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SOLUTION BRIEF

Immediate Threat Validation

New Threat Alert – Are we Exposed?

The threat intelligence community publishes new threat alerts every day through organizations like CISA and MITRE. And every time a new alert gets released, the question gets asked: **Are we exposed?**

Many organizations will speculate on the answer around the belief that the investment they have made in their security controls "should" be able to stop the attack. Some will find out the hard way when an actual attack occurs, and they realize their security controls failed to operate as intended and were unable to block the threat.

Mature organizations, however, don't speculate when it comes to protecting themselves from the latest emerging cyber threats. They realize that threat actors evolve their tactics and techniques so rapidly that they need continuous validation of their critical security controls to stop the latest emerging threats. So, they run breach and attack simulations to test and validate their security controls and provide proof that the controls they have in place are indeed capable of blocking these new emerging threats.

Don't Speculate, Simulate

The Cymulate Exposure Management Platform delivers automated breach and attack simulations of the latest immediate threats identified by the threat intelligence community. New attack simulations are loaded into the Cymulate platform daily to assess whether or not critical security controls can stop these threats.

The timeliness of these simulations enables security leaders to assess their exposure to new threats, usually within 24 hours of the threat being published. Security teams can then take immediate action to mitigate the threat before the threat actors ever get a chance to launch an attack against their environment.

The results of these immediate threat assessments highlight the gaps and weaknesses in your security defenses and provide you with the remediation guidance you need to tune and optimize your security controls to be better protected against the latest threats.

The findings and reports give you hard evidence to say with confidence that your systems are secure, and we are not exposed to this latest threat. Or in the case where you are exposed, provide you with the evidence you need to justify additional resources and spend to reduce your exposure risk.

> **With Cymulate, I can validate controls against emerging threats faster than I could before.**
> – Chief Security Officer, Global Hedge Fund

Solution Benefits

Validate immediate threats

Test critical security controls against the latest emergent threats.

Identify gaps and weaknesses

Prioritize remediation when your controls leave you exposed to a new immediate threat.

Optimize security controls

Tune your controls with remediation guidance to stop these latest attacks.

Prove cyber resilience

Increase confidence with proof that your security controls are resilient to the latest cyber threats.

Backed by the Industry

FROST & SULLIVAN
FROST RADAR LEADER
cymulate
Frost Radar™ :Automated Security Validation, 2024

Gartner
Peer Insights
Customers' Choice 2023

Automated Security Control Validation

The Cymulate Exposure Management Platform provides automated security control validation using breach and attack simulations of the latest immediate threats. These immediate threat assessments operate against your critical security controls with the exact Indicators of Compromise (IOCs) used by the threat actors. These critical security controls include:

- **Email gateway** – send malicious files containing the selected threat to the dedicated target mailbox
- **Web gateway** – attempt to access and download the threat samples using HTTPS
- **Endpoint security** – drop real malware samples onto disk to validate prevention and detection by endpoint controls
- **Network security** – simulate network traffic (only relevant for certain user-created threat simulations)

The immediate threat assessments are production-safe and use real payloads without putting your organization at risk. The artifacts used in the assessment are automatically deleted upon completion and will not cause harm to your environment.

New threats loaded daily

The Cymulate Threat Research team monitors the threat intelligence community daily to identify and load the latest immediate threats as attack simulations into the Cymulate platform. New threat alerts are typically loaded as immediate threat simulations within 24 hours of the alert being published.

Configure auto run option

The Cymulate platform can be configured to auto run all new immediate threats. At the completion of the assessment, security leaders will be notified when their security controls are exposed to these latest threats.

Detailed reports and findings

The detailed findings and reports in the Cymulate platform highlight which security controls leave you exposed and provide you with details of the Indicators of Compromise (IOCs) and Common Vulnerabilities and Exploits (CVEs) used in the attack. You can also view the MITRE ATT&CK tactics and techniques used by the threat actor.

The reports and findings trigger alerts that require attention to protect against immediate threats. These are presented in a dashboard with a complete view of all exposed and accessible assets external to the organization perimeter with a risk assessment score. Security teams can then take the appropriate measures to reduce their exposure risk to immediate threats.

Mitigation guidance and recommendations

Cymulate provides you with mitigation guidance and recommendations to harden your environment and tune your security controls to remediate these immediate threats. Assessments can then be relaunched to ensure that security controls are no longer exposed to the threat.

Why choose Cymulate?

Depth of attack simulations

Over 120,000 attack simulation resources from real-world attack scenarios for comprehensive testing of your security controls.

Production safe

The full suite of attack simulations and test scenarios are completely production-safe and will not cause harm to your production systems.

Automated validation

The attack simulations are fully automated, enabling continuous validation of security controls against immediate threats.

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.

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