M86™

SECURITY

M86 Vital Web Security Suite™

Innovative Technologies Behind the M86 Secure Web Gateway

The M86 Vital Web Security Suite™ comprises of several complementary technologies that power the M86 Secure Web Gateway. They include Real-time Code Analysis, Vulnerability Anti.dote™, Dynamic Web Repair™, and Granular Social Media Control. Together, these multi-layered technologies provide the most comprehensive, accurate protection available from the latest sophisticated dynamic Web-based threats.

REAL-TIME CODE ANALYSIS
Protects from New and Dynamic Malware in Real Time

M86's Real-time Code Analysis engine detects and blocks obfuscated code and other dynamic cybercrime techniques in real time. It analyzes all incoming and outgoing Web content communicated over HTTP and HTTPS for malicious threats, regardless of origin and without signature matching. As a result, malware is stopped before entering the network—even when hidden in encrypted SSL traffic. This is the only security solution capable of understanding the intent of the code in real time and then blocking or allowing the content, offering the only true zero-day defense.

Key Benefits:

- Provides the only true real-time protection from sophisticated Web-based threats

- Reducing cost and time spent discovering, cleaning and re-imaging systems infected with malware and/or spyware

- Inspects active content embedded in rich content types such as PDF and Flash files and helps determine if active content complies with an organization's security policy

VULNERABILITY ANTI.DOTE™
Closes the Vulnerability Gap for Known, Web Attacks

Vulnerability Anti.dote provides proactive Web security and reduces patch management overhead. Based on M86's knowledge of new software vulnerabilities, behavioral rules are created that enable Vulnerability Anti.dote scanning engines to identify and block content that tries to exploit one or more weaknesses. New rules "about the latest vulnerabilities" are included in M86's security updates and installed transparently in all M86 SWG deployed appliances.

Key Benefit:

- Saves resources and time by enabling organizations to immunize all systems from vulnerabilities without needing to apply emergency patches.
- Protects agains Web-based threats uch as Denial of Service attacks, stealth "drive-by" malware, and remote code execution attacks
- Enables scanners to block potential attacks based on the known vulnerability and its variants

DYNAMIC WEB REPAIR™
Removes Malicious Code from Web Content

In the event a legitimate Web site is compromised, Dynamic Web Repair™ removes the malicious code seamlessly— without blocking the Web page. After eliminating the offending code, Dynamic Web Repair™ delivers the safe Web content to the user, ensuring continued productivity. Recently M86 Security tested almost 1 million URLs from the Alexa list of top sites. Dynamic Web Repair™ fixed 99% of malicious URLs.

Key Benefits:

- Reduces help desk calls from users who could not access work-related sites
- Enables organizations to function in a Web 2.0 environment
- Safeguards the network from malware hidden on legitimate websites
- Resolve the issue of having to remove all Flash elements, ad banners, etc, because other solution are unable to analyze the code in real time, and prevent users from accessing necessary content.

GRANULAR SOCIAL MEDIA CONTROL
Controls Input Access to Web 2.0 Sites

M86 offers businesses a flexible option when it comes to social media use. There's no need to choose between allowing full site access and blocking a site completely. Granular Social Media Control, available on the M86 Secure Web Gateway, enables organizations to block posts, comments, or uploads to sites such as Facebook and Twitter, while allowing employees to use other site functions.

Key Benefits:

- Prevents data loss by locking down social media status and comment posts
- Safeguards organizations from the compliance risks and reputation damage that can result from inappropriate social posts
- Ensures enforcement of an organization's Social Media Acceptable Use Policy

In addtion to the proactive technologies that support the M86 Secure Web Gateway, the M86 Web Filter List and Anti-Virus are available for an optonal multi-layered solution.

M86 WEB FILTER LIST
Manages User Productivity

This URL category database provides millions of URLs in more than 100 categories. This offers greater control for access to specific website categories, including Web 2.0, business-related sites, Webmail, and streaming media as well as allow for highly granular Web activity reporting. This is available as an optional feature and can be included in the Vital Web Security Suite package.

Built from the ground up, the M86 Web Filter Database uses advanced search tools and employs content verifiers to review, analyze and categorize websites.

Key Benefits:

- Controls employee browsing habits by URL categories
- Increases productivity and improves network performance
- Enforces Internet Acceptable Usage Policy

ANTI-VIRUS
Scans for Known Malware

M86's optional anti-virus modules scan, detect and block viruses prior to the deep content scanning provided by Known Real-time Code Analysis. This is available as an optional feature and can be included in the Vital Web Security Suite package.

Key Benefits:

- Serves as the first line of defense against known viruses
- Enables easy and flexible policies to be set and managed
- Easy integration with M86 SWG for AV scanning at the gateway.

COMPLETE PROTECTION

Together, these technologies offer multi-layered protection from known and unknown threats, improving security and performance. They are proven to detect attacks that evade other security solutions, including Web 2.0 threats, zero-day vulnerabilities and sophisticated new malware in real time.

ABOUT M86 SECURITY

M86 Security is the global expert in real-time threat protection and the industry's leading Secure Web Gateway provider. The company's appliance, software, and Software as a Service (SaaS) solutions for Web and email security protect more than 24,000 customers and over 17 million users worldwide. M86 products use patented real-time code analysis and behavior-based malware detection technologies as well as threat intelligence from M86 Security Labs to protect networks against new and advanced threats, secure confidential information, and ensure regulatory compliance. The company is based in Orange, California with international headquarters in London and development centers in California, Israel, and New Zealand.

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Version 10/07/10