

# Mirapoint: Anti-Spam

## Sharpening Your Defense Against Spam

### The Costly Spam Dilemma

Spam is now estimated to be 60-90% of Internet email volume, costing the average 10,000-employee business about \$16 million a year. The spam problem doesn't end there—inadequate spam protection jeopardizes employee productivity, creates liability exposure, and compromises email service reliability.

### The Cutting-Edge Mirapoint Anti-Spam Solution

Mirapoint's MailHurdle™ technology provides an industry-leading approach that drops up to 80% of threats at the network edge before network bandwidth, storage, processor and administration resources are wasted. In combination with Mirapoint's Full-Spectrum™ email security technology, customers can achieve overall catch-rates of 98% with virtually zero false positives. Automated updating provides the latest and greatest protection against new and evolving spam threats.

### Features That Provide Extra-Sharp Protection

**Baseline Spam Protection:** The basics of spam protection are included in every Mirapoint appliance including the Message Server and RazorGate appliances. These features include real-time blackhole lists (RBLs) support, integrated support for Vipul's Razor, reverse domain name system (DNS) lookup, closed relay protection, and simple mail transfer protocol (SMTP)-based authentication. To improve message traffic management, Mirapoint's appliances limit the number of SMTP connections that can be made by remote hosts. To protect against denial-of-service (DOS) attacks, Mirapoint appliances can manage and throttle back SMTP connections to a specific IP address if abnormal activity is detected.

**Mirapoint's Rapid Anti-Spam Technology:** Mirapoint's Rapid Anti-Spam technology uses information collected on a global basis from network probes to identify spam and virus outbreaks in real-time. With Rapid Anti-Spam, no updates or ongoing maintenance is required and customers can be confident they have a security defense in place that is impervious to future attacks and evolving techniques exploited by spammers and many virus writers. Furthermore, since the intelligence behind Rapid Anti-Spam is based on real-time outbreak information not analyzing individual

message content, the approach delivers zero false-positives, works with any type of message content and language, as well as effectively distinguishes between legitimate bulk mailing and spam.

**Domain-Level Black & White Lists:** Black lists address email abuse and prevent DOS attacks, while white lists reduce false positives and prevent business-critical email from being accidentally classified as junk mail. Administrators can easily configure both black and white lists through Mirapoint's web-based administration tools.

**Personalized End-User Controls:** Users can individually enable junk mail filtering and access their own junk mail folder, as well as create personalized black and white lists. These end-user controls delegate more responsibility to end-users, better protecting the privacy of their communications and allowing them to individually decide what is and is not spam.

**Flexible Content Filtering:** Filtering can be done based on content in the header, body, or attachments to a message. For example, messages with inappropriate language can automatically be deleted or quarantined. Content filtering is configurable at the domain level or by individual users and can be used to view the content of attachments including Word, Excel and PowerPoint files.

**Class-of-Service Controls:** Every Mirapoint appliance offers class-of-service controls that define access for individual users or domains to various features in the system, including spam filtering. These class-of-service settings can be stored on the Mirapoint system or in a Lightweight Directory Access Protocol (LDAP) server. For example, service providers and educational institutions frequently use this feature for defining billable service packages or tailoring functionality for specific users in a diverse environment.

**Simplified Unified Management:** To reduce costs and ease administration, spam protection can be quickly enabled on any existing Mirapoint appliance simply by installing a license key. Spam filtering features are managed through the same unified management tools used for other email and security services, as well as incorporated into Mirapoint's unified logging model. Web-based graphical reports for viewing junk mail activity and overall filtering effectiveness are also available.