

Core Security Validation Package



Cymulate Core provides testing, measurement, and optimization of critical security controls for assessing and reducing risk exposure against cyber threats. Through automation and an easy-to-use interface, the solution scales to accommodate users with simple attack assessment needs to those with mature validation programs.

What is Included?

The Core Security Validation Package includes production-safe attack scenarios to assess the efficacy of your Web, Email and Endpoint current security solutions and validate detection and response. Security gaps are listed in an automatically generated report with actionable remediation guidance. The assessments can be automated, customized, and scheduled. The platform is updated daily to keep up with emerging threats and the simulations are mapped to the MITRE ATT&CK Framework. In addition, SOC teams can run incident response exercises to finetune threat detection and incident response playbooks.

Core Validation Modules



Email Gateway Module: 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 an organization's first line of defense and reach employees' inboxes.



Web Gateway Module: Simulates an employee accessing malicious websites. The tests are performed over HTTP and HTTPS by the Cymulate agent to validate the effectiveness of the organization's web security from a controlled endpoint on the production network.



Endpoint Security Module: Tests the endpoint against behavioral and signature-based attacks, lateral movement, and MITRE ATT&CK methods and commands to find gaps in configuration and optimize defenses.



Immediate Threats Intelligence Module: Provides testing of security controls against new and emerging threats that have been recently seen in the wild. Cymulate's Research Lab monitors the web for new threats and adds the most recent and relevant ones, usually within 24 hours after discovery.

Customer Benefits

01

Minimize Risk Exposure

Automatically run out-of-the-box scenarios to identify detection, configuration, and mitigation gaps in a security stack.

02

Optimize Cybersecurity Investments

Continuously challenge cybersecurity policies to validate their implementation and identify opportunities for improvement.

03

Measure and Communicate Value

Quantity and monitor security drift and progress as corrective measures are taken.

The Cymulate Difference

Number one for innovation in the Frost & Sullivan's Frost Radar Breach Attack and Simulation (BAS) market for 2022. Frost & Sullivan found Cymulate to cover the most use cases with advanced analytics which enable all stakeholders to make data-based decisions.

Core Use Cases



Security Control
Validation



Immediate Threat
Protection



SOC & IR
Optimization



Cloud Security
Validation



Risk Scoring &
Benchmarking



SIEM
Optimization



Security Control
Gap Assessment



Security Drift
Prevention

Cymulate Security Validation Platform Dashboard



Add-ons



[Extended Security Validation Modules](#)



[Phishing Awareness](#)



[Attack Surface Management \(ASM\)](#)



[Web Application Protection](#)



[Vulnerability Prioritization Technology \(VPT\)](#)



[Purple Teaming Framework](#)



[Lateral Movement](#)

About Cymulate

With a Research Lab that keeps abreast of the very latest threats, Cymulate proactively assesses and validates security posture end-to-end, automatically and continuously. Hyper-connected organizations of all maturity levels can 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. We strive to be the gold standard for security professionals and leaders to assess, optimize, rationalize, and validate their cybersecurity posture. Cymulate provides this with a laser focus on being relevant for today's threats, providing contextualized data for actionability, and ease-of-use for security practitioners of all skill levels.

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

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