COMPLETE WEB SECURITY – WITH SUPERIOR PERFORMANCE

Blue Coat ProxySG S500

BLUE COAT

Security Empowers Business

All too often, secure web gateway products force you make a tough trade-off: stronger security or faster application performance. The Blue Coat ProxySG S500 is the world's leading secure web gateway because it solves the dilemma, delivering comprehensive web security and WAN optimization. The flagship product of Blue Coat's Security and Policy Enforcement Center, ProxySG S500 provides a scalable proxy platform to secure your web communications and accelerate business applications. With robust capabilities including user authentication, web filtering, data loss prevention, visibility of SSL-encrypted traffic, content caching, bandwidth management, stream-splitting, and more, ProxySG is the most versatile secure web gateway in the industry. That's why it is the product of choice for more than 86% of the Fortune Global 500.

Complete Protection and Control

ProxySG provides comprehensive protection and control over web traffic. It enables the following functions: Strong user authentication, web filtering, deep inspection of content for data loss or threats, security checks to the WebPulse collaborative defense, inspection and validation of SSL traffic, content caching and traffic optimization, bandwidth management, streaming media splitting and caching, method level controls per protocol. It also has the ability to filter, strip or replace web content. Its new Web Application Policy Engine provides granular visibility and control over web applications. ProxySG is the ultimate foundation for a Secure Web Gateway with its content controls and policy flexibility. It can also provide the unique ability to deliver web security and acceleration in one solution to a branch office. This all enables branch users to have access directly to the internet, with the same security coverage as those users in the main office.

Layered Defenses Security Framework

ProxySG with WebPulse, the collaborative cloud defense uniting over 75M users for web awareness and response to web content and threats, creates a hybrid design providing the best of on-premise controls with the collective intelligence of cloud service. ProxySG deployed with Blue Coat WebFilter automatically includes WebPulse and Blue Coat ProxyClient for remote user protection, filtering and acceleration. ProxySG with ProxyAV enables the highest performing inline threat analysis, including SSL, with a choice of leading anti-malware engines. And data loss prevention integration is securely enabled with S-ICAP or standard ICAP on ProxySG with certified DLP partners.

Unmatched Performance and Reliability

ProxySG innovations in new hardware platforms with multiple cores and the SGOS operating system with multi-threading provide 1Gbps throughput for high availability deployments and scale 5X beyond the previous generation. SGOS is a micro kernel built for web object processing, secure and small in design, it rarely needs attention or patches, and it runs year after year at performance levels beyond the competition. Health checks and monitoring provide administrator awareness, plus Director enables centralized device, license and policy management of ProxySG web gateways.

Scalability and Lower TCO

The Blue Coat security framework scales in many ways resulting in lower TCO for customers. The performance innovations require less hardware, rack space and power than alternative solutions. New defenses can be seamlessly added to the WebPulse cloud to scale the depth of protection. Expanding groups of remote users can accelerate their office communications with ProxyClient and be protected by WebPulse. Available reporting scales for visibility of all web gateway and remote users with custom dashboards and reports on a single server with an included optimized database for up to 20 billion log lines.

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Deploy ProxySG, WebFilter and ProxyAV together to enable:

- Web 2.0 threat protection
- Real-time web content ratings
- On-demand cloud intelligence
- Web 2.0 mashed up content filtering
- Inline threat analysis (four AV choices)
- Social networking threat protection
- True file type checks

- Compressed archive analysis
- Full IPv6 implementation
- IPv4 to IPv6 migration
- IPv6 advanced policy management
- File and attachment filtering
- Data loss prevention integration
- Proxy avoidance blocking

- Web application and operation controls
- Protocol method controls
- Bandwidth management
- Media stream splitting and caching
- Acceleration and optimization
- Transparent or Explicit deployment

INTERNET

Remote Users

Cloud Service

Branch Office

WebPulse

WebFilter   ProxySG   ProxyAV
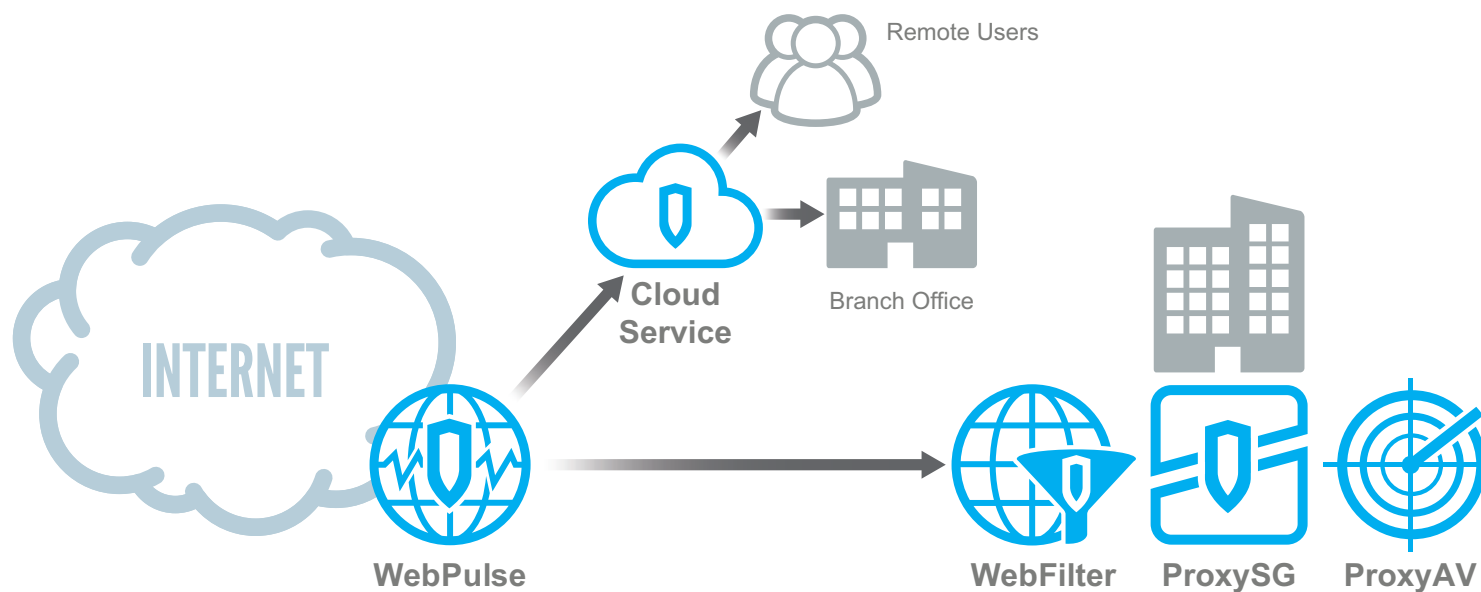
Blue Coat provides a layered defense against Web 2.0 threats leveraging WebPulse cloud intelligence from over 75M users to protect the Web gateway and remote users. ProxySG provides unmatched policy flexibility, performance and reliability to secure networks and accelerate content.

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FOR ALL PROXYSG S500 SERIES

REGULATIONS	SAFETY	ELECTROMAGNETIC COMPLIANCE (EMC)
International	CB – IEC60950-1, Second Edition	CISPR22, Class A; CISPR24
USA	NRTL – UL60950-1, Second Edition	FCC part 15, Class A
Canada	SCC – CSA-22.2, No.60950-1, Second Edition	ICES-003, Class A
European Union (CE)	CE – EN60950-1, Second Edition	EN55022, Class A; EN55024; EN61000-3-2; EN61000-3-3
Japan	---	VCCI V-3, Class A
Mexico	NOM-019-SCFI by NRTL Declaration	---
Argentina	S Mark – IEC 60950-1	---
Taiwan	BSMI – CNS-14336-1	BSMI – CNS13438, Class A
China	CCC – GB4943.1	CCC – GB9254; GB17625
Australia/New Zealand	AS/NZS 60950-1, Second Edition	AS/ZNS-CISPR22
Korea		KC – RRA, Class A
Russia	CU – IEC 60950-1	GOST-R 51318.22, Class A; 51318.24; 51317.3.2; 51317.3.3

ENVIRONMENTAL	RoHS-Directive 2011/65/EU, REACH-Regulation No 1907/2006
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 with options for hardware support.
GOV'T CERTIFICATIONS	For further government certification information please contact Federal_Certifications@bluecoat.com
MORE INFO	Contact regulatoryinfo@bluecoat.com for specific regulatory compliance certification questions and support

PROXYSG S500 SERIES

PROXYSG S500 SERIES	SG S500-10	SG S500-20
LICENSE CAPACITY		
Employee Count	Unlimited	Unlimited
SYSTEM		
Disk Drives	8x1TB SAS	16x1TB SAS
RAM	64GB	128GB
Onboard Ports	(2) 10Gb Base-T Copper ports (with bypass) (2) 10Gb Base-T Copper ports (non-bypass) (1) 1000Base-T Copper, System Management Port (1) 1000Base-T Copper, BMC Management Port	
Optional NICs	4x1000Base-T (Copper with bypass capability) 2x10Gb Base-T Copper (with bypass capability) 2x10Gb Base-T Copper (non-bypass) 4x1000Base-F (Fiber-SX with bypass capability) 2x10Gb Fiber (SR with bypass capability) 2x10Gb Fiber (LR with bypass capability)	
Power Supplies	2	2

PHYSICAL PROPERTIES

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DIMENSIONS AND WEIGHT	
Dimensions	710mm x 433.3mm x 87.2mm (27.95in x17.05in x 3.43in) (chassis only) 812.8mm x 433.4mm x 87.2mm (32in x 17.06in x 3.43in) (chassis with extensions) 2 RU height
Weight (maximum)	Approx. 30kg (66.12 lbs) +/- 5%
OPERATING ENVIRONMENT	
Power	Dual redundant and hot swappable power supplies, AC power 100-240V, 50-60Hz, 12-5A (DC power available)
Maximum Power	1100 Watts
Thermal Rating	Typical 2598.42 BTU/Hr, Max 3751 BTU/Hr
Temperature	5°C to 40°C (41°F to 104°F) at sea level
Humidity	20 to 80% relative humidity, non-condensing
Altitude	Up to 3048m (10,000ft)