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An Intel Company

Complete Email Security and Access, Without the Management Burdens or Costs

Protect your users, IT infrastructure, and intellectual property while ensuring business continuity and compliance.

With our SaaS email solutions, you can choose the level of security your business needs.

Key Points
- Email is essential to business productivity
- Companies need to secure email against both inbound and outbound threats
- Regulatory and policy compliance require secure archiving and rapid e-discovery
- Business continuity requires fail-safe email access
- Managing email security and availability diverts IT resources from strategic tasks

Email Security-as-a-Service:
- Blocks email-borne threats before they reach your network
- Prevents potentially damaging content from leaving your organization
- Maintains historical and ongoing email access
- Simplifies policy enforcement and documentation of compliance
- Eases management burdens

Email is today's engine of productivity. Thousands of email messages pass daily through a typical company's servers. With all that email traffic, managing email to ensure security, and availability has become a huge task that diverts IT resources from strategic work that advances corporate initiatives. But there's a better way. McAfee Security-as-a-Service (SaaS) solutions give you total control over email security and availability while eliminating the time, complexity, and expense of managing your own onsite solutions.

In a difficult economy, many companies delay technology investments, including upgrades to security infrastructure and additional IT staff. But spam is always a growth business, even in a recession.

The research we do at McAfee Labs shows a continuing increase in email-borne malware, with spam in the second quarter of 2009 setting an all-time record—a record that was immediately broken by an additional 10 percent in the third quarter.[1] According to a Microsoft security report, 97 percent of all emails sent over the Internet are unwanted.[2] And the proliferation of spam means more malware, fraud, email attacks, and other threats that need to be identified and blocked.

Blocking spam and malware is just half the battle

Just as important as preventing unwanted email from entering the corporate network, you need to prevent employees from sending inappropriate content, proprietary information, or malware to customers, vendors, and collaborators outside your organization. You also need full access to historical email for documentation and accountability purposes, as well as ongoing email access to keep your business on track.

[1]David Marcus, Paula Greve, Sam Masiello, and David Scharoun, "McAfee Threats Report: Third Quarter 2009," McAfee Labs.
[2]Darren Waters, "Spam Overwhelms Email Messages," BBC News Website, April 8, 2009.

Keeping the business value of email while eliminating the junk

The bottom line: Effective management of email security, storage, and access is more important than ever—even though IT budgets are shrinking and staffs are overburdened. When you depend on email to do business—and what company doesn't?—you must simultaneously:

• Block inbound threats before they can affect your network, employees, or business operations
• Block outbound emails that contain proprietary, inappropriate, or actionable content, whether in the message body or an attachment
• Ensure continuous access to email functionality
• Maintain and document compliance to company, industry, and government regulations
• Manage the complete email environment for up-to-the-minute security, continuity, and compliance

"Spam did not take a holiday during this quarter, as email and spam volumes reached another all-time high, breaking the second-quarter 2009 record by 10 percent. Last quarter had set the all-time record for email and spam levels, but the record was short lived. Spam as a percent of total email volume also set a new record, reaching 92 percent during the quarter. Compared with last year's third quarter, spam is up 24 percent. And July set a record for the most spam ever sent in a single month. June 2009 was the former record holder, but again the 'honor' was short lived."

—McAfee Threat Report: Third Quarter 2009

Deferred management is not an option

Staying on top of all these challenges is a tall order, and the ongoing management burdens can be particularly time-consuming and costly. Fortunately, there's a much easier way to manage email security, provide reliable storage and retrieval, and ensure continuous access no matter what happens. Even better, there's a way to do it all at a lower cost, and with minimal IT effort.

Integrate greater security and leave the management to McAfee

McAfee Software-as-a-Service security solutions provide complete email security, access, and archiving using a secure in-the-cloud model that requires no hardware, software, backup media, or offsite storage. These solutions can be implemented quickly to provide your company with a cloud-based email environment that offers industry-leading security without the time and expense of managing a traditional email environment in house. It's a strategy made possible by McAfee's core strength in threat prevention, a diverse security SaaS portfolio, and our industry-leading McAfee Global Threat Intelligence powered by McAfee Labs.

Managed entirely by McAfee and provided over the Internet on a subscription basis, our security SaaS email solutions reduce your capital and administrative costs while giving you up-to-the-minute threat protection, outbound message security, reliable email storage, and continuous email access even when your own servers are unavailable. McAfee security SaaS solutions deliver significant savings along with something you can't put a price on: peace of mind.

McAfee security expertise for complete email protection, storage, and access

Using McAfee SaaS email solutions, you can affordably protect your email, users, IT resources, and company, keeping spam, viruses, worms, and phishing scams outside your network. You can automatically and safely archive email for future review and e-discovery, eliminating cumbersome tape backups while ensuring rapid access. You can enjoy the convenience of cloud-based, automatic rolling email storage that provides continuous email access during planned or unplanned server outages. And you can do it all through a service delivered from the cloud that minimizes your own administrative time and costs.

With our SaaS email solutions, you can choose the level of security your business needs. We offer four subscription-based SaaS email services. Let's take a closer look at each.

McAfee SaaS Email Inbound Filtering
Protect your business and users against email-borne threats before they reach your network.

Our inbound filtering service goes beyond traditional spam prevention to provide complete inbound email protection using a combination of industry-leading technologies. This solution is proven to block more than 99 percent of spam-based viruses and fraudulent messages in the cloud, before they can enter your organization's messaging infrastructure.

Our Stacked Classification Framework® spam detection system, powered by a patented technology,

applies multiple layers of analysis to determine the probability that an email is spam. Because each filtering technology has unique strengths designed to identify specific threats, the combination creates one of the most accurate and comprehensive filtering processes in the industry.

The solution also includes our premium anti-spam multi-language filter, which protects against real-time spam attacks and zero-hour spam, regardless of language. Perimeter IP filtering provides additional security against image-based spam, web-based threats, blended threats, and fraudulent phishing emails.

Our proprietary WormTraq® detection technology identifies and intercepts zero-hour mass mailing worms before they enter or leave your corporate network. It also scans for malware in both the message body and all attachments, using our industry-leading, signature-based anti-virus engine powered by McAfee Global Threat Intelligence. This triple scanning provides highly effective identification and blocking of viruses and worms, while ensuring false-positive rates among the lowest in the industry.

Because email threats increasingly target entire companies rather than individual inboxes, McAfee SaaS Email Inbound Filtering also shields your network and critical messaging gateways from brute-force email attacks. It instantly detects and blocks denial-of-service, directory harvest, email bombs, channel flooding, and other SMTP-based attacks before they can reach your messaging gateway, preserving network availability and bandwidth for legitimate business traffic.

McAfee SaaS Email Protection
Protect against inbound threats and prevent potentially damaging outbound emails.

In addition to the inbound filtering features described above, the McAfee SaaS Email Protection service adds filtering and content analysis for messages being sent from your organization.
This service prevents malware from inadvertent delivery to your customers and other contacts via your corporate email. Plus, it analyzes messages and attachments to automatically block content that may be in violation of company policies. Emails containing offensive, private, personal, illegal, and other unwanted content never leave your network. There's no easier or more effective way to protect your company against loss of intellectual property and potential liability.

If you do need to send sensitive information to outside parties, and want a higher level of security to protect that information against interception by competitors or hackers, our Transport Layer Security (TLS) protocol accepts and filters encrypted inbound and outbound messages and delivers them across a secure tunnel. If a recipient is unable to receive a TLS-encrypted message, the email is delivered using standard SMTP to ensure that important communications are never lost.

McAfee SaaS Email Protection and Continuity
Keep your employees connected and productive.

Business doesn't stop when your email network experiences an outage. Beyond the complete inbound and outbound message filtering capabilities described above, McAfee SaaS Email Protection and Continuity also keeps you securely connected to email over the web when your email server is unavailable due to routine maintenance, an unexpected outage, or even a natural disaster.
Enjoy the convenience of cloud-based, automatic rolling email storage, with no cumbersome backup procedures and no need to maintain your own storage facility. If your own email servers become unavailable, you can still access our secure, easy-to-use web interface to send and receive messages, search for and retrieve stored messages, and manage quarantines and message stores just as you would in your normal, live environment.

Because the service is fully integrated and managed by McAfee, your inbound and outbound email protection continues without interruption. And the service retains all messages sent or received during the outage, intelligently synchronizing an accurate record of all outage-period message activity when your own email servers come back on line.

"Organizations of all sizes—even very large ones—are turning to managed services to deal with the threat of spam, malware and Web-borne threats. These services can significantly reduce the costs associated with defending a network from the growing variety of nasty stuff aimed at email and Web users, but can also provide better and faster protection from these threats. Plus, the use of a managed service can free IT staff for other tasks that will provide more value to an organization"

—Osterman Research: Reducing Messaging and Web Security Costs with Managed Services

McAfee SaaS Email Archiving
Store critical email data, with no hardware required.

Today's email volumes are soaring. At the same time, government and industry regulations increasingly require you to produce documentation for all kinds of decisions and processes. Facing these pressures, companies need fast, simple, and affordable email archiving and retrieval.

The McAfee SaaS Email Archiving service is your answer to reducing email storage and management costs, satisfying e-discovery and compliance requirements, and protecting your business and employees. This economical, automated service drastically reduces management burden while ensuring safe, simple, cost-effective retention of inbound, outbound, internal, and even historical email. It secures your company's knowledge as it's created, while shrinking Microsoft Exchange databases to a manageable size. And anytime you need to find a particular message—or even thousands of messages—its powerful search features let authorized users find and retrieve information simply, in seconds, with no need for IT assistance.

Because it's a cloud-based service, there's no hardware or software to purchase, and no need to manage backup media and offsite storage. You can choose a retention period of one year or multiple years. McAfee SaaS Email Archiving is offered as a standalone service or bundled as part of the McAfee Security and Archiving Suite, which includes inbound email filtering and email continuity.

Count on McAfee for the Services You Need, at a Budget You Can Afford
As the world's largest dedicated security vendor, McAfee relentlessly tackles the toughest security challenges. You can count on our SaaS email solutions to deliver enterprise-grade performance without the complexity of a traditional solution. Our easy-to-use, award-winning services reduce risk and liability, lower overall IT costs, and increase productivity. And they're available as individual services or as economical bundles, with features and terms to meet your needs and budget.

Find out how you can leave the management of your online security solutions to us and enjoy a safer, more secure network and business environment. Visit us online at www.mcafeesaas.com and give one of our Security-as-a-Service solutions a trial today.

Cloud-based security had 11% lower total costs per end-user per year for email security compared to on-premises email security users

From Aberdeen Group, "Email Security in the Cloud" April 2010

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