

ProxyAV™ 400 Series



The Blue Coat ProxyAV™ enables organizations to scan for viruses, worms, spyware and trojans entering through Web-based backdoors including:

- Personal Web email accounts where a majority of viruses and worms propagate
- Web spam or email spam which unknowingly activate trojan downloads or hidden spyware
- Browser based file downloads that bypass existing virus scanning defenses

Traditional, Web anti-virus gateways often lack scalability and performance for HTTP and FTP scanning, leaving desktops to defend themselves. The ProxyAV combined with the ProxySG™ provides scalability for virus scanning, plus complete visibility and control of enterprise Web communications.

The ProxyAV 400 Series is a purpose-built solution designed for simple integration with ProxySG 800 and 400 series solutions for medium enterprise or distributed environments providing scalable performance with a choice of antivirus engines.

“Given the widespread use of web-based email systems by employees for their personal email – which often bypasses a company’s email servers – and their antivirus protection, network deployment of antivirus technology is an important complement to host-based antivirus software.”

– ICSA Labs

ProxyAV Highlights:

Web Virus Scanning

Real-time, scalable virus scanning using a proven antivirus engine to protect against:

- Infected Web Email
- Spyware & SPAM Trojans
- Internet Worms
- Malicious HTTP & FTP Content

Scalability & Performance

Integrated system allows scanning of web-objects at wire speed. Heuristics improve scanning response while the ProxySG caches clean content for distribution.

Layered Security

Choice of proven antivirus engines with automated updates allows enterprises to leverage “Vendor A” for network scanning and “Vendor B” for desktops, servers and gateways. Choose from:

- McAfee
- Sophos
- Panda

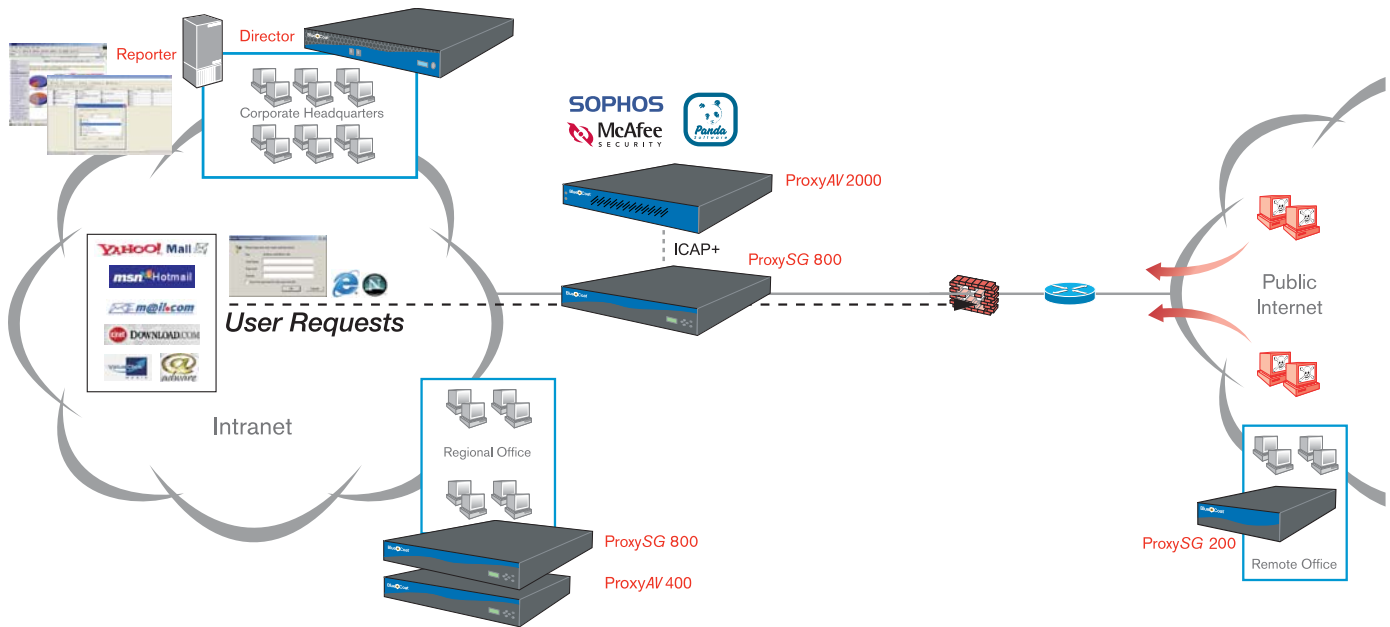
Ease of Deployment

Integration between the ProxyAV and the ProxySG is seamless with default configurations optimized for performance. One vendor, one solution, with purpose-built appliances.

And More...

See Blue Coat TechBriefs for additional ProxySG & ProxyAV application & control solutions:

www.bluecoat.com/resources



The ProxyAV 400 integrated with the ProxySG provides the scalability and performance to scan Web communications and file downloads for viruses, worms and trojans

Scalability and Performance

Pairing the ProxyAV with the ProxySG provides significant advantages for high-speed Web virus scanning that standalone systems cannot match, such as:

- ProxySG processes Web objects at wire speed with integrated caching
- ProxyAV only scans Web objects forwarded from the ProxySG for improved performance
- ProxyAV focuses CPU processing on virus scanning using heuristics to maximize throughput
- ProxyAV provides load balancing and clustering of multiple ProxyAV appliances for enterprise scalability
- Granular policies and method-level controls in the ProxySG stop worm outbreaks where virus signatures fall short (i.e. spIM buddylink)
- Active/active bridging provides failover support on the ProxySG and allows the addition of multiple ProxyAV appliances for future growth

The Blue Coat solution means less hardware, high performance virus scanning, and granular control of Web communications. The ProxyAV with ProxySG provides unmatched visibility, control, and scalability in an integrated system.

Ease of Deployment & Administration

The ProxyAV is optimized for integration with the ProxySG as a complete system, through the following:

- Purpose-built appliance solutions from a single vendor; designed, tested and manufactured for compatibility
- Blue Coat's ProxySG and ProxyAV appliances communicate using an enhanced and optimized version of ICAP, enabling superior performance, reliability, and error/exception handling over software-based ICAP servers.
- Virus updates to the ProxyAV are automated with definable time frequency settings, and cached content is automatically cleared with each update
- Administrators can define default or custom locations for signatures and virus engine updates, and configure behavior of ProxyAV upon license expiration
- Configurable options for scanning files include: set time-out duration, drop file if errors in scanning occur, and define trusted sites
- Heuristics fingerprint recurring files as infected or clean for non-cacheable content to improve efficiency
- Administrators can apply allow/deny lists with extensions along with file size and content type restrictions
- Customized alerts can notify administrators when a virus is found, AV updates are successful, AV updates fail, subscriptions expire, files are dropped, or files pass without scanning
- Log files can be customized using standard logging formats and sent off-box via TCP or UDP for processing
- Health checks from ProxySG to ProxyAV verify status and availability of appliances
- New firmware updates and release notes are sent to ProxyAV for administrator approval and installation

Layered Security

Recent virus and worm outbreaks, spyware, and the increase in browser-based attacks show the importance of a layered security strategy provided by:

- Choice of antivirus engine with automated updates on the ProxyAV, allowing a layered virus scanning strategy with “Vendor A” for network scanning and “Vendor B” for desktops, servers and gateways
- Utilizing ProxySG for control over Web communications for both outbound requests and content replies to provide added protection beyond virus signatures and patterns
- Implementing three key methods to control Web communications - the ProxySG controls “transport” and “content”, while the ProxyAV provides “signatures”
- Enforcing ProxySG policies to control Web communications upon outbreaks and before virus signatures are available

Control Beyond Signatures

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

Proxy support for multiple protocols

- HTTP, HTTPS, FTP, Telnet, SOCKS, P2P, AOL IM, Yahoo IM, Microsoft IM, MMS, RTSP, QuickTime, TCP-Tunnel, DNS
- Apply policy to all

Content Filtering

- On-proxy support of leading URL lists, popular regional lists, plus custom lists
- Performance gains through integrated caching
- Define additional custom categories

Content Security

- Control MIME types and file extensions
- Strip and replace active content
- User agent and version control
- Header inspection, rewrite, and suppression
- Method-level controls per protocol
- Policy flexibility beyond typical “regex”
- URL parsing

IM Logging and Controls

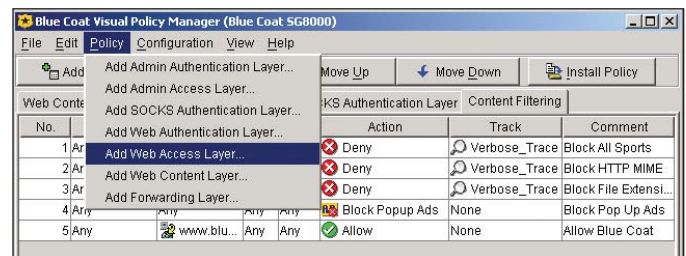
- MSN, Yahoo!, AIM
- Method-level control settings for file attachments, voice, and video, plus IM reflection for internal use
- Keyword searches
- In band/out-of-band alerts

Block or control Streaming Media

- MS, Real, QuickTime
- Bandwidth optimization with stream splitting and caching

Integrated System Solution

The combination of ProxySG + ProxyAV provides scalable performance with control over transport and Web content with integrated virus scanning. Virus engines and signatures are only one part of Web content control. New worms and trojans are using IM and Web spam to propagate with new techniques always on the horizon. For the first time, Web communication controls and Web virus scanning work together using Blue Coat solutions.



The Blue Coat Visual Policy Manager enables a breadth of solutions addressing general to specific customer requirements for Web content control and Web virus scanning.

P2P file sharing controls

- Log and block P2P traffic by user agent and version, plus numeric host file transfers
- Control BitTorrent, eDonkey, Gnutella, and FastTrack
- Bandwidth optimization

Pop-up Control and Anti-Phishing

- Policy-based
- Deny/allow per application

Comprehensive port services

- Enable/disable needed ports
- Modify port attributes

Authentication

- Utilize a company's existing authentication including local password files, NTLM, LDAP (Active Directory, eDirectory, SunOne), Oblix, RADIUS, Netegrity SiteMinder, and certificates
- Multi-realm authentication sequencing
- Secure credential acquisition via SSL

Blue Coat Support Services

Blue Coat supports its products with an outstanding customer support program. All Blue Coat products come with a 90-day software and one-year hardware warranty. Support services include a WebPower password enabling access to the following:

- Online access to open technical support cases, review open cases, and add comments to existing cases
- Exclusive support documentation, installation notes, and FAQs
- Blue Coat Instant Support provides an online self-service portal for your technical needs, and our online TechBriefs review popular protocol and application solutions for a quick start on common configurations.

Platinum Service: 24X7 Technical phone support, Advance hardware replacement*, software updates

* Hardware will be shipped same day when RMA Requests are received during regular business hours and deemed necessary by Technical Support before the RMA cut off time.

Blue Coat Training

Blue Coat provides educational services and technical training (basic to advanced) by certified and experienced trainers enabling administrators to become fully proficient on all aspects of ProxySG and ProxyAV appliances. All courses are replete with real world examples and feature extensive hands-on lab exercises.

Each student will learn to install, configure and troubleshoot all features and functions. Please refer to the following Web link for training times, locations and cost:

www.bluecoat.com/resources/training

Blue Coat channel sales partners are also certified to provide field services. Our partners attend Instructor-led courses as well as monthly online training on the latest product features and solutions. Look for and ask about Blue Coat certifications.

Configuration & Specification Chart

	Model 400-E1
System	
Processors	1.26 GHz PentiumIII
RAM	512 MB
Disk drive	40 GB (IDE)
Network Interface	Integrated; 10/100 on-board port
Operating System	ProxyAV OS v2
Operating Environment	
Power	AC power 100-240V, 60-50Hz, 2A
Temperature	5°C to 40°C (41°F to 104°F)
Humidity	Less than 90% relative humidity, non-condensing
Altitude	Up to 3048m (10,000ft)
Dimensions and Weight	
Enclosure	19" Rack-mountable
Height	43.7 mm (1.72 in); 1 rack unit
Width	442 mm (17.4 in)
Depth	350 mm (13.75 in)
Weight	7.1kg (maximum)
Regulations	
Emissions	TBD -- FCC Class A, EN55022 Class A, BSMI, NOM
Safety	CSA C22.2 No. 950 M95, UL 60950 3rd Edition, EN60950
Support	Standard warranty: 90-day software & phone support with 1-year hardware support, extended and upgraded support plans available