



Blue Coat and VSS Monitoring

VSS Monitoring Protector™ Inline Load Balancer and Bypass technology eliminates WCCP requirements for the inline deployment of Bluecoat ProxySG Appliances while increasing performance for Blue Coat WAN Optimization, Secure Web Gateway and SSL solutions.

Challenges

As threats to the network become more sophisticated and targeted, the need for comprehensive network security and visibility has never been greater. Gaining this complete visibility is challenging as networks become more complex, distributed, and dynamic. Enterprises also need to scale bandwidth and performance, optimizing the application and network architectures of today and tomorrow to support cloud and rich media services globally across their enterprise including all branch offices.

Deploying WAN Optimization and scalable network security and with complete visibility at every point where network traffic needs to be captured is a cost prohibitive challenge for large-scale networks. In addition, performance, scalability and throughput limitations of these devices hamper the responsiveness and intelligence needed to protect against escalating cyber threats and damaging attacks.

This document will show how the technology partnership between VSS monitoring and Blue Coat provides you an affordable, highly scalable approach to comprehensive and optimized network security, increased visibility and scalable WAN Optimization with High Availability and Fault Tolerance.

Bluecoat ProxySG and VSS Protector:

Joint Solution

VSS Monitoring and Blue Coat have partnered together to provide a joint solution for delivering scalable WAN Optimization, network security and complete network visibility using Blue Coat ProxySG appliances in conjunction with VSS Protector Series™.

The combined solution enables inline deployment for Proxy SG appliances with ease, optimized performance, high availability and fault tolerance without the need for 3rd party protocols like WCCP.

Note: This combined solution has been validated by a joint channel partner – Braxton-Grant Technologies – who is also a certified Blue Coat Support, Services, and Training provider integration.

Benefits of Combined Solution Include:

- Deploy Blue Coat ProxySG Appliance(s) inline without using WCCP.
- Achieve High Availability, Fault Tolerance and Bypass protection for inline ProxySG deployments.
- Increase performance for Blue Coat WAN Optimization, Secure Web Gateway and SSL Decryption solutions.
- Decrease POC deployment timelines for ProxySG and shorten time to protection against cyber-threats.

Scalable and Fault Tolerant WAN Optimization

The combined solution enables secure, high-availability, direct-to-net access from your branches, shifting and width costs from the WAN to Internet links through Blue Coat Proxy SG appliances, while VSS Protector Series in turn offers Scalability, High Availability and Fault Tolerance for Blue Coat ProxySG appliances.

- Speed cloud and SaaS access from the branches by eliminating backhaul latency and WAN contention.
- Build higher-availability networks with a second connection for branch offices.
- Together provide Scalable WAN Optimization, giving you dramatic gains in bandwidth and performance, and optimizing the application and network architectures of today and tomorrow.

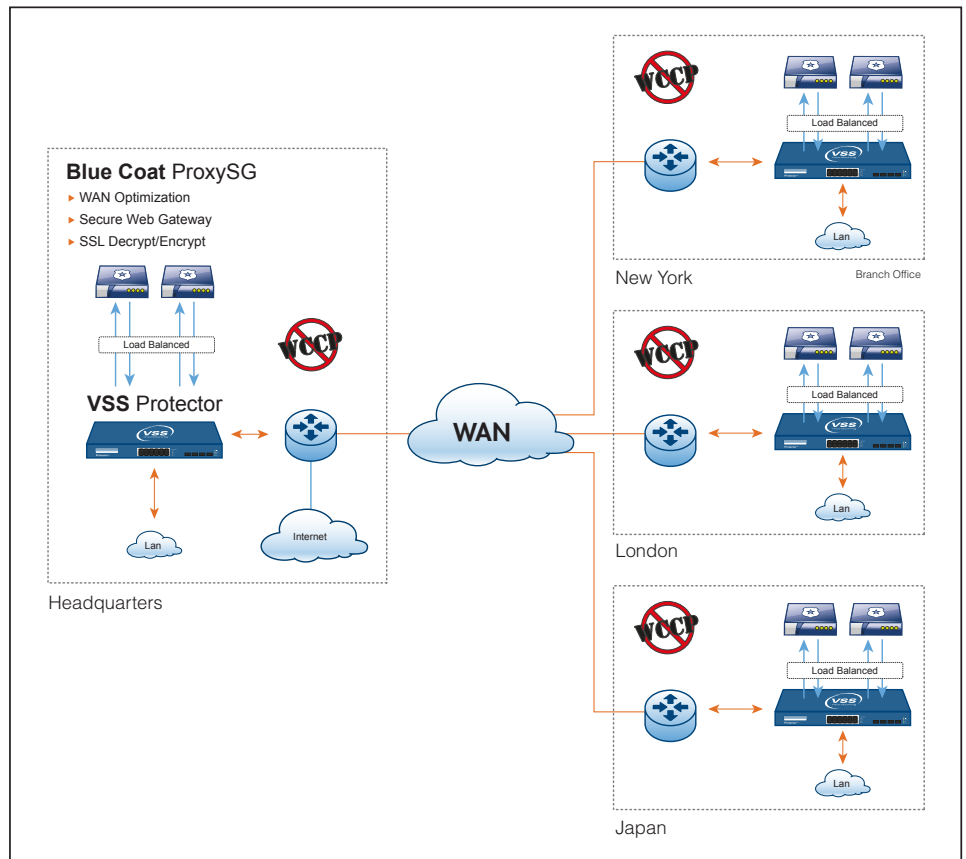
Increased Visibility and Network Security Optimization

Cloud Services and SaaS applications rely on HTTP and SSL delivery, you need scalable optimization technologies that can asymmetrically accelerate HTTP and SSL and secure client-side certificate handling so you can decrypt, gain visibility and accelerate sessions. Together, Blue Coat and VSS Monitoring fill this need while accelerating and securing Web and SaaS applications with Load Balanced Proxy SG appliances delivering proven SSL and Secure Web Gateway solutions for your expanding network environment.

- Decrypt and optimize external cloud applications with Blue Coat’s external SSL decryption
- Apply asymmetric acceleration to SaaS applications with Blue Coat object caching and pipelining.
- Give bandwidth priority to business SaaS so recreational browsing can’t degrade its performance.
- Deploy a layered defense system to protect users and networks from web threats, phishing and other attacks

Significant Advantages:

- **Increases Performance/Throughput:** Load Balance Bluecoat ProxySG’s to increase SSL capability beyond 1Gbps.
- **Inline Deployment without Having to Use WCCP:** Deployment of Bluecoat ProxySG appliances without having to touch a Router.
- **High Availability for Bluecoat ProxySG’s.** Create a desired level of redundancy so that the failure of one ProxySG doesn’t result in a network outage or lapse in security.
- **Optimized Fault Tolerance Support (Fail Open/Close):** Option to configure VSS Protector to automatically bypass a failed ProxySG and send network traffic to a backup ProxySG, or opt to stop network traffic.
- **Maintenance for Inline ProxySG appliances without Service Impact.** Automatically reroute traffic during updates or maintenance so that ProxySGs (inline) can be inserted and removed without having to experience network downtime.
- **Unmatched Configuration Flexibility:** Choose from virtually limitless configuration possibilities between Mixed Media (Fiber/Copper) or Speeds (1G/10G)
- **Extend Existing IT Investments.** Add additional ProxySGs of various throughputs to meet expanding infrastructure requirements.
- **Easily Scalable Security Architecture:** Deploy a Multiprotocol security infrastructure on a single network agnostic platform.



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VSS Monitoring, Inc. is the world’s leading innovator of Distributed Traffic Capture Systems and network taps, focused on meeting the rapidly evolving requirements of security and performance conscious network professionals. Distributed Traffic Capture Systems herald a new architecture of network monitoring, one which fundamentally improves its capability and price-performance.

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