

8e6 Professional Edition

Enhanced with Real-Time Threat Management

8e6 Professional Edition is the most comprehensive solution available to protect schools and districts against threats arising from Internet-based learning. Integrating best-in-class URL filtering, forensic Web usage reporting and real-time monitoring and mitigation of insider threats, the Professional Edition's award-winning performance delivers power, ease of use and unmatched scalability.

SECURING THE LEARNING ENVIRONMENT

Improves Productivity

- Manage student access to the Internet, eliminating time wasted on unauthorized Web sites, Instant Messaging (IM) and Peer-to-Peer (P2P) applications
- Free up school/district IT management for mission-critical projects, rather than constantly addressing filtering or reporting issues

Ensures Student Safety

- Provide tools to enforce district Acceptable Use Policies
- Support CIPA and 1:1 Initiatives
- Avoid damaging and costly legal liabilities due to exposure to inappropriate or offensive Web content

Preserves Network Resources

- Control access to bandwidth-intensive sites
- Keep firewall, proxy or cache available for their core functions

THE PROFESSIONAL EDITION SUITE INCLUDES:

- **R3000 Internet Filter:** Offers high performance, enterprise-level filtering optimized for speed and scalability. Filters URLs, anonymous proxies, spyware, botnets, Instant Messaging, Peer-to-Peer and other emerging threats utilizing M86 Security's 100+ Category Database enhanced by Intelligent Footprint Technology.
- **Enterprise Reporter:** Processes and displays Internet filtering logs without impacting filtering and network functions. Built on a dedicated MySQL database, it uses a graphical interactive data-mining interface to generate detailed or summarized reports.
- **Threat Analysis Reporter:** Delivers up-to-the-minute graphical snapshots of Internet traffic and is supported by real-time management tools to identify and control user-generated Web threats.



Real-Time Threat Dashboard

KEY BENEFITS

Dedicated and Scalable Appliance-based Solution

The 8e6 Professional Edition uses high-performance appliances specialized to only monitor, filter and report. Housed in rack-mountable 1U hardware, it features powerful configurations such as quad-core Xeon processors, hot swappable hard drives (RAID) and are designed to support as few as 1,500 to more than 30,000 workstations while maintaining consistent and dependable service.

Pass-by Technology

M86 solutions are installed outside the flow of network traffic in a "transparent mode," rather than "stop and check" mode, delivering zero network impact and fail-safe operation.

Single-source Provider

M86 "owns," designs, configures, supports and maintains every aspect of the solution. This includes the secured/hardened operating system; the Web monitoring, filtering and reporting applications; and the hardware platform. Unlike software-based solutions, M86 eliminates performance or incompatibility issues due to third-party integration.

URL Database

M86 pioneered today's technology for developing and building URL databases. Built from the ground up—utilizing the most advanced search tools and employing Internet analysts and content verifiers to review, analyze and categorize Web sites—the M86 database is regarded as the most complete and accurate ever compiled. In addition, Customer Feedback Modules (CFM) track and collect clients' most frequently visited, uncategorized sites for inclusion in the M86 database. Comes pre-configured with "CIPA Rule".

Best in Value, Lower Total Cost of Ownership

Appliance-based solutions require no additional software or hardware purchase—one price covers the total solution. "Pass-by" deployment and single source support add up to the most value and lowest cost of ownership available today.

INTERNET CONTENT FILTERING

- **Filters the Internet:** Including URLs and/or IP addresses, HTTP, HTTPS, FTP, Newsgroups (NNTP), and TCP Ports.
- **Blocks Internet Threats:** Including spyware, malicious code, phishing sites and botnets (IRC, command-and-control).
- **Blocks Instant Messaging and Peer-to-Peer:** Utilizing M86 Intelligent Footprint Technology (IFT) to block IM and P2P servers by signature or pattern.
- **Real-Time Probes:** Allow administrators to monitor user Internet activity as it occurs.
- **“X-Strikes” Blocking:** Locks down a user’s workstation when administrator defined thresholds for accessing inappropriate Web sites are exceeded.
- **Proxy-Pattern Blocking:** Block anonymous proxies using unique signature-based/pattern detection.
- **SafeSearch Enforcement:** Forces the SafeSearch mode “on” for all searches including images within search engines (Google, Yahoo, AOL, Ask, Bing).
- **Customer Feedback Module:** Sends frequent, non-categorized URLs from participating customers back to M86 on a daily basis. Selected URLs are reviewed and added to M86’s standard library categories.
- **Synchronization Central Management Console (SCMC):** Allows administrators to synchronize and manage multiple R3000s without independently configuring each unit.
- **Multi-Tiered Administration of Active Directory and LDAP Profiles:** Administrators can define sub-administrator access control to their policy for specific AD/LDAP Groups and Users in addition to the existing control of IP Group users.
- **Detailed Internet Usage Control:** Provides the administrator the ability to block, warn, or provide a quota on Internet use.
- **Calendar-Based Time Profiles:** Time profiles can be set to the calendar 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:** Utilizes directories such as Windows Active Directory, Windows NT and LDAP.
- **Customizable User and Group Profiles:** Can be created using M86’s extensive database of 100+ categories, encompassing tens of millions of URLs and IP addresses.

HISTORICAL FORENSIC REPORTING

- **Intuitive Graphical Dashboard Reports:** Quickly identify anomalous Internet activities through easy-to-read graphical reports, including the top blocked users, top categories, top sites, etc.
- **Custom or “Canned” Reports:** Generate “canned” reports using pre-set templates for quick reference, then drill-down for more detail.

- **Detailed Forensic Reporting:** Provides detailed drill-down reporting utilizing several unique criteria that help organizations 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 (e. g. daily, weekly, monthly).
- **Archiving:** For large installations or networks that generate significant Web traffic, M86 offers attached storage solutions for collecting historical data for future inquiries.

REAL-TIME THREAT MONITORING AND MITIGATION

- **Real-Time Threat Dashboard:** Offers up-to-the-minute 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 easily customizable to monitor different groups and threats.
- **Alert Notification:** The 8e6 Alert Manager 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. The lockout mechanism—activated manually or automatically—can be set to varying levels of restriction, from category lockout to complete quarantine prohibiting network access.
- **Bandwidth Management and Reporting:** Provides real-time management and monitoring of inbound and outbound bandwidth activity by protocol, port and user.
- **Trend Charting:** Displays historical trending of Web activity and Bandwidth Usage, based upon predefined categories or protocols, enabling optimization of threat gauge settings.

ABOUT M86 SECURITY

M86 Security is a global provider of Web and messaging security products, delivering comprehensive protection to more than 20,000 customers and over 16 million users worldwide. As one of the largest independent internet security companies, we have the expertise, product breadth and technology to protect organizations from both current and emerging threats. Our appliance, software and cloud-based solutions leverage real-time threat data to proactively secure customers’ networks from malware and spam; protect their sensitive information; and maintain employee productivity. The company is based in Orange, California with international headquarters in London and offices worldwide. For more information about M86 Security, please visit www.m86security.com.

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