

Email Gateway Validation

Email is the Preferred Method for Threat Actors to Initiate a Cyber Attack

Email is the most frequently used delivery method of attack for exploiting security weaknesses, making your secure email gateway a critical front-line component of your organization's cyber defense.

With more than 94% of organizations having suffered an email security incident and 79% of attacks originating from a malicious phishing email, cybersecurity leaders have reasons to stress about email security ([egress 2024 Email Security Report](#)).

Secure Email Gateways Require Continuous Validation Against the Latest Email-Based Threats

As a cybersecurity leader, you need to test and optimize the efficacy of your secure email gateway controls and policies to detect and prevent the delivery of malicious email content and protect your end users from inadvertently succumbing to an email-based attack.

Cymulate enables your security team to conduct comprehensive assessments of your email gateway, to test and validate against thousands of known malicious emails in a production-safe mode.

The best practice assessment simulates different types of email-based threats with the latest ransomware, malware, worms, trojans, and exploits delivered through email attachments and malicious links. The simulated attack types include:

- **Malicious Links**
- **Malicious Attachments**
- **Executable Payloads**
- **Dummy Code Execution**
- **True File Type Detection**
- **Email Attachment Policies**

The results of these assessments highlight the gaps and weaknesses in your email security controls that could be used to exploit your users and lead to a cyber breach.

"During initial testing of our Email Gateway, we found that some extensions were not being blocked and that sandboxing was not enabled. Once we blocked them and enabled the sandbox, our Cymulate score went from 54 (medium risk) to 6 (minimal risk) within 2 weeks. Quick win!"

- Security Leader, Major Media Company

Solution Benefits



AUTOMATED VALIDATION

Automate continuous testing of secure email gateway controls and policies against the latest email-borne threats.



IDENTIFY GAPS

Find the gaps and weaknesses in your email gateway controls and policies that could expose your users to malicious content.



OPTIMIZE CONTROLS

Configure and tune your email gateway controls with mitigation guidance to detect and block emails containing malicious links and payloads.



REDUCE EXPOSURE

Continuously measure and improve your email gateway security controls to reduce the risk of phishing attacks and other email-based threats.

Automated Security Validation for your Secure Email Gateway

Cymulate breach and attack simulation delivers production-safe security testing of your email gateway using a wide range of malicious links and payload variants to simulate the latest email-based attacks.

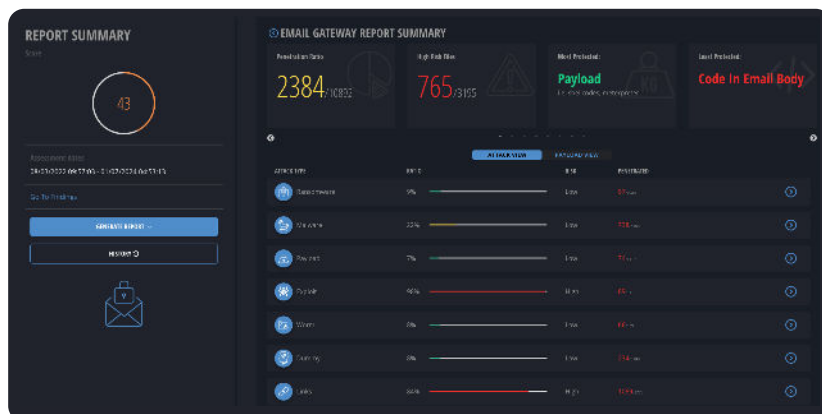
The solution lets you to identify the gaps and weaknesses in your email security controls that could enable a malicious email to reach your users and potentially initiate a cyber attack on your environment.

The assessment enables you to optimize the investment you have made in your secure email gateway by configuring and tuning your email defenses with precise mitigation guidance from Cymulate.

Detailed Report and Findings

Gain deep insight into the effectiveness of your email gateway controls and policies with detailed reports and findings that include:

- **Risk Score** to measure the overall performance of your secure email gateway.
- **Penetration Ratio** highlighting the number of malicious emails not blocked by the email gateway.
- **Ratio by Attack Type** to focus efforts on least protected areas of the email gateway controls.
- **High Risk Files** to prioritize risk and focus mitigation efforts.
- **Mitigation Guidance** to help optimize controls and enhance policies.



Email Gateway Report Summary

Why choose Cymulate?



DEPTH OF ATTACK SIMULATIONS

The assessment contains a comprehensive suite of over 10,000 test cases to fully validate your email gateway against the latest malicious links and files.



PRODUCTION SAFE

The full suite of test cases is completely production-safe with no malicious payload or code execution that could impact your production environment.



AUTOMATED VALIDATION

The assessment is fully automated enabling continuous validation and performance optimization of your email gateway control effectiveness every week.

About Cymulate

Cymulate is the leader in exposure management and security validation. More than 500 customers worldwide rely on the Cymulate platform for continuous discovery, validation, prioritization, and guided remediation of security gaps before attackers can exploit them. For more information, visit www.cymulate.com.

Contact us for a private demo

[Start Your Demo](#)

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