

M86 Web Filtering and Reporting Suite

Internet Filtering, Reporting and Real-time Threat Monitoring

The M86 Web Filtering and Reporting Suite (M86 WFR Suite) is the most comprehensive solution available to protect schools and districts from Web security threats and vulnerabilities associated with Web 2.0 applications and Internet-based learning. This best-of-breed, appliance-based solution integrates Internet filtering, detailed forensic reporting, and real-time monitoring of Web traffic and bandwidth use. It provides reliability, unmatched scalability and ease-of-use in one affordable solution.

KEY BENEFITS FOR EDUCATION CUSTOMERS

Improves Productivity

- Manages student access to the Internet, eliminating time wasted on social networking sites, streaming media, gaming, Instant Messaging (IM) and Peer-to-Peer (P2P) applications
- Enables IT administrators to focus on mission-critical projects instead of filtering or reporting issues
- Allows multi-location/delegated administration to streamline system and policy management

Ensures Student Safety

- Helps enforce district Acceptable Use Policies for PCs and MACs
- Supports CIPA compliance and 1:1 laptop initiatives
- Prevents legal liabilities resulting from exposure to inappropriate Web content

Preserves Network Resources

- Monitors bandwidth use in real time
- Controls access to bandwidth-intensive sites and applications by user and groups
- Maintains firewall, proxy or cache for core functions

M86 Web Filter Database

M86 pioneered today's technology for developing and building URL databases. The M86 Web Filter Database, regarded as the most complete and accurate ever compiled, was built from the ground up. Content verifiers from M86 Security Labs review, analyze and categorize Web sites using the most advanced technology.

Additionally, Customer Feedback Modules (CFM) track and collect clients' most frequently visited uncategorized sites for inclusion in the database. It comes pre-configured with a "CIPA Rule" for CIPA compliance.

Best Value, Low Total Cost of Ownership

Appliance-based solutions require no additional software or hardware purchases, so one price covers the total solution. "Pass-by" deployment and single-source support enable M86 to offer the most value and lowest cost of ownership available today—without introducing bottlenecks or latency.

Scalable Appliance Options

Districts can choose the solution that best meets their needs:

- **Small to midsize school districts:**
An affordable, single, integrated M86 Web Filter and Reporter appliance housed in rack-mountable 1U hardware.
- Supports up to 7,000 workstations
- **Large school districts:**
One scalable, dedicated M86 Web Filter and a dedicated M86 Security Reporter appliance.
- Supports up to 30,000 workstations

SECURING THE LEARNING ENVIRONMENT

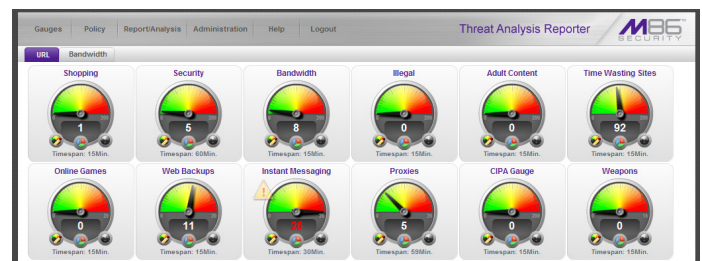
The M86 WFR Suite enables school districts and educational institutions to meet regulatory requirements, ensure student safety and proactively secure the network. Offering reliable, scalable solutions for districts of all sizes, M86 provides cost-effective, unmatched protection from Web threats.

Single-source Provider

M86 "owns", designs, supports and maintains every aspect of the solution. This includes the operating system; the Web monitoring, filtering and reporting applications; and the hardware platform. By controlling the entire solution, M86 eliminates the performance or compatibility issues common with third-party integration—unlike software-based solutions.

Deployment Options

M86 WFR Suite appliance(s) can be deployed in-line or in pass-by/SPAN port mode. When installed outside the flow of network traffic in a "transparent mode," rather than "stop and check" mode, it delivers zero network impact and fail-safe operation.



Real-time Threat Dashboard

M86 WFR SUITE INCLUDES:

- **M86 Web Filter:** Optimized for speed, it filters URLs, IPs, anonymous proxies, spyware, botnets, IM, P2P, social media and other sources of emerging threats. Uses the M86 Web Filter Database, enhanced by Intelligent Footprint Technology.
- **M86 Security Reporter:** Processes and displays Internet filtering logs without impacting filtering and network functions. Built on a dedicated MySQL database, it provides customizable, at-a-glance dashboards and executive reports along with intuitive and extensive forensic, drill-down reporting to prove user intent.

It also delivers up-to-the-minute graphical snapshots of Internet traffic and bandwidth use, and is supported by real-time management tools to identify and control user-generated Web threats and bandwidth use.

INTERNET CONTENT FILTERING

- **Internet Filtering:** Includes URLs and/or IP addresses, HTTP, HTTPS, FTP, Newsgroups (NNTP), and TCP Ports.
- **Internet Threat Blocking:** Includes spyware, malicious code, phishing sites and botnets (IRC, command-and-control).
- **Proxy-pattern Blocking:** Uses unique signature-based/pattern detection to block anonymous proxies.
- **“X-Strikes” Blocking:** Locks down a workstation when administrator-defined thresholds for Web access are exceeded.
- **SafeSearch Enforcement:** Forces the SafeSearch mode “on” for all searches, including images within search engines.
- **Application Control:** Uses signature detection to block more than 125 types of streaming media, gaming, P2P, remote desktop and IM applications. Helps districts demonstrate compliance, mitigate security risks, prevent data loss and manage bandwidth more effectively.
- **Multi-tiered/Multi-layered Administration:** Administrators can define sub-administrator access control to their policy for specific AD/LDAP groups and users. Each sub-administrator can then create a unique filtering profile for their delegated users group(s)/IP range.
- **Detailed Internet Usage Control:** Provides the administrator the ability to block, warn and manage Internet usage.
- **Calendar-based Time Profiles:** Enables profiles to be set by day, day of the week or day of the month. Recurrences can be configured for daily, weekly, monthly and yearly settings.
- **Directory-based Authentication:** Includes Windows Active Directory, Windows NT, SunOne, open LDAP and transparent MAC authentication.

REAL-TIME MONITORING AND MITIGATION

- **Real-Time Threat Dashboard:** Offers graphical “gauge view” of online activity, displaying an organizational snapshot of multiple threat categories and top offenders based on predefined thresholds and policies. Gauges are customizable to monitor different groups and threats.

- **Alert Notification:** Delivers automatic, predefined notifications via email, SNMP, or as an alarm in the system tray for excessive URL activity or bandwidth usage. Alerts display information regarding the user in violation.
- **Real-Time Mitigation:** Locks out policy violators or users engaging in potentially threatening activity. Activated manually or automatically, the lock-out mechanism can be set to varying levels of restriction, from category lockout to complete quarantine.
- **Bandwidth Monitoring and Reporting:** Provides real-time bandwidth monitoring of inbound and outbound activity by protocol, port and user.
- **Bandwidth Quotas:** Enables administrators to set up bandwidth quotas by protocols or ports. Mitigate threats proactively based on excessive bandwidth usage.
- **Trend Charting:** Displays historical trending of Web activity and bandwidth usage based on predefined categories or protocols, enabling optimization of threat gauge settings.

HISTORICAL FORENSIC REPORTING

- **Intuitive Graphical Dashboard Reports:** Identifies anomalous Internet activities quickly through easy-to-read graphical reports, including the top-blocked users, top categories, top sites, etc.
- **Custom or “Canned” Reports:** Uses pre-set templates for quick reference, then drill-down for more details:
 - **Executive Reports:** Provides powerful visibility into all Web-related student and staff activity.
 - **Detailed Forensic Reporting:** Provides detailed drill-down reporting using unique criteria that help districts build compelling forensic reports. User intent is gauged by documenting the full length URLs visited, as well as the search string used within a search engine text box.
 - **Report Memorization, Scheduling and Distribution:** Ensures specific data inquiries can be saved or “memorized” for immediate or future access. Custom reports can be scheduled, executed and automatically distributed via e-mail at a preferred frequency.
 - **Archiving:** For large installations or networks that generate significant Web traffic, M86 offers attached storage solutions to collect historical data for future inquiries.

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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