Mimecast Email Security

Making Email Safer for Business.

When it comes to protecting against global cyber threats, perhaps no area is more critical than email. This key communications tool keeps your operation running; yet, it's also the number one vector for attacks. The dynamic nature of email-borne threats combined with the sheer volume of emails that must be inspected mandate a solution that's as agile, intelligent, and scalable as the methods deployed by those who seek to do you harm.

Mimecast helps companies protect their employees, intellectual property, customer data, and brand reputations by providing comprehensive, cloud-based security and compliance solutions that mitigate risk and reduce the cost and complexity of creating a cyber-resilient organization. Our **Email Security Solution** is backed by over a decade of continuous enhancement and practical application, garnering Mimecast the trust of tens of thousands of customers and millions of users globally. Fully integrated and proven, the Mimecast email security solution provides:

- **Sophistication –** With a multi-layered analytic engine that inspects billions of emails, attachments, and URLs per day, seamlessly protecting organizations without sacrificing productivity. In addition, Mimecast's global grid gives our team of security experts **24x7x365** visibility across millions of users daily, allowing Mimecast to quickly detect new threats and rapidly adapt so our entire network of customers benefits instantly.

- **Simplicity –** With an integrated approach that delivers a comprehensive, holistic, all-in-one security solution. A single web console also delivers a unified administrative experience, providing better visibility of threats and simplified management.

- **Scalability –** With a multi-tenant cloud structure that removes the burden of managing the infrastructure required to maintain a world-class security solution. Elastic data storage allows you to scale usage up or down seamlessly as needs change, while 100% service levels for system up-time ensure operations are continuously protected.
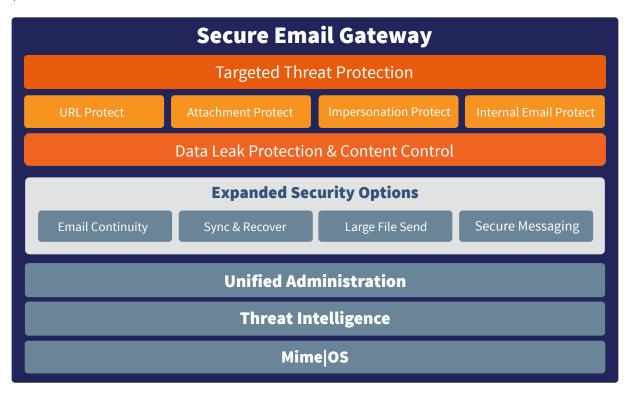
> *Mimecast does a great job. The best part is that it's set and forget: it does what it's supposed to do and does it well.*
>
> **Brett Johnstone**
> *CIO, Maurice Blackburn Lawyers*

World-Class Security, Simply Delivered

The Mimecast Email Security service is delivered as a single cloud solution with all functions fully integrated and engineered to work together. The core email security solution includes a secure email gateway with data leak protection & content control and targeted threat protection, which includes URL, attachment, impersonation, and internal email protection. Additional capabilities, such as email continuity, sync & recover, large file send, and secure messaging, can be incorporated to provide expanded protection.

Secure Email Gateway

Targeted Threat Protection

| URL Protect | Attachment Protect | Impersonation Protect | Internal Email Protect |

Data Leak Protection & Content Control

Expanded Security Options

| Email Continuity | Sync & Recover | Large File Send | Secure Messaging |

Unified Administration

Threat Intelligence

Mime|OS

Email Security with Targeted Threat Protection

In an era where attacks are becoming increasingly sophisticated, a defensive strategy that addresses viruses and spam alone is no longer enough. From spear-phishing attacks to email-borne ransomware, the threat landscape isn't what it was yesterday – nor will it be the same tomorrow. Mimecast's Secure Email Gateway with Targeted Threat Protection is designed to help you mount the best possible defense for whatever comes your way, providing:

A Secure Email Gateway in the Cloud, which applies a dynamic, multi-layered approach to the analysis of inbound, outbound, and internal emails. From higher level inspections such as DNS authentication, including SPF/DKIM/DMARC, and spam/virus protection to highly sophisticated checks like static file analysis and sandboxing, this comprehensive service goes well beyond just cloud-based anti-virus and anti-spam protections. The solution's Targeted Threat Protection services are specifically built to guard against focused and sophisticated attacks by offering:

- **URL Protect –** Mimecast's URL Protect service provides multistep detection and blocking of malicious URLs, including pre-click URL discovery, inline employee education, and blocking of dangerous files types. Key capabilities include protection on and off the enterprise network from any device, rewriting of all URLs in inbound email, and real-time scanning on every click.

- **Attachment Protect –** Mimecast's Attachment Protect service provides multiple layers of defense against potentially malicious email attachments, balancing speed of delivery with detection efficacy. Key capabilities include safe file conversion, which converts Office and PDF files to a safe format for immediate delivery to employees; static file analysis, which evaluates files for packing, abnormal code, and many other factors without needing to execute the attachment; and sandboxing as a final stage of analysis when required, using full system emulation and virtualization.

- **Impersonation Protect –** Mimecast provides comprehensive protection against business email compromise and impersonation attacks that seek to trick users by imitating trusted senders. Key capabilities include real-time examination of the inbound email's display name, reply-to information, and body content, as well as detection of character switching, advanced similarity checks, and the use of long URL strings that obscure the actual destination domain. Administrators control how emails are handled and can reject, quarantine, or deliver them with warnings as appropriate.

- **Internal Email Protect –** Mimecast's Internal Email Protect extends best-practice security protocols to internal and outbound email, inspecting all traffic for malicious links and files, or for sensitive content to prevent the spread of attacks or data leaks. Key capabilities include scanning of URLs and attachments, continuous rechecking of emails, and automated or manual remediation of malicious or undesirable emails post-delivery.

In addition to its targeted threat protection capabilities, Mimecast Email Security also guards against the loss of intellectual property, customer data, and other sensitive information through advanced Data Leak Protection & Content Control. Email content and secure communications policies can be created and applied to inbound, outbound, and internal traffic in real-time, including the ability to create custom content checks. Emails can be held, rejected, delivered, or pushed into the Mimecast Secure Messaging System based on these findings.

Expanded Email Security Solutions

Mimecast's email security protection services can be expanded and enhanced with a number of solutions designed to increase resilience, protect company data, ensure continuity and support rapid recovery in the face of an attack, and more. All these solutions are fully integrated with Mimecast's core email security service to seamlessly deliver comprehensive protection.

Mailbox Continuity – Even the most sophisticated and secure email systems will likely experience an outage at some point. With Mimecast Mailbox Continuity, downtime is a thing of the past. In the event of a sudden email outage or planned downtime, Mimecast can provide uninterrupted access to live and historic email and attachments using everyday tools like Outlook for Windows, the web, and mobile applications. Employees get guaranteed access to email—from anywhere, on any device; and administrators can monitor email flow, receive alerts, and manage a continuity event all from Mimecast.

Sync & Recover – When failures do occur, it's critical to ensure information isn't lost and to recover quickly. Mimecast's Sync & Recover services for Exchange and Office 365 give organizations a simple, streamlined way to quickly recover deleted or corrupted email, calendar, and contact data by leveraging archive data. This service unifies management of compliance archiving and data resiliency, streamlines configuration of recovery and search, and provides a multilayered defense against data loss and damage.

The Email Security Imperative

90%
of cyber breaches are caused by Human Error*

59%
of organizations will suffer negative business consequences from email-borne attacks this year**

40%
of organizations have seen an increase in fraud emails that request a wire transfer in the last year**

61%
of organizations have had malicious activity spread via email from user to user**

*Willis Tower Watson - 2017
**Mimecast 2018 State of Email Security Report

The Scope, Expertise, and Scale of Mimecast

In a typical month, Mimecast will:

- Process over **5 Billion** Emails
- Block **1 Million** attempted impersonation attacks
- Block malware in **Millions of emails**
- Remove over **300 Million Time-Wasting Spam Emails** before they get to users' inboxes

Large File Send – Sending large files is a common business requirement that can be difficult to manage. Mimecast's large file send service allows users to send and receive files of up to 2GB, removing large traffic from the email system without requiring a separate file-sharing service that leaves potentially sensitive information on unsecured systems. All administrators need to do is set policies for attachment size – Mimecast does the rest.

Secure Messaging – Some information is simply too sensitive to be shared via email using the public internet; but if employees aren't provided with a user-friendly solution to this problem, they are likely to do so any way. Mimecast's secure messaging service provides secure email communications right from the employees' email client, allowing users to easily and safely share sensitive information. Administrators can also set overarching security policies that are applied automatically. The result is more complete protection than just using server-to-server encryption, such as TLS, through a solution that provides security all the way to the receiver.

The Power of Community-Centric Defense

Nowhere is the power of community defense more compelling than in cyber security. Mimecast's multi-tenant cloud architecture allows every customer to tap into something bigger than themselves, leveraging the collective intelligence curated by Mimecast's security experts to realize benefits that accrue across the entire Mimecast community and achieve a level of protection that would be difficult or impossible to recreate independently. Protecting one means protecting all, which makes the entire network stronger.
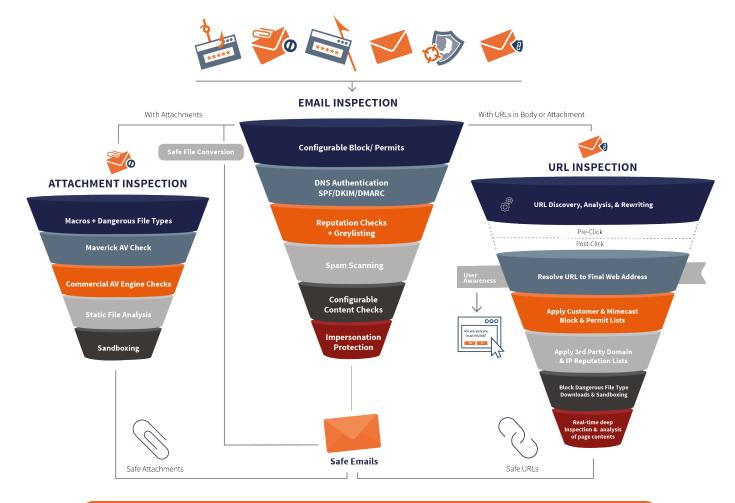
> *Our staff has seen a huge decrease not just in phishing emails, but also spam. They can now easily find things in their email and are much more productive than they were before. Mimecast has had a huge impact on our daily work."*

Matthew James Peet
CIO, Fichte & Co.

The Mimecast Email Security Inspection Funnel

The Mimecast email security service breaks email analytics down into specialized pipelines, with core, URL, and attachment inspections occurring in specialized analysis streams. The highest-level inspections are applied first with deeper, more sophisticated inspections taking place further down, speeding the inspection process without sacrificing efficacy.

EMAIL INSPECTION

With Attachments

With URLs in Body or Attachment

Safe File Conversion

ATTACHMENT INSPECTION

- Macros + Dangerous File Types
- Maverick AV Check
- Commercial AV Engine Checks
- Static File Analysis
- Sandboxing

EMAIL INSPECTION

- Configurable Block/ Permits
- DNS Authentication SPF/DKIM/DMARC
- Reputation Checks + Greylisting
- Spam Scanning
- Configurable Content Checks
- Impersonation Protection

URL INSPECTION

- URL Discovery, Analysis, & Rewriting
- Pre-Click
- Post-Click
- Resolve URL to Final Web Address
- Apply Customer & Mimecast Block & Permit Lists
- Apply 3rd Party Domain & IP Reputation Lists
- Block Dangerous File Type Downloads & Sandboxing
- Real-time deep Inspection & analysis of page contents

User Awareness

Are you sure you trust this link?

Safe Attachments

Safe Emails

Safe URLs

Key capabilities of the Mimecast Email Security System

- Defends against the risk of spear-phishing and advanced threats in email.
- Blocks spam & viruses.
- Protects employees against impersonation attacks that spoof a trusted sender.
- Neutralizes threats from malware attachments and malicious URLs.
- Removes the graymail burden for end users.
- Enables automated email encryption and secure message delivery.
- Enhances the user experience through services embedded in Outlook and delivered via a mobile application and a customer-specific web portal.
- Improves users' security awareness.
- Eliminates the need to manage on-premises email security software and hardware.
- Detects and blocks attacks from both external and internal threat actors.
- Leverages the cloud to continuously apply the most current email security protections.

Why choose the Mimecast Email Security Platform?

1. **Comprehensive security**
Mimecast's email security system delivers the depth, sophistication, and adaptability required to defend against an ever-changing and increasingly complex threat landscape.

2. **Integrated solution**
Mimecast's email security system is delivered as a single, integrated, multi-tenant cloud solution, providing a holistic approach that would normally be achieved through a combination of systems. Cost, complexity, and risk are all reduced as a result.

3. **Proven results**
Tens of thousands of organizations and millions of users globally trust Mimecast to provide the most sophisticated security available in the market today.

4. **Flexibility and scalability**
Mimecast's multi-tenant cloud structure allows customers to scale usage up or down seamlessly as needs change and removes the burden of managing the infrastructure required to maintain a world-class security solution.

5. **Ease of administration**
A single administrative console means that management, administration, and support are dramatically simplified, giving you full visibility across the enterprise and putting information at your fingertips.

6. **Support for cloud, on-premises, and hybrid email management systems**
Mimecast provides support for on-premises, cloud, and hybrid email environments. And as more and more organizations move to Office 365 or Google G-Suite, Mimecast is providing critical security capabilities that are essential to mitigating risk and keeping these platforms safe.

7. **Rapid deployment**
The Mimecast Email Security solution is as easy to deploy as it is to maintain. Full deployment can typically be achieved in a couple of weeks or less, providing a rapid time to value and long-term ROI.

8. **Community defense**
Mimecast's multi-tenant cloud infrastructure gives us visibility across tens of thousands of customers, millions of users, and billions of emails daily, allowing our security experts to quickly detect new attacks and adjust security controls accordingly.

9. **Threat intelligence**
The Mimecast Security Operations Center is staffed by a team of globally distributed analysts and security experts who monitor the Mimecast service 24x7x365, continually analyzing threats, conducting research, and enhancing Mimecast's detective analytics based on their findings. This round-the-clock, round-the-globe threat intelligence helps Mimecast deliver the highest possible levels of security efficacy.

10. **Continuous innovation**
Mimecast's cloud infrastructure, combined with the maturity of our email security system, allows us to bring new solutions to market faster, upgrade existing solutions more quickly, and immediately rollout changes globally across the entire customer base.

The Mimecast Difference

Mime|OS

Mime|OS is the multi-tenant, native cloud operating system that underpins all Mimecast products, delivering an integrated solution and serving as a global immune system for thousands of customers worldwide. This unique platform delivers high performance while also driving continuous innovation so customers always have the most sophisticated, current protections in place. It provides:

- Continuous threat assessments derived from 40+ third-party feeds and detection engines

- Multi-layered inspection processes

- Real-time blocking of malicious content

- A global deployment footprint

- 100% availability service levels

- Simplified integration via a robust API

- Enterprise-wide visibility

World-class security with all the cost, confidence, and convenience benefits of the cloud – that's what Mime|OS delivers.

The Mimecast Security Operations Center

The Mimecast Security Operations Center (MSOC) is staffed by security experts whose sole focus is to help you stay ahead of attackers by continuously monitoring, optimizing, and enhancing Mimecast's solutions. The MSOC is:

- Always on – Monitoring Mimecast solutions 24x7, 365 days a year

- Always monitoring – Collaborating with thirdparties, partnering with customers, and keeping a constant eye on the threat landscape

- Always improving – Conducting research into the behavior and strategy behind attacks; driving continuous adaptation.

The MSOC gives you access to the best and brightest minds in cyber-resilience, all dedicated to helping keep your business safe.

Mimecast (NASDAQ: MIME) makes business email and data safer for thousands of customers with millions of employees worldwide. Founded in 2003, the company's next-generation cloud-based security, archiving and continuity services protect email and deliver comprehensive email risk management.