



BREACH & ATTACK SIMULATION



THE NEW APPROACH TO CYBER SECURITY VALIDATION

Cymulate's cyber simulation platform allows you to test your security assumptions, identify possible security gaps and receive actionable insights to improve your security posture.

It works by simulating a multi-vector, internal or external attack - which includes the very latest vulnerabilities derived from Cymulate's research department. The result is a comprehensive validation of your organization's current security posture status - delivered on-demand and with a zero false positive.

TEST YOUR SECURITY POSTURE 24/7/365

Organizations now have the power to verify their security posture, on-demand through a unique breach and cyber attack simulation platform. Cymulate's advanced technology allows organizations to launch simulations of cyber attacks against themselves, immediately providing vulnerabilities and mitigation procedures to close each gap. Cymulate's centralized platform allows security testing through multiple attack vectors such as Email, Browsing, Internal Network (Lateral Movement), Human, Data Exfiltration and WAF and SOC Simulation. Fully-automated and diversified attacks allow for complete security testing anytime, providing organizations with a better understanding of their security posture and allowing them to improve it, continuously. By eliminating false positive, Cymulate delivers only accurate and actionable results.

STAY ONE STEP AHEAD OF HACKERS

Cyber-attacks today are more sophisticated and dynamic than ever before, as hackers work around the clock to breach networks, steal intellectual property, and disrupt operations. Organizations worldwide invested more than \$80 billion last year to protect their data, block malware, and safeguard critical business processes and the expenses rise annually. Yet despite all the time, money, and effort invested in cybersecurity solutions, many CISOs still can't answer 1 essential question: How safe are they right now? Cymulate provides the answer to this question with a unique simulation platform that empowers organizations to validate their cyber defenses more frequently, comprehensively, and responsively than ever before.

WHY CYMULATE?

Cymulate was founded by an elite team of former IDF intelligence officers frustrated by the time and resource inefficiencies they experienced while conducting offensive cyber security operations in the field. Combining expertise in cyber simulation technology with extensive field experience to mimic the latest and most sophisticated cyber-attacks, Cymulate uses high-end software-as-a-service applications to simulate the myriad tactics and strategies employed by hackers to attack network security infrastructures.

WHY NOW?

Organizations may relax into a false sense of safety after installing security solutions and beefing up its infrastructure. Cymulate measures a company's true preparedness to handle cybersecurity threats effectively. Using offensive and defensive actions, Cymulate exposes critical vulnerabilities by simulating multi-vector cyberattacks from an attacker's perspective, before an actual attacker has a chance to exploit any weaknesses. Cymulate testing is simple to perform on demand, anytime and anywhere, and to stay updated, a monthly testing is recommended. While most cyber security solutions are notoriously hard to implement, Cymulate's plug-and-play platform is much simpler to deploy, even for non-technical users.



Mail Attack

CYMULATE SOLUTIONS



E-MAIL ASSESSMENT

Test Your Entire E-Mail Security infrastructure using our Vast and Diverse Email Attacks

Cymulate's Mail solution enables organization to challenge this main attack vector. The number of targeted attacks has dramatically increased in recent years. Poor configuration or implementation of security products might lead to a false assumption that you are safe. This assessment allows you to test those assumptions, prove yourself wrong and improve your email posture with every use.



BROWSING ASSESSMENT

Test Your HTTP/HTTPS Outbound Exposure to Malicious Websites.

Cymulate's Browsing solution enables you to test your Outbound capabilities to malicious websites using common HTTP/HTTPS protocols. The browsing security tests are performed against a large, continuously growing database of malicious websites on the web. The clear majority of web malware encounters occur via the legitimate browsing of mainstream websites including a large portion of malware which is delivered through browser add-ons.



HOPPER - LATERAL MOVEMENT

Test Your Windows Domain Network Configuration Using a Sophisticated Algorithm

Lateral movement inside a Windows Domain Network is a common penetration scenario. As threat actors move deeper into the network, their movements and methods become difficult to detect especially when they utilize Windows features and tools typically used by IT administrators. Cymulate Hopper's sophisticated and efficient algorithm gathers all the common and dedicated techniques used to move inside the network to reveal the breach spots of your Windows Domain Network.



PHISHING & AWARENESS

Test your employee awareness to phishing campaigns

Designed to reduce the risk of spear-phishing, ransomware or CEO fraud, Cymulate Phishing can minimize malware-related downtime and save money on incident response. Focused on raising organization's employees' security awareness by creating and executing simulated phishing campaigns, finding weak links in your organization, and help you build tailored training programs that improve and reinforce your employee's behavior.



WEB APPLICATION FIREWALL ASSESSMENT

Test Your WAF Security Posture to Web Payloads and Better Protect Your Web Apps

Web Applications have become a central business component in many organizations, and huge amounts of money and effort are spent protecting these assets. Whereas in the past, IT security teams just had a few enterprise web apps to defend, now they need to protect the web backend of many mobile apps, SaaS apps and other cloud-delivered solutions.

The WAF assessment is here to test your configuration, implementation, and features, ensuring it blocks common Web Application payloads before they get anywhere near your Web Application.



DATA EXFILTRATION ASSESSMENT

Test Your Outbound Critical Data Safely Before Real Data is Exposed

There are an increasing number of laws being passed which put the onus on companies to better safeguard their data. Data breach also has huge financial impact on a company's reputation. Organizations rely on Data Loss Prevention products to ensure no one can extract critical information outside the organization walls. This assessment allows you to test your outbound flow to validate that your main assets stay indoors.



SIEM/SOC SIMULATION ASSESSMENT

Test Your SIEM/SOC Alert Configuration and Team Awareness.

SOC teams usually act on demand, and sometimes get a little rusty. To adapt cyber defense to the current threat landscape, a proactive security approach is needed. Rather than reacting to the last attack, organizations need to continuously monitor their networks, hunt attackers and create strategic intelligence. This Simulation allows organizations to test the SIEM events correlation and to validate the alerts the SIEM produces. Furthermore, enable the CISO to test the SOC Team Incident Response procedures.

KEY BENEFITS



Mitigate attacks before they happen



Get a comprehensive assessment



Remote test your entire infrastructure



Plug & Play solution



SaaS solution.
No hardware required



Immediate results:
24/7, 365 days a year

CYMULATE RESEARCH UNIT

Comprising top Reverse Engineers, Penetration Testers & Programmers, Cymulate's distinguished Cyber Support Unit is what sets us apart. Our primary role is to uncover flaws across a variety of vectors, and continuously search for new vulnerabilities and exploits.

With diverse backgrounds encompassing private security, military and intelligence experience, and combined with the understanding of how your business works, our highly experienced security experts can deliver the visibility into threats and the actors behind them that you need to protect your organization.

We monitor the cyber threat landscape to provide a globalized view of emerging threats, zero-day vulnerabilities, and the tactics, techniques, and procedures (TTP) of advanced threat actors. Our researchers proactively identify new and one-of-a-kind breach methods through emulation of hacker's tactics and strategies.

Executive Summary Report



ABOUT CYMULATE

Cymulate helps companies stay one step ahead of cyber attackers with a unique breach and cyber attack simulation platform that empowers organizations with complex security solutions to safeguard their business-critical assets. By mimicking the myriad strategies hackers deploy, the system allows businesses to assess their true preparedness to handle cyber security threats effectively. An on-demand SaaS-based platform lets users run simulations 24/7 from anywhere, shorten the usual testing cycle, and speed up time to remediation. Cymulate was established in 2016 by former Israeli Defense Forces intelligence officers and leading cyber researchers with robust experience in offensive cyber solutions. It serves a broad range of industries, including finance, health care, telecommunication, airline, naval, and transportation.

For more information, visit www.cymulate.com

