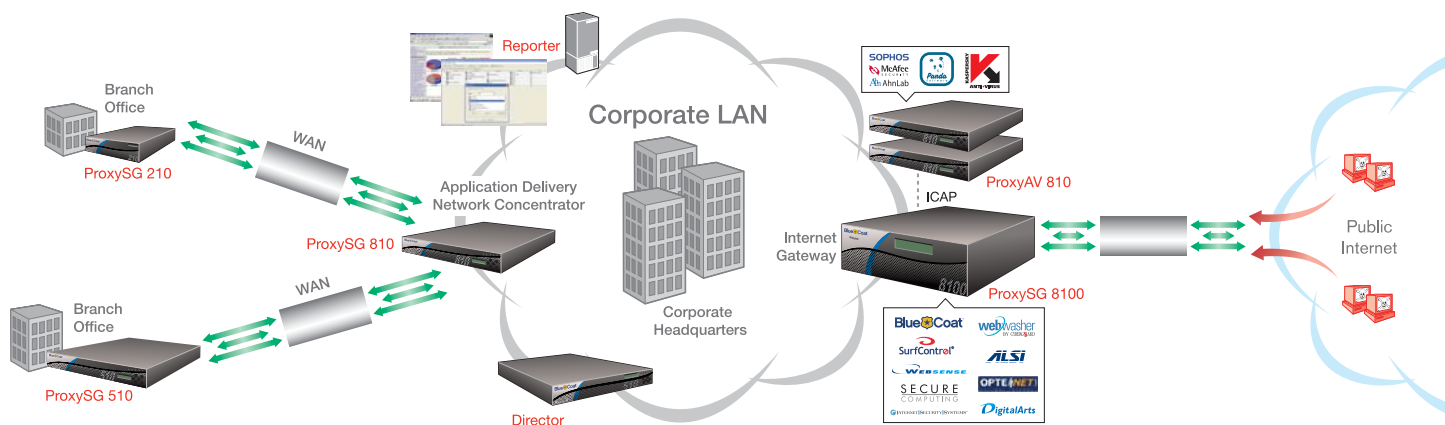


SGOS Proxy Edition

The foundation of Blue Coat's application delivery infrastructure, Blue Coat ProxySG appliances establish points of control that accelerate and secure business applications for users across the distributed organization. As the world's leading proxy appliance, the Blue Coat ProxySG is a powerful yet flexible tool for improving both application performance and security, removing the need for compromise:



- **Performance** – Blue Coat's patented MACH5 acceleration technology combines five different capabilities onto one box. Together they optimize application performance and help ensure delivery of critical applications. User and application fluent, MACH5 improves the user experience no matter where the application is located, internally or externally on the Internet.
- **Security** – Blue Coat's industry leading security architecture addresses a wide range of requirements, including filtering Web content, preventing spyware and other malicious mobile code, scanning for viruses, inspecting encrypted SSL traffic, and controlling IM, VoIP, P2P, and streaming traffic.
- **Control** – Blue Coat's patented Policy Processing Engine empowers IT to make intelligent decisions. Using a wide range of attributes such as user, application, content and others, organizations can effectively align security and performance policies with corporate priorities.



The Blue Coat ProxySG family of appliances delivers a scalable solution, accelerating the delivery of business applications and securing Web communications for enterprises of all sizes.

Acceleration — MACH5

Blue Coat MACH5 technology is a patent-pending combination of five separate application management and tuning technologies that provide unrivaled improvements in application performance and bandwidth utilization. Whether at the edge of your network, or right in the heart of it, MACH5 technology provides a powerful toolkit for meeting any application delivery challenge. These technologies include:

Bandwidth Management

- Assign priority and network resources based not only on port or device, but on users, applications and content to more accurately reflect your corporate policies on the network.

Protocol Optimization

- Improve the performance of protocols that are inefficient over the WAN through specific enhancements that make them more tolerant to the higher latencies typically found there.

Byte Caching

- Cache repetitive traffic found in the byte stream and serve it locally to reduce the amount of traffic that actually uses the WAN at all.

Object Caching

- Store files, videos and Web content locally, providing LAN-like performance for WAN users, without the overhead and risk of traditional wide area file services.

Compression

- Inline compression can reduce predictable patterns even on the first pass, making it an ideal complement to byte caching technology.

MACH5 Acceleration Client

- SG Client software extends MACH5 acceleration capabilities to the desktop to improve the performance of applications and access to network file shares for remote users – such as mobile employees, telecommuters and small branch offices – connecting over VPNs or the WAN.

Control — Proxy Services

The Blue Coat ProxySG provides a layered policy approach allowing companies to balance their communication needs with current business and Internet risks. The Blue Coat ProxySG provides unmatched flexibility and scalability.

Proxy support for multiple protocols

- HTTP, CIFS, SSL, FTP, MAPI, Telnet, SOCKS, P2P, AOL IM, Yahoo IM, Microsoft IM, MMS, RTSP, QuickTime, TCP-Tunnel, DNS
- Bandwidth management on all proxy services
- SSL Termination & Proxy (forward and reverse)
- Extend all controls (content, user, application, etc) to encrypted traffic for all users and applications—both inside and outside the enterprise

Content Filtering and Security

- On-proxy support of leading URL lists, popular regional lists, custom lists, or custom categories
- Strip and replace Web content P2P file sharing controls
- Log and block P2P traffic
- Control BitTorrent, eDonkey, Gnutella, and FastTrack

Web virus scanning

- ProxyAV integration with ProxySG
- Choice of anti-virus engines

IM Logging and Controls

- MSN, Yahoo!, AOL Messengers
- Method level control settings

Spyware Prevention and control

- Block spyware while allowing legitimate applications
- Control pop-ups and phishing scams

Streaming controls

- MS, Real, QuickTime
- Stream splitting & caching

Performance and Reliability — SGOS

The purpose-built Blue Coat ProxySG appliance provides flexible control with wire-speed performance allowing a company to advise, coach and enforce granular policies down to individual users. Key SGOS and platform highlights include:

Platform highlights:

- Secure object-based operating system with small footprint.
- High-speed caching with advanced object pipelining and adaptive refresh.
- Built-in pass-through network card, compression services, bandwidth management, plus optional SSL off loading.

Network functionality including:

- Active/Active bridging support using virtual IP addressing for failover and remote installations.

- Routing configurations for gateway, route tables, RIP, DNS, and WCCP.
- Health checks performed on a forwarding host or external servers to verify status and availability of device.
- 19" Rack mountable (with kit) or portable use Integrated support services.
- View & submit service requests via the Blue Coat management interface.
- Send snapshots (trace files) to Blue Coat Support Services for faster resolution.

Manageability — Policy Processing Engine

The patent-pending Policy Processing Engine enables sophisticated security triggers based on individual users, groups of users, time of day, location, protocol, hostname user agent, content type and other attributes to initiate policy actions. These comprehensive capabilities include:

Authentication

- Utilize a company's existing authentication source for integrated SSO, including local password files, NTLM, LDAP (Active Directory, eDirectory, SunOne), CA eTrust SiteMinder, Microsoft Kerberos, Oracle Access Manager, RADIUS and certificates
- Multi-realm authentication sequencing
- Forms-based authentication support

Powerful management interface

- Web-based management interface
- Optional command line interface
- Alerting via SNMP, SMTP and logging administrative events

Comprehensive policy definitions

- Graphical Visual Policy Manager with layered policy definitions
- Definable triggers and actions for policy definition

Content Policy Language (CPL)

- Create custom text-based policies to address unique policy requirements
- Built-in text editor for CPL allows sample code to be copied and pasted from Blue Coat TechBriefs or Support Services advisories

Extended Management with Director

- Distribute, backup, restore policy files for multiple Blue Coat ProxySG appliances
- Manage policies by device, group, or region
- Job scheduling/job status reporting

Management and Control of SG Clients

- Configure, provision and maintain global deployment of SG Clients
- Control which applications are accelerated by user
- Upgrade client versions seamlessly with auto version detection and update

Visibility — Management Reporting

Visibility is the key to managing employee Web communications in the enterprise. Blue Coat provides the tools needed to log and track user interactions over the Internet and across corporate boundaries.

Default logging

- HTTP, HTTPS, CIFS, MAPI, FTP, Telnet, SOCKS, P2P, TCP-Tunnel, ICP, IM, Windows Media, Real Media, QuickTime, DNS
- Global log file limits and upload sizing
- Client upload settings and scheduling

Custom logging and trace files

- Selectable fields/text/log formats

Statistics

- Bandwidth Gain
- HTTP/HTTPS/FTP history
- IM data
- Streaming history
- Resources

SNMP Support

- Trap settings, community strings

Aggregate Blue Coat ProxySG logs with Reporter

- Reporter Dashboard™ - intuitive console that provides a "drill-able" overview of Web activity
- 150+ pre-defined reports track user activity, security risks, and Web traffic performance
- Secure browser access/role-based viewing
- Provides real-time reporting with continuous log uploads from one or more ProxySGs

Configuration & Specification Chart

SG210 Series	SG210-5	SG210-10	SG210-25	
License Capacity Concurrent Connections	10	50	Unlimited	Dimensions and Weight Enclosure Desk/wall mount, rack mountable* (*specific rack mount kit required).
System Disk drives	1x80GB IDE	1x250GB IDE	1x250GB IDE	
RAM	512MB	1GB	1GB	Weight (maximum) 2.6kg(5.8lb)
Network Interfaces	(2) integrated (on board) 10/100Base-T NICs with passthrough	(2) integrated (on board) 10/100Base-T NICs with passthrough	SSL Offload card	Operating Environment Power AC power 100-240V, 50-60Hz, 6.3-3.0A
Optional NICs/Cards	SSL Offload card	None		Maximum Power 45 Watts
				Thermal Rating 153.63 BTU/Hr
				Temperature 5°C to 35°C (41°F to 95°F)
				Humidity Less than 90% relative humidity, non-condensing
				Altitude Up to 3048 M (10,000 ft)

SG510 Series	SG510-5	SG510-10	SG510-20	SG510-25	
License Capacity Concurrent Connections	50	100	300	Unlimited	Dimensions and Weight Enclosure 19" Rack-mountable
System Disk drives	2x80GB SATA	2x320GB SATA	2x320GB SATA	2x320GB SATA	
RAM	2GB RAM	2GB RAM	2GB RAM	2GB RAM	Weight (maximum) 12.3kg(27lb) 12.7kg(28lb) 12.7kg(28lb) 12.7kg(28lb)
Network Interfaces	(2) integrated (on board) 10/100/1000 Base-T NICs	(2) integrated (on board) 10/100/1000 Base-T NICs	2x10/100/1000Base-T card (dual GigE with passtru)	SSL card	Operating Environment Power AC power 100-240V, 50-60Hz, 6.3-3.0A
Optional Cards	SSL Offload card	None			Maximum Power 150 Watts
Optional NICs	2x10/100/1000Base-T card (dual GigE) 2x10/100/1000Base-SX card (dual GigE Fibre) 4x10/100/1000Base-T card (quad GigE with passtru)				Thermal Rating 512 BTU/Hr
					Temperature 5°C to 35°C (41°F to 95°F)
					Humidity Less than 90% relative humidity, non-condensing
					Altitude Up to 3048m (10,000ft)

SG810 Series	SG810-5	SG810-10	SG810-20	SG810-25	
License Capacity Concurrent Connections	500	700	1000	Unlimited	Dimensions and Weight Enclosure 19" Rack-mountable
System Disk drives	2x73GB SCSI Ultra 320	2x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	
RAM	2GB RAM	4GB RAM	6GB RAM	6GB RAM	Weight (maximum) 14.1kg(31lb) 14.5kg(32lb) 15.4kg(34lb) 15.4kg(34lb)
Network Interfaces	(2) integrated (on board) 10/100/1000Base-T NICs	(2) integrated (on board) 10/100/1000Base-T NICs	2x10/100/1000Base-T card (dual GigE with passtru)	SSL card	Operating Environment Power AC power 100-240V, 50-60Hz, 6.3-3.0A
Optional Cards	SSL Offload card	None			Maximum Power 375 Watts
Optional NICs	2x10/100/1000Base-T card (dual GigE) 2x10/100/1000Base-SX card (dual GigE Fibre) 4x10/100/1000Base-T card (quad GigE with passtru)				Thermal Rating 1280.25 BTU/Hr
					Temperature 5°C to 35°C (41°F to 95°F)
					Humidity Less than 90% relative humidity, non-condensing
					Altitude Up to 3048m (10,000ft)

SG8100 Series	SG8100-5	SG8100-10	SG8100-20	SG8100-25	
License Capacity Concurrent Connections	1000	1500	2300	Unlimited	Dimensions and Weight Enclosure 19" Rack-mountable
System Disk drives	2x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	8x300GB SCSI Ultra 320	8x300GB SCSI Ultra 320	
RAM	4GB RAM	6GB RAM	8GB RAM	8GB RAM	Weight (maximum) 25.4kg(56lb) 27.2kg(60lb) 30.8kg(68lb) 30.8kg(68lb)
Network Interfaces	(2) integrated (on board) 10/100/1000 Base-T NICs Dual GigE NIC card	(2) integrated (on board) 10/100/1000 Base-T NICs	4x10/100/1000Base-T card (quad GigE with passtru)	SSL card	Operating Environment Power Supply AC power 100-240V, 50-60Hz, 6.3-3.0A *DC power option for SG8100-25 only
Optional Cards	SSL Offload card	SSL Offload card (optional 2nd SSL Offload card)			Maximum Power 525 Watts
Optional NICs	2x10/100/1000Base-T card (dual GigE) 4x10/100/1000Base-T card (quad GigE) 4x10/100/1000Base-SX card (quad GigE Fibre)				Thermal Rating 1792 BTU/Hr
					Temperature +5°C to +40°C (41°F to 104°F)
					Humidity Less than 90% relative humidity, non-condensing
					Altitude Up to 3000 M (9,483 ft)

For All SG Series

Regulations

Emissions	FCC Class A, EN55022 Class A, VCCI Class A No.1706609, BSMI, CCC, C-tick
Safety	CSA C22.2 No. 950 M95, UL 60950 3rd Edition, EN60950, TUV-GS, TUV-S, CCC, BSMI
Standards	UL/CSA, TUV-S, BSMI, C-tick, CCC, CE

Support Standard Warranty

90-day software & phone support with 1-year hardware support; extended and upgraded support plans available



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