M86™
SECURITY

M86 WebMarshal™

Secure Web Gateway

M86 WebMarshal is a Secure Web Gateway – a comprehensive solution which addresses the many requirements and issues that arise in managing Internet use. In a Web 2.0 world, organizations and employees are increasingly reliant on Internet access for business, education and work/life balance. Yet in terms of security and data protection Web 2.0 has created an unprecedented risk environment with new threats and vulnerabilities. M86 WebMarshal is the answer to managing and securing Internet use for any size organization.

OVERVIEW

As a Secure Web Gateway, M86 WebMarshal is deployed between your network and the Internet where it inspects all incoming and outgoing Web traffic. M86 WebMarshal protects you and your users against the full spectrum of Internet threats, including malware, viruses, blended attacks and attempted fraud. It ensures that Internet use is appropriate and complies with your predetermined Web use policies. And, M86 WebMarshal monitors and controls the flow of information in and out of your organization, protecting confidential information and intellectual property.

M86 WebMarshal provides the answers to a wide range of Web security issues in one seamless, easy to use, highly scalable, dependable and cost effective solution.

KEY FEATURES

- Inspects incoming and outgoing Web traffic in real time.
- Manages access to websites by category and content analysis.
- Blocks Internet security threats such as viruses, malware, blended attacks and social engineering scams.
- Controls bandwidth consumption and applications including streaming media, instant messaging and social networking.
- Provides data leakage prevention (DLP) by controlling what users upload to the Web including text and files.
- Supports flexible and intuitive policy enforcement with advanced Directory integration for user authentication and time/bandwidth quotas for personal Internet use.
- Enables detailed yet easy to understand Internet activity reporting.
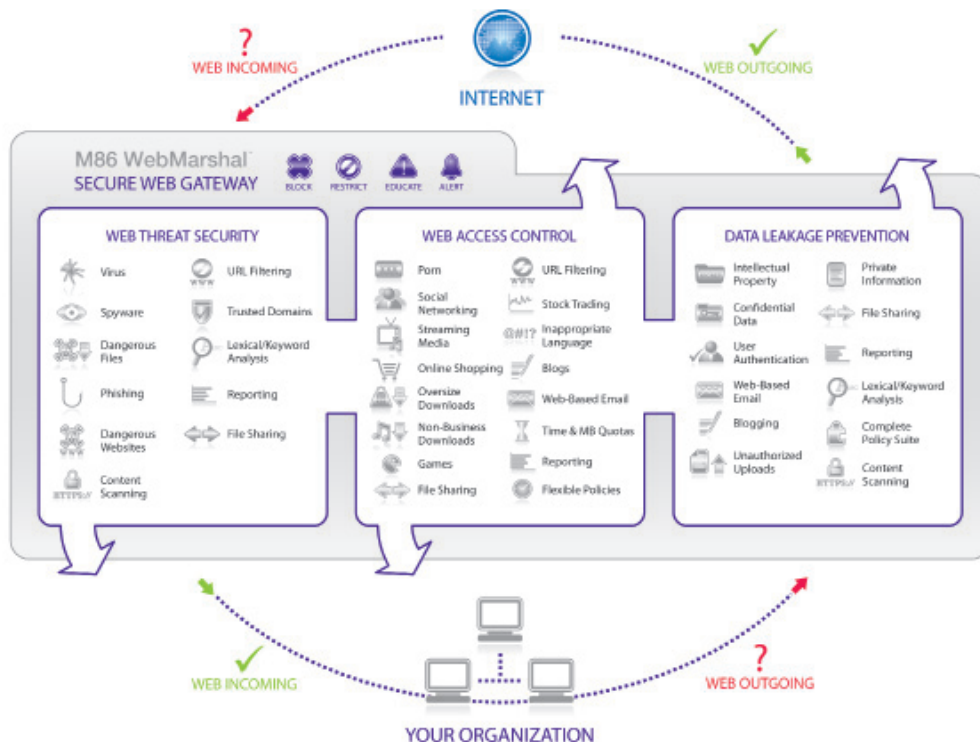
KEY BENEFITS

Secures Your Web Gateway Against All Internet Threats

Blocks viruses, malware, blended threats, anonymous proxies and other harmful Web content, protecting your users and your IT resources from malicious Web sites.

Safeguards Against Data Leakage

By controlling the information users can upload to the Web, M86 WebMarshal ensures that unauthorized staff cannot intentionally or accidentally transmit confidential or sensitive data.

Improves Productivity and Enforces Acceptable Use Policies

M86 WebMarshal allows you to control where users go on the Web, when, what they can do and for how long. Employees and students spend less time on personal Internet use and are prevented from accessing inappropriate content.

Manages Bandwidth Use, Improves Performance and Saves Costs

Uncontrolled Internet use can be a drain on bandwidth, network performance and can lead to significantly increased costs. M86 WebMarshal allows you to manage access to high bandwidth sites and applications such as YouTube and even assign individual bandwidth quotas to help manage personal Internet use. Proxy caching saves bandwidth and delivers popular content faster.

Offers Speedy and Measurable Return on Investment

M86 WebMarshal Reporting demonstrates a rapid return on investment (ROI) and enables stakeholders to understand the key business benefits. It also saves bandwidth, improves user productivity and protects against costly malware infections, all contributing to even greater ROI.

Provides Dependable Legal Liability Protection

Inappropriate or offensive Web content is blocked, preventing users from exposure to pornography or obscene material. M86 WebMarshal demonstrates that you have undertaken all reasonable measures to protect staff and students, fairly enforce policies and provide a safe working and learning environment.

## Meets or Exceeds Compliance Obligations

Enables organizations to place restrictions on who can transmit confidential information over the Web and prevent access to banned Web content. This allows you to demonstrate regulatory compliance with relevant authorities or governing agencies.

Protects Your Reputation

Upholds standards and ensures that confidential information is not leaked to the Web. M86 WebMarshal prevents users from placing your organization in a publically embarrassing position as a result of inappropriate Internet use.

Delivers Low Total Cost of Ownership

Easy deployment on a cost effective, future-proof platform with minimal administration requirements, consolidation of key web security functions into a single management interface and centralized reporting makes M86 WebMarshal the ultimate Secure Web Gateway.
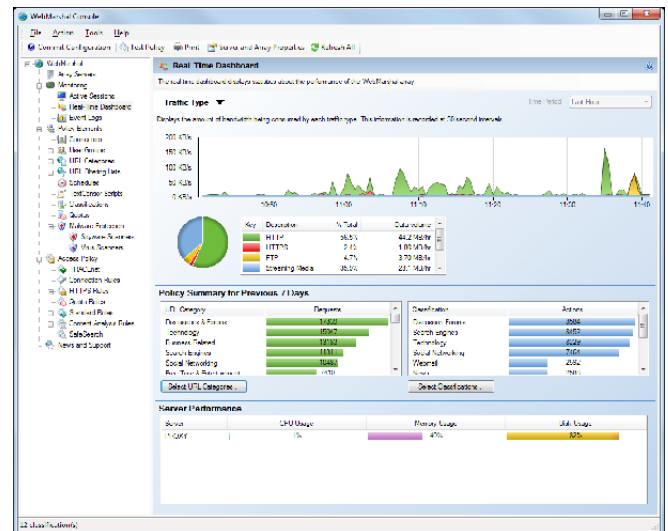
M86 WEBMARSHAL'S REAL-TIME DASHBOARD PRESENTS A RANGE OF INFORMATION AND USEFUL STATISTICS IN A CLEAR, EASY-TO-USE INTERFACE. RECENT WEB TRAFFIC BY PROTOCOL IS SHOWN HERE INCLUDING HTTP, HTTPS, FTP, STREAMING MEDIA AND INSTANT MESSAGING. A WEALTH OF INFORMATION IS AT YOUR FINGERTIPS.

"It is hard to put a value on threat prevention, but [M86 WebMarshal] has done exactly what we wanted. It is great software for content scanning of proxy traffic, one of the hidden threats that can cause damage if undetected. We undertook some very basic benchmarks and identified key features and benefits in the various solutions and are very happy with M86 Security".

Ludwig Brograd, Network Manager, Ernst & Young Ab

WEB THREAT SECURITY

No single technology on its own can completely secure you against all Web threats. For this reason, M86 WebMarshal employs a multi-faceted approach to threat protection which ensures it can address the full spectrum of Internet threats.

- **M86 TRACEnet** – a continuously updated threat protection system designed to address a constantly evolving Web threat landscape. M86 TRACEnet employs a range of technologies including reputation-based blacklists and heuristic filters to identify new threats in real time. M86 TRACEnet specifically targets:

  - **Malicious Sites** – containing malware, browser exploits, Cross Site Scripting or part of a blended attack.
  - **Phishing Sites** – established by scammers to impersonate legitimate sites and attempt to defraud unsuspecting users.
  - **Spam Sites** – associated with spam campaigns or botnet-related infection sites designed to convert your computer into a spambot.
  - **Anonymous Proxies** – security bypass sites which can potentially allow a user to circumvent Web security and create an insider threat to your organization.
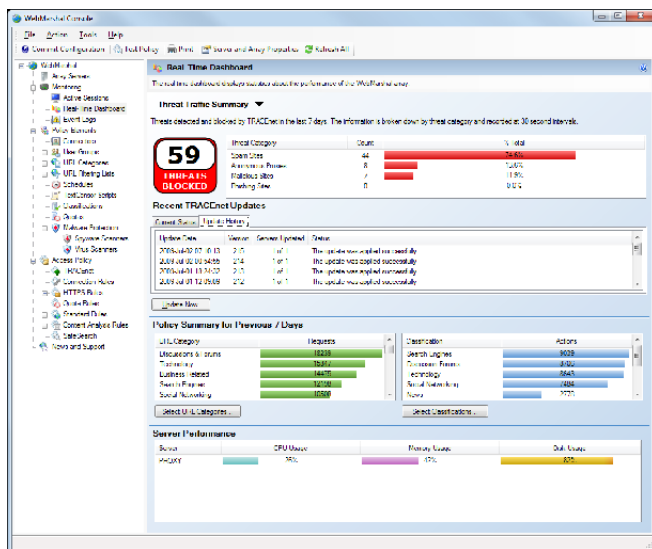
NOTE: Please review our M86 TRACEnet datasheet for more information on how M86 TRACEnet works - available from our Web site.

- **Virus & Spyware Protection (Optional)** – real-time anti-virus and anti-spyware scanning using your preferred choice from four name-brand anti-virus vendors and two dedicated spyware scanner options to identify malicious content at the gateway before it is downloaded or accessed.
- **MIME File Type Security** – control restricted file types (e.g. EXE) by their structure and content, ensuring that intentionally mislabeled files are correctly identified and cannot circumvent security. Also unpacks and scans archive files.
- **Real-time Lexical Analysis** – thorough lexical analysis of Web sites and URLs to reveal potentially malicious Web content.
- **Domain-specific Security** – enforce enhanced security procedures for unfamiliar Web sites or relax policies for trusted domains such as Microsoft.com.
- **HTTPS Scanning** – full content inspection of SSL secured traffic, preventing exposure to malware from supposedly secure Web sites. Can also deny access to sites using self-signed or expired certificates.
- **URL Filter List (Optional)** – set security policies for specific categories of Web content such as denying access to known hacker sites or sites with poor reputation.

M86 WEBMARSHAL PROVIDES A VARIETY OF REPORTS AND REAL-TIME PERFORMANCE COUNTERS THAT ALLOW YOU TO UNDERSTAND HOW USERS ARE UTILIZING INTERNET ACCESS. HERE THE REAL-TIME DASHBOARD DISPLAYS THREAT INFORMATION DETECTED BY TRACENET.

"We were keen to identify and monitor staff web-browsing activity to protect our business assets from potentially malicious web-based content and downloadable files. It was also important to limit non-business-related activities such as downloading MP3s and movies that were consuming bandwidth and storage capacity, and raising the risk of virus-type infections."

Ashleigh Martin, IT Manager, Toyota Tsusho

WEB ACCESS REPORTING

M86 WebMarshal provides a rich, intuitive and flexible design for enforcement of Acceptable Use Policy and overall management of Web usage. It not only controls where users go on the Web but what they can do when they get there.

- **URL Filter List (Optional)** – a choice of URL filtering lists is offered containing libraries of millions of URLs in dozens of categories. Filter lists offer improved accuracy for Web access control and reporting.
- **Real-time Lexical Analysis** – allows M86 WebMarshal to dynamically filter and classify Web sites as your users browse the Web, e.g. deny access to sites exhibiting excessive profanity with pre-defined filters.
- **File Controls** – policy-based management of file downloads. Files can be controlled by size, file type, user permissions and domain. Over 170 file MIME types are pre-defined.
- **Application and IM Control** – comprehensive application controls allow you to manage access to streaming media, P2P and instant messaging.
- **Personal Use / Quotas** – flexible policy-based enforcement options are provided to suit your workplace culture, including bandwidth and time quotas (with optional extensions and personal reports for users to track their quota usage), Web site category access by time of day (e.g. lunch time access to Facebook or Twitter), educational reminders/warnings and "click-to-confirm" access options.
- **SafeSearch** – enforce SafeSearch options for popular search engines such as Google and Yahoo!, automatically removing obscene links from search results.
- **Workstations** – policy options linked to specific workstations allow you to offer access by computer or IP address as well as by user or group.
- **Bandwidth Control** – manage bandwidth use by domain, user or file downloads.
- **Proxy Caching** – WebMarshal provides full, standalone proxy caching functionality which helps improve browsing performance, reduces bandwidth consumption and helps saves costs by delivering frequently accessed Web content from a local cache.
- **Reporting** – comprehensive reports identify the most visited Web sites, top Web users, itemized bandwidth costs and blocked content. Understandable executive summaries, system monitoring, and auditing of user behavior for human resources are all provided in easy to access, Web-based reports.

NOTE: Please review our M86 Marshal Reporting Console datasheet for more information on M86 WebMarshal reporting including report scheduling and automated email delivery – available from our Web site.

DATA LEAKAGE PREVENTION

Web-based email and Web 2.0 sites such as Facebook are driving new trends encouraging users to post content up to the Web – often without care or thought.

Despite the wealth of intellectual property and confidential data currently in digital formats, data leakage prevention is often overlooked. M86 WebMarshal closes this door and allows you to control who has the ability to upload sensitive or confidential information to the Internet.

- **Keywords** – M86 WebMarshal analyzes and blocks text containing specific keywords or phrases from being uploaded to the Web, either in Webmail messages, blog postings, short message updates like Twitter or even contained within popular files such as Word documents.
- **Webmail/Blogs / Web 2.0** – limit or block access to Webmail accounts, blog sites and other new media sites which facilitate user-enabled content and restrict what information or material users can transmit via the Web.
- **File Restrictions** – control the types of files that users are permitted to upload to the Web. Certain file types can be blocked altogether or can be limited to authorized users or approved domains.
- **Policy-Based Authentication** – implement your DLP policies by individual user, department, group or for all users; providing user authentication with NTLM support for Active Directory or Novell Directory Services.
- **HTTPS Inspection** – complete content inspection of HTTPS secured Web traffic. In a DLP context, this provides the ability to control what is uploaded to secure sites and ensures that certification standards are adhered to when uploading private information.

ADVANTAGES ANYONE CAN APPRECIATE

M86 WebMarshal is ideally suited to meet the needs of most businesses, agencies and institutions of any size. Offers flexibility, powerful features and reliable proxy-based design. M86 WebMarshal also boasts a highly scalable enterprise architecture which can easily support geographically distributed, multi-server environments with centralized management and consolidated reporting.

Simple, Easy Deployment
M86 WebMarshal can be installed and running within half an hour. With an intelligent installation wizard and automatic configuration of clear default policies M86 WebMarshal immediately to block offensive and malicious content. It can be deployed as a standalone proxy server (with caching), a Microsoft ISA Server plug-in or on multiple servers in a load-balanced array.

Flexible and Scalable
M86 WebMarshal gives you the flexibility to grow as your requirements change or expand. It supports virtualized environments and doesn't become obsolete like many fixed hardware platforms. It is regularly updated with new and useful functionality so you can continue to rely on M86 WebMarshal for years to come. You can easily add additional M86 WebMarshal servers as you need them with no extra licensing costs.

Set and Forget Administration
M86 WebMarshal has been designed with minimal administration in mind, so you can concentrate on more productive tasks. Close Active Directory and Novell Directory Services integration means that M86 WebMarshal is automatically up-to-date with new user accounts.

More Features and Greater Value than Any Other
No other Web security solution offers the depth of functionality and value that M86 WebMarshal provides - malicious Web site protection/anti-virus/anti-spyware/URL filtering/inbound and outbound Web content management (including HTTPS)/real-time analysis/file controls/streaming media, instant messaging and application control/bandwidth management and usage quotas/ data leakage prevention policies/multi-server management architecture/proxy caching/seamless directory integration for user management/in-depth reporting andintuitive ease-of-use. Nothing else comes close.

SYSTEM REQUIREMENTS

HARDWARE	Minimum	Recommended*
Processor	Pentium 4 or equivalent	Pentium Core 2 Duo 3.0 GHz or higher
Disk Space	20GB (NTFS) or higher 30GB additional disk space for proxy caching	80GB (NTFS) or higher
Memory	2GB RAM or higher	3GB RAM or higher
SOFTWARE		
Operating System	Windows Server 2008 (32/64 bit)/Windows 7/ Windows Vista SP1 Business or Ultimate (32/64 bit)/Windows XP Professional SP2 or later/Windows 2003 Server SP1 or later	
Database	SQL Server 2008/SQL Server 2008 Express/SQL Server 2005/SQL Server 2005 Express	
ISA Server (Optional)	ISA 2006 (Standard and Enterprise editons)/ISA 2004 SP2 or later (Standard and Enterprise editions)	

These requirements are recommended for up to 500 concurrent Internet users.

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 advance 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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