

# M86 WebMarshal™ 6.5

M86 WebMarshal 6.5 is an exciting release providing major new features such as M86 Web Filter Database support, TRACEnet threat protection, proxy caching, Google/Yahoo/Bing SafeSearch support and automatic configuration backup.

## KEY FEATURES

### Improved Security

The new TRACEnet security network targets key web threats including one of the newest and most destructive threats – blended attacks. Blended attacks are characterized by using a combination of tactics and vulnerability exploits to propagate. Often, these attacks will take the form of emails containing URL links to malicious websites. TRACEnet also addresses attempts to circumvent M86 WebMarshal's security, which can expose your organization to malicious activity from internal sources.

### Optimized Bandwidth and Performance

The new proxy caching functionality in M86 WebMarshal 6.5 intelligently stores recently or frequently accessed web content. This means that repeat requests for the same content are served from the local cache reducing unnecessary bandwidth consumption, saving costs and improving response times.

### Safer Browsing

Google/Yahoo/Bing SafeSearch helps ensure that users do not inadvertently expose themselves to offensive content. This is especially relevant in an education environment where a seemingly innocent search term can yield highly offensive or inappropriate results.

### Greater Value and Accuracy

The M86 Web Filter Database provides M86 WebMarshal customers with accurate website classification and reporting. The M86 Web Filter Database is an optional add-on module for M86 WebMarshal. Customers may trial the database for free and without any obligation. Please contact a M86 Security sales representative about our special sales promotions for the M86 Web Filter Database.

## WHAT'S NEW IN M86 WEBMARSHAL 6.5?

- **M86 Web Filter Database** – this URL database contains millions of URLs sorted into 100+ categories. Using the M86 Web Filter Database with M86 WebMarshal allows for more defined and effective policy enforcement and clearer Internet activity reporting.
- **TRACEnet** – TRACEnet is a new Web threat protection solution for M86 WebMarshal specifically designed to address blended attacks and emerging threats. TRACEnet is automatically updated and scans all Web activity, preventing your users from accessing dangerous web content.

TRACEnet targets a range of web-based threats including:

- **Malicious** – sites hosting malware or serving browser vulnerability exploits
- **Spam** – sites promoted through spam and botnets
- **Phishing** – fraudulent sites used to collect personal information
- **Anonymous Proxies** – private servers used to bypass network security
- **Proxy Caching** – M86 WebMarshal now provides sophisticated proxy caching facilities helping to reduce and optimize bandwidth consumption and improve Web browsing performance for end users.
- **SafeSearch Support** – SafeSearch is a service which ensures that standard search engine queries do not return offensive results by filtering out links to pornographic or inappropriate websites. M86 WebMarshal can enforce Google, Yahoo and Bing SafeSearch conditions for some or all of your users to ensure that users do not expose themselves to offensive material.
- **Enhanced Dashboard** – the M86 WebMarshal dashboard has been updated to provide relevant information on TRACEnet performance and details of web-based threats that have been detected and blocked. It also now displays real-time statistics on the proxy cache such as what percentage of traffic is accessed from the cache.
- **Automated Configuration BackUp** – M86 WebMarshal now automatically takes back-up snapshots of your configuration to aid in disaster recovery. This allows a M86 WebMarshal administrator to easily restore to a previous configuration in the event that a configuration change causes IT support issues.
- **Customer Feedback Module** – M86 WebMarshal 6.5 features an automated opt-in customer feedback system. This module provides M86 with anonymous web usage information and allows us to prioritize M86 WebMarshal development to best meet your needs. It also helps us understand which websites your organization uses so we ensure accurate classification of those sites and protection against Internet threats.

# M86 WebMarshal™ 6.5

## FAQs

### Q. How much does TRACEnet cost?

A. TRACEnet and TRACEnet updates are included as part of M86 WebMarshal Maintenance. There are no additional fees to use TRACEnet.

### Q. What information does TRACEnet report back to M86 Security?

A. When TRACEnet detects a threat behind a URL requested by your users, and this threat has not been encountered by M86 before, that URL is passed back to the M86 Security Labs for further analysis and validation. Only the URL is sent. No private or confidential information is reported by TRACEnet. The key benefit of this feedback is that all M86 WebMarshal/TRACEnet users are then updated about this threat. Your organization in turn is also proactively updated about threats encountered by other M86 WebMarshal customers.

### Q. What is the difference between TRACEnet feedback and the Customer Feedback Module?

A. TRACEnet feedback focuses on URLs detected as a threat. The Customer Feedback Module (CFM) provides M86 with more general information regarding both URLs and policies that are implemented. This feedback is designed to help M86 prioritize new features and focus on high value development which will be of the most benefit to customers. The CFM also helps us prioritize website classifications for the M86 Web Filter Database and better understand the behavior and needs of M86 WebMarshal customers.

### Q. Can I opt-out of the M86 WebMarshal Customer Feedback Module?

A. Yes. The M86 WebMarshal Customer Feedback Module is turned off by default. It is your choice to opt-into the feedback program. However, there are significant benefits to participating in the CFM. You will be directly contributing to our development roadmap and you will also be prioritizing websites that are most relevant to your organization for classification and analysis. As always, we respect your organization's privacy. All feedback data is completely anonymous.

## KEY FEATURES EXPLAINED

### POLICY ENFORCEMENT | M86 Security Filter List

The M86 Web Filter Database is a pre-categorized database of millions of URLs sorted into over 100 classification groups. The List is a subscription option for M86 WebMarshal, and represents the best value URL list on the market. M86 WebMarshal customers are welcome to trial the M86 Web Filter Database for free and without obligation.

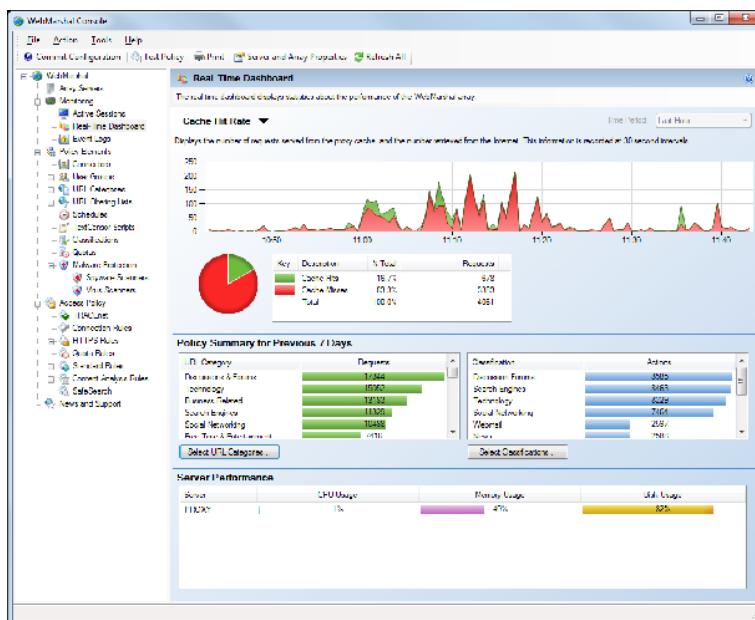
### SECURITY | TRACEnet

Web security is an increasingly important aspect of M86 WebMarshal's functionality.

The Web is now one of the most common ways that a network computer is infected with malware. Traditional anti-virus scanning is no longer sufficient protection for Web browsing. TRACEnet is a new set-and-forget threat protection system which prevents users accessing a range of Web-based threats.

TRACEnet targets the most pervasive and dangerous web threats:

- **Malicious Sites** – sites which contain malware, browser vulnerability exploits, Cross Site Scripting (XSS) and previously legitimate sites which may be temporarily compromised by hackers.
- **Phishing Sites** – fraudulent sites established by scammers to fool Internet users into revealing private information. Typically, these sites impersonate legitimate businesses, such as banks, and are designed to harvest log on credentials.
- **Spam Sites** – sites associated with spam either being promoted through spam, supporting spam campaigns or botnet-related social engineering sites designed to infect a computer and convert it into a spambot.
- **Anonymous Proxies** – these are sites which can potentially allow users to circumvent web security and acceptable use policies, thus creating an insider threat to your organization.



THE NEW TRACENET THREAT PROTECTION SYSTEM HAS BEEN ADDED TO THE M86 WEBMARSHAL REAL-TIME DASHBOARD. THIS SCREEN DISPLAYS INFORMATION ON THREATS BLOCKED BY TRACENET, A BREAKDOWN OF THE TYPES OF THREATS DETECTED AND TRACENET UPDATE HISTORY.

# M86 WebMarshal™ 6.5

## UPGRADING TO M86 WebMarshal 6.5

M86 WebMarshal customers with current maintenance contracts may upgrade to M86 WebMarshal 6.5 at no charge.

If you are a M86 WebMarshal customer and wish to upgrade to M86 WebMarshal 6.5, but do not have a current maintenance agreement, please contact your local M86 Security representative.

The procedure for upgrading your M86 WebMarshal server is documented on the Technical Support section of our website. If you require assistance during your upgrade (and you have a current maintenance agreement), please don't hesitate to contact your local Technical Support representative via our website – [www.m86security.com](http://www.m86security.com).

TRACEnet is managed and updated by the M86 Security Labs team utilizing a range of threat intelligence resources and detection technologies, including:

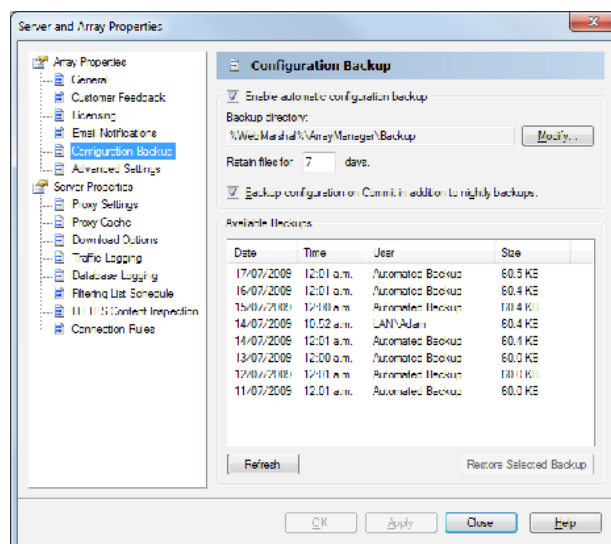
- **Spam and Phishing Email** – everyday, the M86 Security Labs team capture millions of spam and phishing emails. Approximately 80%-90% of these unwanted emails contain a URL link which the M86 Security Labs engineers harvest and analyze.
- **External Data Feeds** – TRACEnet leverages data feeds provided by reputable third-parties including the Anti-Phishing Working Group (APWG).
- **TRACEnet Feedback** – a key aspect of TRACEnet is feedback. As new threats are detected in the field, they are reported back to the M86 Security Labs who validate the threat and update all M86 WebMarshal customers with the latest threat intelligence.
- **Malware Behavior Analysis** – suspected threats detected by the M86 Security Labs or the TRACEnet security network are analyzed within a proprietary sandbox environment and verified as malicious or unwanted content.

TRACEnet compliments M86 WebMarshal's other key security features such as anti-virus scanners, spyware scanners, file type controls, lexical scanning and trusted domain/URL policies. TRACEnet employs two key approaches to threat detection:

- **TRACEnet Scan Engine** – the scan engine provides live threat analysis utilizing heuristic filters such as regular expressions. It is designed to detect characteristic patterns or vulnerability exploits embedded within websites.
- **TRACEnet Service Updates** – M86 Security Labs constantly update TRACEnet with the latest threat intelligence. These are pre-categorized URL's harvested from spam and phishing emails, compromised sites and threats detected via the TRACEnet network.

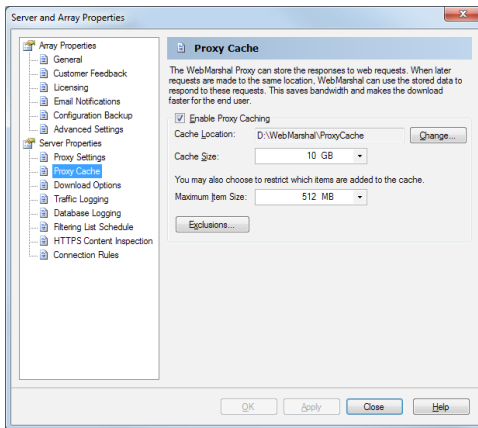
## ADMINISTRATION | Automated Configuration Backup

Configuration Backup has been developed as a failsafe for administrators in case of the need for disaster recovery. This new feature allows you to easily and conveniently restore a previous configuration or roll-back to an earlier configuration if required. You can choose from a list of available backups which are time-stamped and also view manually committed configurations, providing for simple administrator auditing.



AUTOMATED CONFIGURATION BACKUP IS ACCESSED THROUGH THE SERVER AND ARRAY PROPERTIES SCREEN. IT IS EASY TO ENABLE AND PROVIDES A LEVEL OF ADMINISTRATOR AUDITING, SHOWING BOTH MANUALLY COMMITTED CONFIGURATIONS AND AUTOMATED BACKUPS.

# M86 WebMarshal™ 6.5



NEW PROXY CACHING IN M86 WEBMARSHAL ALLOWS YOU TO DEFINE THE CACHE SIZE AND OTHER SETTINGS FROM THE SERVER AND ARRAY PROPERTIES' SCREEN.

## FOR MORE INFORMATION

The M86 WebMarshal 6.5 Release Notes can be found on the *Support* section of our website with a list of all changes in this latest release.

Also look for our new M86 WebMarshal 6.5 and TRACenet datasheets, available from the *Resources* section of our website at [www.m86security.com](http://www.m86security.com), or feel free to contact your local M86 Security representative to learn more about latest features and innovations.

## 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.

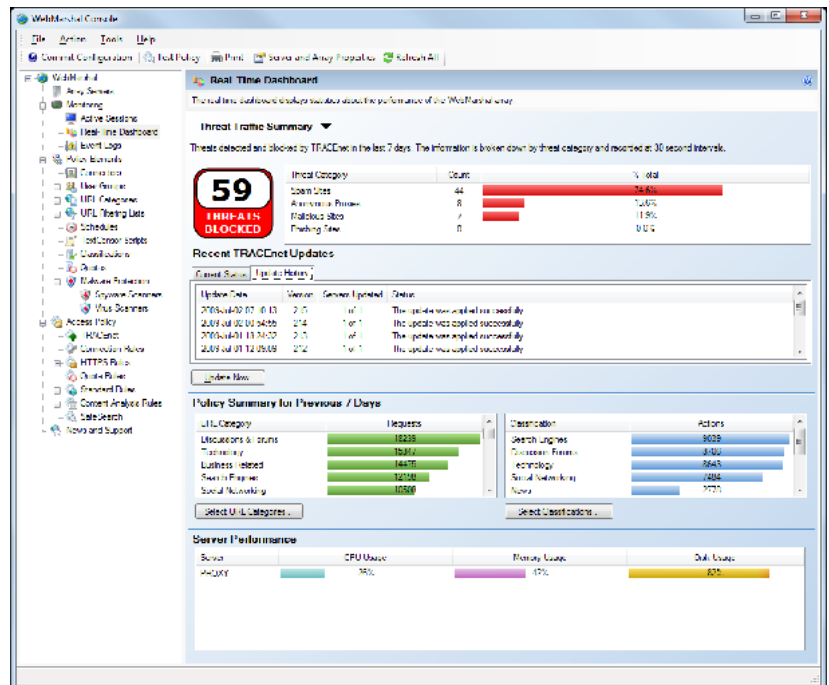
## POLICY ENFORCEMENT | SafeSearch

M86 WebMarshal 6.5 provides support for Search Engine screening of explicit or offensive content. Google, Yahoo and Bing provide these services and M86 WebMarshal supports enforced SafeSearch facilities for these search engines. SafeSearch enforcement is policy-based and can be applied to particular users or across all users within your organization.

## BANDWIDTH | Proxy Caching

A key new feature in M86 WebMarshal 6.5 is proxy caching. Caching allows M86 WebMarshal to store frequently or recently accessed web content on the M86 WebMarshal server. This helps to reduce unnecessary bandwidth consumption when multiple users are visiting the same websites.

M86 WebMarshal uses smart caching technology, only caching web content appropriate for storing and always refreshing dynamic content such as RSS feeds or update connections. M86 WebMarshal automatically manages and optimizes the cache and the cache size is completely configurable so you can fine tune the amount of storage space available to meet your organization's needs. Best of all, proxy caching delivers measurable cost savings and faster access for popular and frequently accessed Web content.



TWO NEW CACHE DASHBOARDS HAVE BEEN ADDED IN M86 WEBMARSHAL 6.5 AS PART OF THE ENHANCEMENTS TO THE REAL-TIME DASHBOARD. SHOWN HERE IS THE CACHE HIT RATE DETAILING THE PROPORTION OF WEB REQUESTS RETRIEVED FROM THE CACHE. ALSO PROVIDED IS A BANDWIDTH VIEW DETAILING THE PERCENTAGE OF BANDWIDTH SAVED BY PROXY CACHING.

## TRY BEFORE YOU BUY

M86 Security offers free product trials and evaluations. Simply contact us or visit [www.m86security.com/downloads](http://www.m86security.com/downloads)



**Corporate Headquarters**  
828 West Taft Avenue  
Orange, CA 92865  
United States  
Phone: +1 (714) 282-6111  
Fax: +1 (714) 282-6116

**International Headquarters**  
Renaissance 2200  
Basing View, Basingstoke  
Hampshire RG21 4EQ  
United Kingdom  
Phone: +44 (0) 1256 848 080  
Fax: +44 (0) 1256 848 060

**Asia-Pacific**  
Millennium Centre, Bldg C, Level 1  
600 Great South Road  
Ellerslie, Auckland, 1051  
New Zealand  
Phone: +64 (0) 9 984 5700  
Fax: +64 (0) 9 984 5720

Version 04/06/10