

# EMAIL SECURITY BEYOND THE EDGE

MIRAPOINT DELIVERS PROVEN, APPLIANCE-BASED SOLUTIONS WITH CARRIER GRADE RELIABILITY TO BUILD A SECURE MESSAGING INFRASTRUCTURE WITH CENTRALIZED CONTROL AND SIMPLIFIED MANAGEMENT – ALL AT A DRAMATICALLY LOWER COST.



## About Mirapoint

Founded in 1997, Mirapoint is the market leader in appliance-based solutions for secure message networks in enterprise, service provider, and education organizations, with more than 100 million mailboxes served and secured worldwide. Customers use Mirapoint appliances including the Message Server mail appliance and the RazorGate mail security appliance to build the messaging infrastructure that intelligently serves, secures and manages email. Mirapoint is headquartered in Sunnyvale, California, with offices throughout North America, Europe and Asia. For more information on Mirapoint, visit its Website at [www.mirapoint.com](http://www.mirapoint.com).

**“Mirapoint's security functionality and proven reliability also provides us with the peace of mind that we've selected a system that will work seamlessly with our VPN investment, as well as grow to meet our constantly-evolving messaging needs.”**

*Illinois Tool Works*



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# EMAIL SECURITY THROUGHOUT THE FABRIC OF THE NETWORK.

## It's A War Zone Out There

Email systems administrators versus hackers, viruses, spam, and who knows what next. Over 450 new viruses are discovered each month, according to IDC Research. Gartner Group estimates that more than 80 percent of computer viruses enter the network through email, and the typical infection costs organizations up to \$500,000 per incident. Less destructive, but equally disruptive is spam. The Radicati Group projects the worldwide cost of spam is \$20.5 billion per year. Spam-related threats include open relays that can be exploited by unscrupulous senders to route large volumes of spam through an organization's message network without their permission or awareness. Phishing and pharming attacks are also key weapons in the spammer arsenal; impersonating another company or a person of authority to get personal information is becoming commonplace, even in large enterprises.

## Yesterday's Solutions Don't Work Today

After years of installing firewalls, spam filters, and other point solutions, many companies are left with a cumbersome patchwork defense to guard against incoming threats. Now, with increasing messaging volume and complexity and the difficulty of managing all those disparate defenses, companies are experiencing serious performance bottlenecks and gaping security holes in their message network in addition to regulatory compliance exposure.

## Organizations Need Security Throughout The Network – Not Just at The Edge

In order to address the wide range of messaging risks, next-generation solutions need to take a comprehensive, integrated, multi-layered approach to email security. They must be optimized with technology components tailored for security prevention, including features like hardened system design and hacker-proof operating system software. Additionally, these solutions need to be feature-rich and designed for the quick and easy rollout of security services, such as anti-spam, anti-virus, policy enforcement, archival, and other security and compliance services. Mirapoint's multi-layered security approach includes: **MailHurdle™** connection management technology, for edge spam and virus blocking and **RAPID Anti-Spam™** to stop 98% of spam, **RAPID Anti-Virus™** for zero hour protection from known and unknown viruses, **content filtering**, **policy management** and **email encryption** to meet regulatory and corporate messaging policies, and **Junk Mail Manager** to quarantine junk mail at the edge and at the client level.

*Administrators can have peace of mind that they have a Secure Messaging Infrastructure.*

**“Mirapoint's maturity in product development and unique technology like MailHurdle, coupled with their long-term experience in messaging, made them the best fit.”**

*RSA Security*

## Mirapoint Provides Multi-Layered Email Security

**Edge Protection:** Mirapoint's MailHurdle™ connection management technology provides an industry-leading approach that blocks up to 80% of threats at the network edge before network bandwidth, storage, processor and administration resources are wasted. MailHurdle blocks malicious message traffic at the SMTP-layer by dropping non RFC-compliant connections. Using reputation-based blocking policy, MailHurdle can let the good guys in and keep the bad guys out and off the network. Automated updating provides the latest and greatest protection against new and evolving spam threats.

**Real-Time Spam Protection:** Mirapoint's RAPID Anti-Spam technology continuously utilizes information collected on a global basis from network probes to identify and block spam outbreaks in real-time. RAPID Anti-Spam is equally effective against spam, fraud, phishing and malware. Rather than evaluating each individual message, the Rapid Anti-Spam approach analyzes large volumes of Internet traffic in real-time and outbreaks are identified as soon as they emerge. The result is language independent instant protection – far ahead of signatures or software updates.

**Zero Hour Virus Protection:** Mirapoint's RAPID Anti-Virus technology adds an additional layer of real-time protection. By using information collected on a global basis from a network of over 30 million probes to address emerging threats, RAPID Anti-Virus helps customers identify viruses within minutes of an outbreak. In comparison, signature-based approaches alone often take up to 24 hours to get updated before they start protecting an organization's network from attack, which is often too late to affect the initial peak in message volumes associated with an emerging virus propagating in the wild (typically 6-8 hours from an outbreak).

**Content Filtering and Policy Management:** Mirapoint offers flexible content filtering for inbound and outbound message traffic, as well as enforcement of regulatory compliance and corporate policies. This ensures that sensitive material is not distributed without authorization. Administrators can establish filters to delete, forward, archive or quarantine messages based on specific keywords message attributes. With Mirapoint's wiretap capabilities, messages (including the SMTP envelope) are copied to be stored in archive for retention and audit purposes. Mirapoint can apply different levels of service to different users and groups based on their role, location, and time of day.

**End User Controls:** Junk Mail Manager addresses the evolving spam landscape and false-positive factor with individual quarantine mailboxes deployed on the edge security appliance. This architectural approach reduces the load on the core mail server and network, thereby cost effectively boosting overall performance and responsiveness of the message network. Junk Mail Manager helps manage storage and eases the administrative burden by integrating per-user controls like black and white lists and content filters, as well as automatic message ageing to auto-expire quarantined email. Designed to complement any existing mail server, Junk Mail Manager works with traditional desktop clients like Outlook® or iNotes® by delivering secure summary digests of quarantined messages directly to the inbox. Users can then view quarantined messages, as well as self-manage what ultimately gets delivered to their inbox. An intuitive web-based interface is also provided with Junk Mail Manager, so customers can securely log into their quarantine from any Internet browser and manage their email.

**“The Mirapoint virus protection gives us peace of mind and reduces technical support hours.”**

*Hassett Air Inc.*

**Email Encryption:** Mirapoint and PGP Corporation have teamed up to offer secure, encrypted mail from desktop to server. PGP® Universal's fully automated network-based encryption for email, integrated with Mirapoint's Razorgate email security and policy management appliance, provides enterprise customers a comprehensive gateway email security solution that provides encryption, digital signatures, anti-virus, anti-spam, and content filtering—all managed through a common security policy. The integrated Mirapoint/PGP solution helps enterprises comply with regulatory, partner, and customer security requirements as well as meet the organization's own objectives for security and protection of confidential data.

