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.

FEATURES

Acceleration — MACH5

Bandwidth Management
-> Assign priority and network resources based on port, device, applications or content to reflect corporate policies

Protocol Optimization
-> Improve inefficient protocols by making them more tolerant to higher latencies

Byte Caching
-> Cache repetitive traffic found in the byte stream and serve it locally to reduce WAN traffic

Object Caching
-> Store files, videos and Web content locally, providing LAN-like performance over WAN

Compression
-> Inline compression can reduce predictable patterns even on the first pass

MACH5 Acceleration Client
-> SG Client software extends MACH5 acceleration capabilities to remote users connecting over VPNs or the WAN

Control — Proxy Services

Proxy support for multiple protocols
-> HTTP, CIFS, SSL, FTP, MAPI, P2P, MMS, RTSP, QuickTime, TCP-Tunnel, DNS
-> Bandwidth management on all proxy services
-> SSL Termination & Proxy (forward and reverse)
-> Control encrypted traffic for all users and applications inside & 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 and malware
-> Control pop-ups and phishing scams

Streaming controls
-> MS, Real, QuickTime
-> Stream splitting & caching

Performance & Reliability — SGOS

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, and 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

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 policy by device, group, or region
-> Job scheduling/job status reporting

Management & Control of SG Clients
-> Configure, provision and maintain global deployment of SG Clients
-> Accelerate applications by user
-> Upgrade client versions seamlessly with auto version detection and update

Visibility — Management Reporting

Default logging
-> HTTP, HTTPS, CIFS, MAPI, FTP, TCP-Tunnel, P2P, ICP, 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
-> Streaming history
-> Resources

SNMP Support
-> Trap settings, community strings

Aggregate Blue Coat ProxySG Logs with Reporter
-> Reporter Dashboard™ 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

SG210 SERIES

	SG210-5	SG210-10	210-25
License Capacity - Concurrent Users			
With ADN Enabled	10	50	Unlimited
Without ADN Enabled	30	150	Unlimited
System			
Disk drives	1x80GB IDE	1x250GB IDE	1x250GB IDE
RAM	512MB	1GB	1GB
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	(2) integrated (on board) 10/100Base-T NICs with passthrough
Optional NICs/Cards	SSL Offload Card	None	None

Physical Properties

Dimensions and Weight

Enclosure	Desk/wall mount, rack mountable* (*specific rack mount kit required).
Dimensions (L x W x H)	35.6cm x 19.1cm x 4.4cm (14in x 7.5in x 1.72in)
Weight (maximum)	2.6kg(5.8lb)

Operating Environment

Power	AC power 100-240V, 50-60Hz, 6.3-3.0A
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 Users				
With ADN Enabled	50	125	300	Unlimited
Without ADN Enabled	200	500	1200	Unlimited
System				
Disk drives	2x80GB SATA	2x320GB SATA	2x320GB SATA	2x320GB SATA
RAM	2GB RAM	2GB RAM	2GB RAM	2GB RAM
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 passthru) SSL card		
Optional Cards	SSL Offload card	None		
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 passthru)			

Physical Properties

Dimensions and Weight

Enclosure	19" Rack-mountable			
Dimensions (L x W x H)	58cm x 44cm x 4.4cm (22.8in x 17.4in x 1.7in)			
Weight (maximum)	12.3kg(27lb)	12.7kg(28lb)	12.7kg(28lb)	12.7kg(28lb)

Operating Environment

Power	AC power 100-240V, 50-60Hz, 6.3-3.0A
Maximum Power	150 Watts
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 Users				
With ADN Enabled	500	700	1000	Unlimited
Without ADN Enabled	2500	3500	5000	Unlimited
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
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 passthru) SSL card		
Optional Cards	SSL OffLoad card	None		
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 passthru)			

Physical Properties

Dimensions and Weight

Enclosure	19" Rack-mountable			
Dimensions (L x W x H)	58cm x 44cm x 4.4cm (22.8in x 17.4in x 1.7in)			
Weight (maximum)	14.1kg(31lb)	14.5kg(32lb)	15.4kg(34lb)	15.4kg(34lb)

Operating Environment

Power	AC power 100-240V, 50-60Hz, 6.3-3.0A
Maximum Power	375 Watts
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
License Capacity - Concurrent Users			
With/Without ADN Enabled	Unlimited	Unlimited	Unlimited
System			
Disk drives	2x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	8x300GB SCSI Ultra 320
RAM	4GB RAM	6GB RAM	8GB RAM
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 passthru) SSL card	
Optional Cards	SSL Offload card - only available for 8100-5		
Optional NICs	2x10/100/1000Base-T card (dual GigE) 4x10/100/1000Base-T card (quad GigE) 4x10/100/1000Base-SX card (quad GigE Fibre)		

Physical Properties

Dimensions and Weight

Enclosure	19" Rack-mountable		
Dimensions (L x W x H)	59.2cm X 44.2cm X 17.652cm (23.3in X 17.4in X 6.95in)		
Weight (maximum)	25.4kg(56lb)	27.2kg(60lb)	2308kg(68lb)

Operating Environment

Power	AC power 100-240V, 50-60Hz, 6.3-3.0A
Maximum Power	525 Watts
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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