

WEBSense WEB SECURITY SUITE ON CROSSBEAM X-SERIES

BENEFITS:

- Reduce complexity by virtualizing your network resources and web security
- Integrate additional applications with Crossbeam's open architecture
- Reduce energy consumption by consolidating and virtualizing firewalls
- Ensure reliability with products that are jointly engineered

Recently there has been an exponential increase in web threats, from malicious code to spyware. Coping with these threats has resulted in implementing highly complex and expensive security deployments. Analyzing a single lookup of a web site requires a complicated sequence of security function. This includes proxy chaining, inline and tap-based inspections, "cache hit" sequencing. It also means load balancing application traffic to the right security mitigation functions. These operations occur over multiple security boxes and networking gear, each of which needs to be set up very precisely with respect to the next service in the sequence. Unfortunately, the end result is a complex set of security appliances with load balancers and switches gluing them all together.

The resulting security appliance sprawl drives the need for a simpler and more effective content gateway deployment: the Crossbeam Secure Web Gateway (SWG). The SWG represents the convergence of the latest content protection technologies, blending sophisticated URL filtering with malware scanning, that in turn integrates P2P and bot-blocking, end-node remediation, proxy cache, and decryption and encryption.

THE SOLUTION ARCHITECTURE

The Crossbeam SWG consolidates multiple web and content security functions into a single security services platform. This dramatically simplifies today's appliance mess. The Websense Web Security Suite (WSS) provides integrated threat protection at the Internet gateway and the performance and reliability required by large enterprises. WSS 6.3.2 is deployed on Crossbeam X-Series Security Platforms to provide comprehensive messaging protection.

THE CROSSBEAM SOLUTION: DIFFERENTIATED VALUE

Web-based attacks all have one thing in common: they have to traverse the web gateway. It must scale to meet the most onerous traffic demands. To successfully secure their networks, enterprises must deploy a secure web gateway that can scale to meet the most onerous traffic demands while providing industry-leading resiliency. The ultra-high performance and reliability of the Crossbeam Security Platform ensure that network security teams deliver a safe end user Web experience. With Crossbeam there is no need to sacrifice choice, security or availability. Our platform allows the delivery of new capabilities faster, with less devices, costs and staff.

COMPONENTS OF THE SECURE WEB GATEWAY

The Crossbeam X-Series is essentially a "network in a box" or "Virtual Infrastructure". It solves inefficiencies by optimizing the network and application processing together under one operating system. The X-Series platform allows enterprises and service providers to consolidate network infrastructure (switches, load balancers, patch cabling and power cords) and appliances supporting security applications. It dramatically simplifies deployment and on-going management.

SOLUTION TECHNICAL REQUIREMENTS:

WSS 6.3.2 ON CROSSBEAM X-SERIES GENERAL SPECIFICATIONS

	APM-8650
Processors	One or two Intel Quad Core CPUs
Memory	4GB standard, up to 16GB optional
HDD Storage	One or two 120GB RAID optional

PERFORMANCE SPECIFICATIONS (WSS 6.3.2, XOS 8.1.1, dual processor, 4 GB RAM)*

Specifications	APM-8650
Users	10,000 - 20,000

NETWORKING SPECIFICATIONS

L3 Proxy Modes

KEY WEBSense WEB SECURITY FEATURES AND FUNCTIONS

Blocks spyware and keylogger backchannel communications

Web processing acceleration via Squid integration

Provides real-time security updates

Scans and classifies 350M sites per week

Detects malicious code and spyware

Provides categorized & normalized views of application behavior

ABOUT CROSSBEAM

We improve the sophisticated networks of enterprises, government agencies, and service providers by architecting platforms that are more adaptable, high-performing, reliable, and secure.