICAP (Internet Content Adaptation Protocol) support allows for scanning of Web-based viruses delivered over HTTP through integration with leading anti-virus solutions.

Browser Identification – apply corporate usage policies based on browser and media player version to reduce risk associated with employees using versions with known security flaws.

Denial of Service Attack Resistance – Distinguishes between valid and malicious connections to continue servicing legitimate users while resisting DOS attacks. (delete this feature only if you need more space)

URL Filtering – Allows organizations to implement policies that manage, restrict and log access to web content by user, group, or subnet through integrated, subscription-based solutions from Secure Computing and Websense™

MIME Type Filtering – Allows organizations to implement policies for both uploaded and downloaded content by MIME type.

Streaming Bandwidth Control – Allows organizations to define limits for the total amount of network capacity available for streaming media as well as the maximum streaming bandwidth individual users can request. Multimedia streaming types supported include Real Networks, Microsoft Windows Media, Apple QuickTime, MP3 and Flash.

Content Transformation – Limit or strip and replace what information is available in content headers so that information about the corporate network isn't available on the Internet

Configuration Management – Both graphical user and command line interfaces for managing, configuring, monitoring and upgrading Blue Coat appliances remotely.

Blue Coat Director – Separate management appliance enables secure centralized configuration and policy management for all Blue Coat appliances within an enterprise.

Comprehensive Logging and Reporting - Provides complete visibility and reporting to network and security administrators detailing information and all events managed and monitored by the SG800.

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SG6000 Series

The Web Security Authority.

Key Platform Features

- Simple-to-manage appliance installs in minutes with little ongoing maintenance
- Flexible, modular approach allows expansion and customization of storage, memory and network interface cards
- Configuration restoration allows system configuration to be archived, including all system settings, filtering and policies
- Removable, hot-swappable disk drives for true fault tolerance
- Field Serviceable and Upgradeable

Configuration & Specification Chart

	Model 6026	Model 6046	Model 6086	Model 6286	Model 6287
System					
Disk drives	2 x 36 GB Ultra 160 SCSI	4 x 36 GB Ultra 160 SCSI	8 x 36 GB Ultra 160 SCSI	8 x 36 GB Ultra 160 SCSI (Optional SG6586 ¹ expansion kit allows for additional 8 x 36 GB Ultra 160 SCSI)	8 x 73 GB Ultra 160 SCSI (Optional SG6587 ² expansion kit allows for additional 8 x 73 GB Ultra 160 SCSI)
RAM	768 MB	1.5 GB	2.5 GB	4 GB	4 GB
Network Interfaces	(1) integrated; supports up to (3) additional 10/100/1000 Base-T interfaces				
Operating System	Security Gateway OS or CacheOS™				
Operating Environment					
Power	AC power 100-240V, 47-63Hz, 300 Watts DC power 42-56VDC, 300 Watts				
Temperature	5°C to 40°C (41°F to 104°F)				
Humidity	Less than 90% relative humidity, non-condensing				
Altitude	Up to 3048 M (10,000 ft)				
Dimensions and Weight					
Enclosure	19" Rack-mountable				
Height	177.8 mm (7.0 in); 4 rack units				
Width	442 mm (17.4 in)				
Depth	603.25 mm (23.75 in)				
Weight	22.93kg (50.55 lb)	24.89kg (54.85 lb)	27.67kg (61 lb)	30.30kg (66.80 lb)	30.30kg (66.80 lb)
Regulations					
Emissions	FCC Class A, EN55022 Class A				
Safety	CSA C22.2 No. 950 M95, UL 1950 3 Edition, EN60950				
Support	Standard warranty: 90-day software & phone support with 1-year hardware support; extended and upgraded support plans available				

¹ The SG6586 expansion kit weighs 28.19kg (62.15 lb) and has the same height, width and depth measurements as the SG6286 listed above

² The SG6587 expansion kit weighs 28.19kg (62.15 lb) and has the same height, width and depth measurements as the SG6287 listed above