

Email Gateway

Solution Brief



Email Security Testing

Cymulate Email Gateway Vector enables you to test and optimize your email security posture. This vector challenges your security controls against a comprehensive set of attacks and together with the results, provides actionable remediation guidelines.

It All Begins With an Email

Email is the most frequently used delivery method of attack for exploiting security weaknesses and compromising corporate environments.

Research shows that over 75% of cyberattacks worldwide originate from a malicious email, and the number of those targeted attacks keeps increasing. As we have seen in the past, both very high-profile cyber campaigns as well as less known ones, are launched with an email containing a malicious attachment or link designed to infect victims with ransomware or opening a direct connection to the Command & Control (C&C) servers of hackers.

Are you protected?

Cymulate tests email security controls by sending emails with attachments containing ransomware, worms, Trojans, or links to malicious websites. The simulation reveals if malicious emails could bypass your organizations' first line of defense and reach your employees' inbox.

Comprehensive Testing

The Cymulate Email Gateway Vector tests the efficacy of your email security controls by launching threats concealed in thousands of emails to uncover security gaps. The Cymulate platform packages threats in many different file types or links to mimic the behavior of adversaries, and sends them via email to a dedicated test email address. Customers can also test with custom payloads by uploading them to the platform. Based on the results, it identifies security gaps in your email gateway, sandbox, content disarm & reconstruction (CDR) and network A/V systems, and provides guidance to remediate them. Continuous testing enables you to verify remediation efforts and maintain email security at optimal efficacy.



Exploit



Custom Payload



Ransomware



Trojan



Malicious Links



Worm

Customers can create their own templates based on combinations of malware and delivery options to build their own attack scenario to test their email security against specific requirements and to validate that “blue-team” SIEM and analytics solutions are identifying attacks accurately and taking appropriate responsive action.

Test Execution – Assessments can be executed on demand or scheduled. The testing is performed on a dedicated email account and accessed by the Cymulate agent. The agent collects the results and deletes malicious payloads from the mailbox.

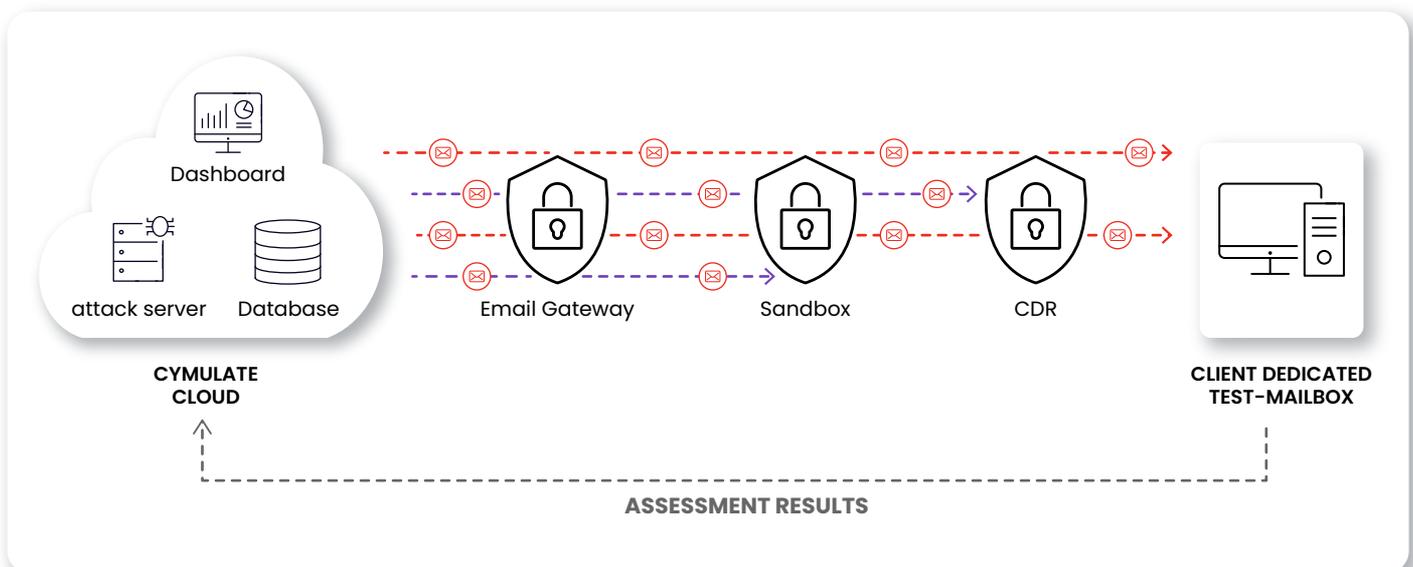
Test Results and Remediation – After each test a technical and an executive security assessment reports is generated. The reports provide test results and guidance to remediate the gaps found by the test. Integration with SIEM and EDR vendor solutions provide the events and alerts generated by these systems in the Cymulate platform. The events and alerts are synchronized to the actions performed during the test, to help security teams validate accurate detection.

Key Features

- Execute from a broad library of threats and file types, without risk of business disruption
- Test using one dedicated email account, which does not affect other users.
- Run Cymulate best practice, out-of-the-box email security assessments and your own custom payloads.
- Identify security gaps and optimize your security controls with actionable remediation guidance.
- Test continuously from anywhere, anytime.

Actionable Insights

The simulation results are presented in an easy-to-understand comprehensive report. Mitigation recommendations are offered for each security gap discovered, enabling IT and security teams to take the appropriate countermeasures.



About Cymulate

With a Research Lab that keeps abreast of the very latest threats, Cymulate proactively challenges security posture end to end, automatically and continuously, allowing hyper-connected organizations in all maturity levels to avert damage and stay safe. Founded by an elite team of cyber researchers with world-class experience in offensive cyber solutions, Cymulate is trusted by hundreds of companies worldwide, from small businesses to large enterprises, including leading banks and financial services. They share our vision to be the gold standard for security professionals and leaders to manage, know and control their Cybersecurity Posture. Today it’s simple for anyone to protect their company with the highest levels of security. Because the simpler cybersecurity is, the more secure your company—and every company—will be.

Contact us for a live demo, or get started with a free trial

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