

# Ransomware is on the Rise

## The Problem:

**Ransomware attacks and the risks they pose have accelerated dramatically in recent times.**

Who's at risk? Everyone – from large enterprises that hold the keys to large volumes of money and data to smaller organizations that are often considered softer targets.

## The Solution:

There is no single solution for ransomware – the problem is complex, and attack types are continually evolving. So Mimecast helps organizations fight back with the power of together. Our cloud-native security platform provides industry-leading capabilities that help mitigate risk before, during, and after an attack, while also allowing you to quickly and easily integrate Mimecast with other systems to speed detection and response.

## Before

Preventing ransomware attacks requires a layered approach to security. The ability to extract and share security insights and threat data across systems is also essential.

## Email Security

Email is a favored attack vector for ransomware and remains the top attack vector for all types of cyberattacks. It is, therefore, critical that organizations deploy the best possible protection for this essential communications channel. Mimecast Email Security with Targeted Threat Protection defends against credential harvesting, weaponized attachments, and other malicious content that can open the door to a ransomware attack.

## Security Insights

By providing enhanced logging with visibility to administrative changes, account access, and message lifecycles, Mimecast delivers complete visibility of your email security landscape. Our extensible architecture also allows you to seamlessly integrate to SIEMs to get a comprehensive view of your full security estate.

## Mitigating Ransomware Risk with Mimecast:

- Educate and empower employees
- Block email-based ransomware attacks
- Derail drive-by downloads
- Contain and remediate successful email-based attacks
- Ensure zero email downtime
- Restore email data to speed recovery
- Strengthen overall protection, speed detection, and accelerate response

## Threat Sharing

When working with multiple security platforms, sharing information across them is essential to optimizing defenses and resources. Mimecast makes it fast and easy to incorporate threat intelligence from the top attack vector – email – into your other security systems and to feed intelligence from those systems back into Mimecast in turn. The result? You can preventatively strengthen your email security posture.

## User Awareness Training

Ninety percent of all data breaches are caused by human error. One of the best defenses against ransomware is educating employees, partners, and third parties on cyber hygiene best practices. Mimecast Awareness Training teaches users to “think before they click”, helping them identify potential attacks and take appropriate actions when faced with something suspicious. Real-life phish testing capabilities and granular analytics also help administrators identify the most at-risk users so they can be provided with additional support.

## During

While prevention is every organization's goal, trends like Ransomware as a Service and growing attack volumes are making ransomware an "if, not when" situation. The ability to remediate and recover as quickly as possible is essential.

### Internal Email Protection (IEP)

Even with the most effective security controls in place, malicious emails can penetrate the email gateway or spread internally via a compromised insider. Mimecast's internal email protection capabilities allow administrators to search for and remove malicious emails post-delivery, speeding remediation and preventing further spread internally and externally.

### Business Continuity

In the event of a successful attack, the ability to keep communicating – both internally and externally – is essential. Mimecast's email continuity services allow your organization to continue sending and receiving mail, even if the primary mail server is offline or unavailable.

### Security Investigation

When looking into a potential incident, robust searching capabilities are essential. Mimecast provides powerful message tracking to identify issues in real-time.

### Orchestration and Remediation

Mimecast's robust API makes connecting your email security services to SOAR platforms fast and easy, allowing you to automatically block addresses, IPs, and URLs so attacks can be contained and remediation accelerated.

## After

In the aftermath of a ransomware attack, all organizations want to be able to recover as quickly as possible. Mimecast's Sync & Recover capabilities provide point-in-time restoration of email, calendar, and contact data to help employees get back to business as usual.

Mimecast stands with its customers, partners, and the larger cybersecurity community in the fight against devastating ransomware attacks. Visit our [Ransomware Resource Center](#) for the latest research and guidance, or contact us to talk to an expert.

### Fighting back together

- Integrated, cloud-based security solutions
- 100+ API integrations to support a connected security ecosystem
- Complimentary resources, guidance, and expert advice
- Actionable, customized threat intelligence



Together  
in the fight  
against  
ransomware

mimecast®

JOIN THE PROTECTED