M86™
SECURITY

M86 Secure Web Service Hybrid

Integrated Cloud-based and On-premises Security

With an increasingly mobile workforce, organizations need to extend the same level of Web security used at headquarters to employees who work from home, branch offices, airports, coffee shops and other remote locations. Without protecting mobile laptops and remote PCs, organizations leave their networks exposed to malware attacks and vulnerable to costly data loss. The M86 Secure Web Service Hybrid (M86 SWS-H) integrates with the award-winning M86 Secure Web Gateway (M86 SWG) to deliver real-time malware protection, maintain productivity and enforce compliance seamlessly and cost effectively—regardless of a user's location.

The M86 SWS-H is the first Web security system to integrate Real-time Code Analysis, on-premises appliance technology, and cloud-based services within a single management interface. Organizations can manage their Web security policies centrally, ensuring consistent policy for all users who connect to the company network. Deployed with the M86 SWG, this hybrid solution provides the most accurate, comprehensive real-time Web security protection available to users anywhere, anytime.

KEY BENEFITS

Proactive Real-time Protection from Dynamic Malware

- Prevents emerging malware from infiltrating the network
- Reduces time spent discovering, cleaning and re-imaging infected systems
- Reduces resources required for patch management by limiting the need for emergency patches

Web 2.0 Social Media and Productivity Control

- Enables productive use of Web-based applications
- Reduces help desk calls by allowing infected Web pages to display safely, while removing malicious content
- Helps enforce Internet Acceptable Use Policies

Industry and Legal Compliance

- Reduces liability risks by blocking inappropriate sites
- Provides a wide range of reporting views and dashboards to show proof of compliance
- Allows organizations to control and own several years of Web activity data

Data Leakage Prevention

- Reduces data loss risks by enabling organizations to control access to social media sites flexibly
- Safeguards corporate/brand reputation by preventing inappropriate outbound content

Comprehensive Reporting

- Helps mitigate security risks by identifying high-risk users responsible for generating dangerous Web activity
- Provides essential security threat reports
- Easy to manage and integrate

KEY TECHNOLOGIES

Central to the M86 SWS-H is the **M86 Vital Web Security Suite™**, a group of complementary technologies that safeguard corporate networks from known, unknown and dynamic malware threats, detecting attacks that evade other security solutions.

Real-time Code Analysis

M86's Real-time Code Analysis engine detects and blocks obfuscated code and other dynamic cybercrime techniques in real time. It scans and analyzes all incoming and outgoing Web content communicated over HTTP and HTTPS, regardless of origin and without signature matching. As a result, malware is detected and blocked before entering the network—even when hiding in encrypted SSL traffic.

Vulnerability Anti.dote™

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 to identify and block content that tries to exploit weaknesses. As a result, new rules are included in M86's security updates and installed transparently in all M86 SWG deployed appliances.

Dynamic Web Repair™

In the event a legitimate Web site is compromised, Dynamic Web Repair removes the malicious code seamlessly, without blocking the Web site. After eliminating the offending code, Dynamic Web Repair delivers the safe Web content to the user, ensuring continued productivity.

M86 Web Filter List

This URL category database provides millions of URLs in more than 100 categories. It offers greater control for access to specific website categories, including Web 2.0, Webmail and streaming media. It also enables highly granular Web activity reporting. Built from the ground up, the M86 Web Filter List uses advanced search tools and content verifiers to review, analyze and categorize websites.

UNIFIED WEB SECURITY AND CENTRALIZED POLICY CONTROL

M86 SWG and M86 SWS-H work together to deliver a unified policy management, logging, and reporting system for network security administrators who manage corporate Web security across the network to mobile and remote branch offices. The M86 SWS-H, an integrated option for the M86 SWG, combines on-premises policy servers and cloud-based scanners to provide real-time malware protection and data leakage prevention capabilities to mobile and remote office users.

Unified Policy Management Extends Security to All Users
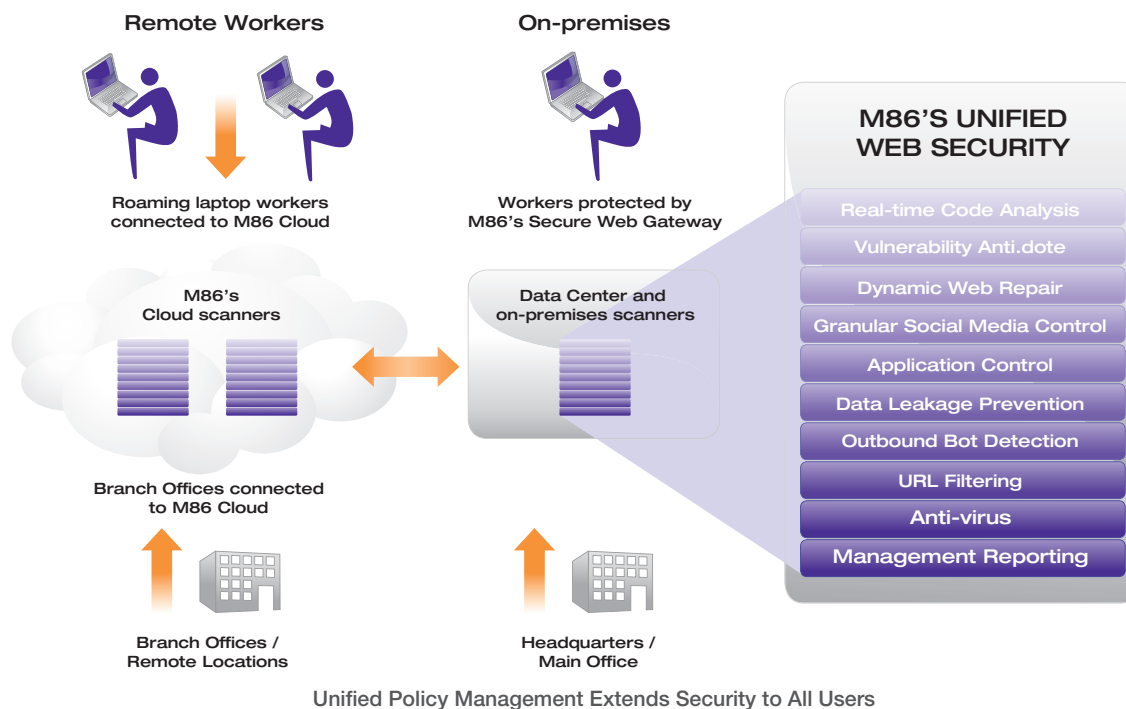
ADDITIONAL FEATURES

- Provides unified logging, reporting, and policy management
- Enables powerful management of cloud users imported by LDAP or Active Directory
- Allows integrated certificate management service for identification of cloud-user Web security traffic, including issuing, revoking, blocking, exporting, and provisioning
- Scales from small installs with a single cloud scanner instance up to a multi-instance service with load balancing
- Distributes configuration changes to endpoint agent of mobile users through the cloud scanner to agent connection
- Defines cloud users as a category within user group management for purposes of policy definition and management
- Provides instant forensic information on the Web traffic activity of cloud users
- Continuously synchronizes URL filter and scanning code updates from policy server to cloud scanner instances
- Includes silent Active Directory install scripts for agent and certificates to manage Windows workstation deployments
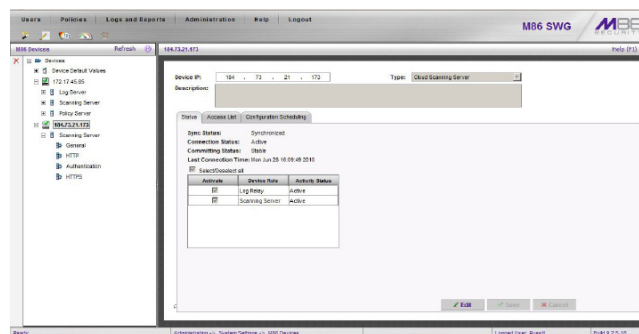

All-in-one Policy Server and Cloud Scanner Devices Configuration
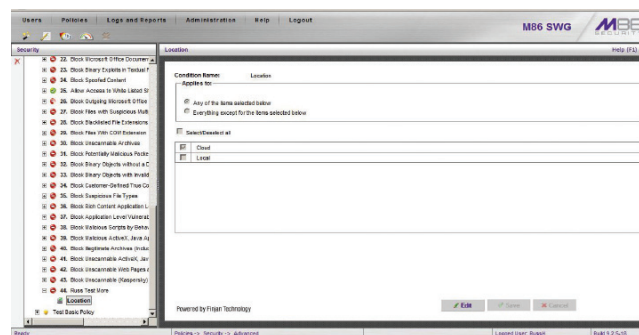
Making a Location Rule Condition for a Cloud User

NETWORK INTEGRATION

M86 SWS-H delivers a full range of different network configurations to protect an organization from Web-based malware attacks. Mobile users can roam between ISPs and automatically find the most proximate cloud scanner for routing and cleaning of Web traffic. All HTTP traffic, including HTTPS, is scanned and analyzed. Remote offices can be configured as "Specific IP" networks in relation to cloud scanners using proxy chaining.
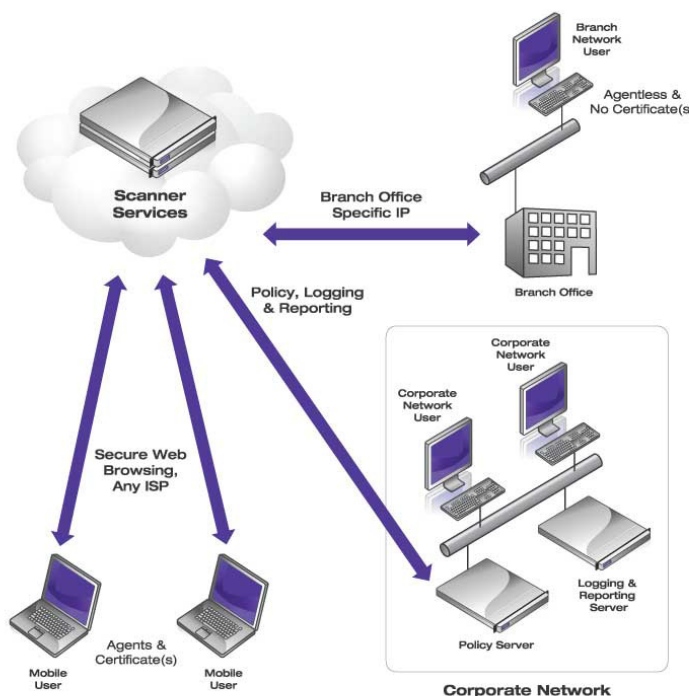
Protected Branch and Mobile Users

System Requirements

- Browser Support: IE7 and higher; Firefox 3.0 and higher
- Windows Support: XP SP2 and higher; Vista SP1 and higher
- M86 Secure Web Gateway appliances running version 9.2.5 or higher

Protocols, Standards, Open Source Services Support
ICAP, WCCP v2, Squid, AD/LDAP, RADIUS, SNMP v3, HTTPS (SSL), SMTP, UDP, SSH, HA Proxy, Kerberos

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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