

# Threat Protection

## The hidden hosts of Internet and email threats

With one billion people using the Internet and a staggering two million emails being sent every second, Internet threats and spam are on the rise.

The current estimate is that 80 percent of all corporate email received is spam which can cost businesses approximately four cents (U.S.) per message. Additionally, between May 2005 and October 2006, phishing web sites increased 360 percent, from 3,326 to 11,976 sites.

A recent Marshal customer reported capturing more than 200,000 spam messages a day – a saving of US\$8,000 in bandwidth and time.

### Beware the unexpected

Spam and phishing are only two of a number of threats to an organization, but it's the unknown threats that are the most dangerous. Unknown threats include:

- Viruses
- Worms
- Spyware
- Malware
- Denial of Service Attacks
- Directory Harvest Attacks
- Botnets

Whether via email, or web browsing, these threats can cause system-wide crashes and cost thousands of dollars

in time and lost productivity – not to mention damage to your company's reputation.

Due to increasing financial gain, organized crime is behind a vast majority of threat attacks, and companies are, therefore, increasingly at risk from issues such as identity theft. If affected, corporations liable for customer data protection, could face prosecution as well as the loss of numerous customers and revenue.

Corporate reputation is invaluable and, once it's damaged, there's no quick-fix solution to recovery.

### Is your business protected?

The threat landscape changes very quickly, and companies need to be ahead of the curve or at least able to adapt quickly. Many companies today have products or services in place that help to block spam and viruses, but what about the many other types of threats?

For example, a rogue botnet that resides on computers will use IP addresses allocated to the company. If these become blacklisted, it is extremely

difficult and complex to reverse; and, in the meantime, will disrupt incoming email flow and general Internet usage. How much would it cost a business to go 'offline' for a week?

Many threat protection technologies are merely single-threat solutions. This means that companies buy products for immediate threats on certain devices; however, this approach is complex and costly. For the same reasons that companies are commencing on server consolidation projects, it is important not to create the same problem with security protection. One thing's certain, tomorrow's threats will be more sophisticated, therefore much harder to detect and even costlier to resolve.

So, how can you be sure you're getting quality results and ROI from your current content security solutions? Or, is it time for something completely new?

### How Marshal can help

Marshal provides comprehensive secure email and Internet management solutions that integrate content filtering, compliance, secure messaging and archiving to protect businesses, small and large, against email and Internet-based threats. Marshal's flagship solutions, MailMarshal and WebMarshal, protect networks, business assets and employees from incoming, outgoing and internal email and Internet content threats.

With 10 years in content security solution development, Marshal's highly

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Secure. Protect. Comply.

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trusted solutions block all threats at the gateway, before they enter the organization's network. This means an organization is free from vulnerability, yet receives all legitimate, often business-critical, messaging.

At the core of MailMarshal is content filtering functionality that is powered by its unpacking engine. This engine takes a mail message and unpacks it into its multiple parts, recursively unpacking any attachments. It then lays the message out for full inspection by integrated anti-virus and anti-spyware scanners, and submits it for further interrogation by the TextCensor function which recognizes any files by their actual structure, or any of the other scanning technologies.

TextCensor is Marshal's original Lexical Analysis engine, which allows you to automatically scan the text content of email, including attachments and web pages. You can use Marshal's default scripts or create your own custom criteria to block or restrict malicious or offensive content.

The MailMarshal infrastructure is completely extensible and forms the foundation for whatever technologies might be required tomorrow.

MailMarshal's anti-spam approach

consist of a multi-layered engine that makes use of the most effective technologies and achieves a spam catch rate of more than 99 percent with a fractional percentage of false positives.

In addition, MailMarshal SMTP stops the majority of phish emails before users ever see them; and WebMarshal blocks user's inadvertent attempts to visit phish websites, in case they get these links from another source. This can save users or their company from becoming another phishing statistic.

Marshal threat detection and protection solutions offer maximum

- Accuracy – broad range and depth of technology,
- Usability – rules based approach for ultimate customisation, and
- Flexibility – suite of management options.

## You can rely on TRACE

Dedicated to the ongoing satisfaction of every customer, Marshal's TRACE (Threat Research and Content Engineering) team of security experts constantly monitor and respond to Internet security threats. The team analyzes threat trends and delivers

frequent automated updates to keep MailMarshal customers constantly protected. TRACE also provides "Zero Day" security protection to secure customers against new exploits the day they emerge.

## Threat Protection TOP Tips

Here are some simple rules to follow for effective threat protection:

- Use a multi-layered anti-virus approach for protection at the desktop, the servers and the gateway.
- Consider using multiple vendors to minimize the inherent threat window.
- Choose vendors that offer more than anti-spam or anti-virus protection at the gateway - the more functionality and features the quicker they can adapt to tomorrow's threats.
- Just because you have been safe in the past, don't assume immunity – the unknown threats are the most dangerous.
- The cheapest option is not always the best - they are cheap for a reason!
- Pick vendors with the ability to update their products as needed, not those stuck to an un-changeable update process.

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## Why Marshal?

Today, Marshal is the solution of choice for more than 18,000 organizations worldwide, protecting in excess of 7 million users.

- 10 years experience in total content security solutions
- Solutions for companies from 10 to 100,000+ users
- Global 24/7 support team
- TRACE team insights and updates
- More than 40% of the Global Fortune 500 companies rely on Marshal solutions for email and Internet security needs
- More than 60% of the European Fortune Top 50 Companies use Marshal
- 45% of the USA's Fortune Top 170 Companies use Marshal
- 40% of Asia's Fortune Top 50 Companies use Marshal



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