DELIVER A SUPERIOR USER EXPERIENCE

As the foundation of Blue Coat's Application Delivery Network (ADN), Blue Coat ProxySG appliances accelerate and secure business applications for users across the distributed enterprise. The Blue Coat ProxySG Acceleration Edition is a powerful yet flexible solution for improving application performance. Deployed at both remote branches and in the network core, ProxySG appliances form a transparent, secure and fast application delivery infrastructure to improve user productivity and reduce bandwidth expense.

FEATURES

Acceleration

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

ProxyClient™

-> Remote acceleration for file and application performance software extends 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 and outside the enterprise

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 interfaces, compression services, bandwidth management and SSL off loading

Network functionality including:

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

-> Completely transparent when tunneling applications between appliances, maintaining IP and port information for traffic management

-> Native support for advanced clustering for near limitless scalability, without additional load balancing appliances

-> Routing configurations for gateway, route tables, RIP, DNS, and WCCP, with support for asymmetric routing of application delivery tunnels

-> Health checks performed on a forwarding host or external servers to verify status and availability of device

-> 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

Powerful management interface

-> Web-based management interface

-> Optional command line interface

-> Alerting via SNMP, SMTP and logging administrative events

Content Policy Language (CPL)

-> Create custom text-based policies to address unique policy requirements

-> Definable triggers and actions for policy definition

Extended Management with Director

-> Distribute, backup, restore policy files for multiple ProxySG appliances

-> Manage policies by device, group, or region

-> Job scheduling/job status reporting

Management & Control of ProxyClient

-> Configure, provision and maintain global deployment of ProxyClient

-> 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
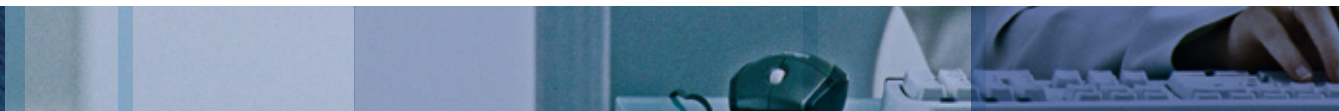
-> Bandwidth Gain

-> HTTP/HTTPS/FTP history

-> Streaming history

-> Resources

SNMP Support

-> Trap settings, community strings

Aggregate 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

License Type	Acceleration Edition	Proxy Edition
Windows Media Streaming	Yes	Yes
Real Media Streaming	Yes	Yes
QuickTime Streaming	Yes	Yes
Bandwidth Management	Yes	Yes
HTTP proxy	Yes	Yes
MAPI proxy	Yes	Yes
DNS proxy	Yes	Yes
Forwarding	Yes	Yes
ProxyClient	Yes	Yes
SOCKS proxy	No	Yes

License Type	Acceleration Edition	Proxy Edition
Telnet proxy	No	Yes
ICAP Services	No	Yes
Netegrity SiteMinder	No	Yes
Oblix COREid	No	Yes
Peer-To-Peer	No	Yes
User Authentication	No	Yes
Onbox Content Filtering (3rd Party or BCWF)	No	Yes
Offbox Content Filtering (e.g. Websense)	No	Yes
Instant Messaging (AOL, Yahoo, and MSN)	No	Free
SSL Termination/Proxy	Add-On	Add-On

ProxySG 9000 Series	SG9000-5	SG9000-10	SG9000-20
License Capacity			
Concurrent Users	Unlimited	Unlimited	Unlimited
System			
Disk Drives	4x500GB SAS	8x500GB SAS	10x500GB SAS
RAM	4GB RAM	8GB RAM	16GB RAM
Onboard Ports	4 x 1000 Base-T: 1xMgmt, 1xAux, 1 bridged pair (WAN & LAN)		
Open Slots	3xPCI-E		
Optional NICs	4-port 1000 Base-T copper (2 bridges) 4-port 1000 Base-F Fiber (2 bridges) 2-port 10G Base-CX4 copper (1 bridge)		

Physical Properties

Dimensions and Weight

Enclosure	19" Rack-mountable
Dimensions (L x W x H)	72.5cm X 42.7cm X 17.4cm (28.4in X 16.8in X 6.85in)
Weight (maximum)	Approx. 40kg (90 lbs.)

Operating Environment

	SG9000-5	SG9000-10	SG9000-20
Power	AC power 100-240V, 50-60Hz, 9.0-4.5A		
Maximum Power	240 Watts	315 Watts	345 Watts
Thermal Rating	819 BTU/hour typical 3300 BTU/Hr max	1075 BTU/hour typical 3300 BTU/Hr max	1177 BTU/hour typical 3300 BTU/Hr max
Temperature	5°C to +40°C (41°F to 104°F)		
Humidity	Operating: 20% to 80% relative humidity, non-condensing; Storage: 10% to 90% relative humidity, non-condensing		
Altitude	Operating: Up to 3048 M (10,000 ft) Storage: Up to 12192 M (40,000 ft)		
Inrush Current:	2.60A@110V	3.30A@110V	3.30A@110V

Regulations

Emissions	FCC/CISPR 22 Class A, EN 55022 / CISPR 22 Class A, IEC 61000-3-2 / EN 61000-3-2, IEC 61000-3-3 / EN 61000-3-3, CISPR 24 / EN 55024, VCCI Class A No.1706609, CE, BSMI, CCC, C-tick, KCC/RRL, Dictamen
Safety	UL 60950-1, UL 94, IEC 60950-1/ EN 60950-1, CSA C22.2 No. 950 M95, TUV-GS, TUV-S, BSMI, CCC, KCC/RRL, Dictamen
Standards	UL/CSA, TUV-GS, TUV-S, BSMI, C-tick, KCC, CCC, CE
Certifications	Common Criteria EAL4+ in review, FIPS 140-2 anticipated

Product Warranty

Limited, non-transferable hardware warranty for a period of one (1) year from date of shipment. BlueTouch Support contracts available for 24/7 software support and options for hardware support.