

TREND MICRO INTERSCAN MESSAGING SECURITY SUITE ON CROSSBEAM X-SERIES

BENEFITS:

- Virtualization of your network resources and web security reduces complexity
- Integrate additional applications with Crossbeam's open architecture
- Reduce energy consumption by consolidating and virtualizing firewalls
- Enables scanning of 148M emails per day
- Ensure reliability with products that are jointly engineered

CUSTOMER NEEDS, BUSINESS AND OPERATIONAL IMPACTS

The exponential increase in spam, phishing attacks, malware, spyware, directory harvest attacks, and bounced mail attacks, and the multi-variant methods of propagating these threats, has resulted in highly complex and expensive security deployments.

According to Gartner, 85-90% of mail is spam and up to 6% of all email contain a virus. Just analyzing a single message requires a complex set security functions.

Assuring that network reputation service analysis is applied to block spam before it transverses the gateway, and filters for spam, viruses, botnets, and phishing attacks, requires a complex sequence of inspection processes and events, complete with load balancing of 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. The end result is a complex set of security appliances with load balancers and switches gluing them together.

This "security appliance sprawl" drives the need for a simpler, more effective content gateway deployment: the Crossbeam Secure Web Gateway (SWG). The SWG represents the latest content protection technologies, blending comprehensive email protection at the gateway, integrating multi-tiered anti-spam, anti-virus, anti-phishing, and anti-spyware for a coordinated defense.

THE SOLUTION ARCHITECTURE

The SWG reduces complexity by consolidating multiple web and content security functions into a single security services platform. This dramatically simplifies today's appliance mess. Trend InterScan Messaging Security Suite (IMSS) on the Crossbeam X-Series platform provides integrated messaging and threat protection at the gateway. It also provides the performance and reliability required by large enterprises.

THE CROSSBEAM SOLUTION: DIFFERENTIATED VALUE

Security teams who invest in the Crossbeam SWG report dramatic reductions of malicious messaging traffic. They also find that their productivity increases along with better usage of their infrastructure. The ultra-high performance and reliability of the Crossbeam Security Platform ensure that network security teams deliver a safe end user experience without sacrificing choice, security, or availability. Crossbeam can deliver new capabilities faster, with fewer devices, lower cost, and less 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. The XOS™ operating system forms the basis for integrating Trend Micro IMSS into the Crossbeam platform.

SOLUTION TECHNICAL REQUIREMENTS:

IMSS 7.0 ON CROSSBEAM X-SERIES GENERAL SPECIFICATIONS

| | |
|----------------------|---|
| | APM-8650 |
| IWSS Features | Anti-virus, content filtering, network reputation services, IP profiler, anti-spam composite engine |
| Processors | 1 or 2 Quad Core CPU |
| Memory | 4GB standard, up to 16GB optional |
| HDD Storage | 1 or 2 120 GB RAID optional |
| Off-box Requirements | IMSS Central Controller, End User Quarantine (EUQ), PostgreSQL DB |
| Performance | Improvement of 5.5% for 28 K byte SMTP memory and 36% improvement for 53K byte mpps |

KEY TREND MICRO MESSAGING SECURITY FEATURES AND FUNCTIONS

Blocks malware

Protects against spyware attacks

Protects against zero day attacks

Global and dynamic reputation services

Prevents loss of confidential information

Anti-phishing

Directory harvest attack (DHA) protection

Network reputation services

Inbound and outbound content filters

Image spam protection

IP Profiling

LDAP integration

Embedded URL reputation

Anti-virus blocks malware attacks

End user quarantine notifications

Signatures, heuristic, and reputation protection

Selection of authorized senders and recipients

Enforces compliance

Signature malware protection for known attacks

Role-based delegated administration

Damage control system collaboration "hook"

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.