DATA SHEET

Cymulate Exposure Analytics

The Path to Exposure Management

Today, cyber programs require separate tools to find vulnerabilities, assess attack surface exposures, gather threat intelligence and test security controls. Aggregating this data is often manual and too focused on technical or operational metrics without reference to business impact. Gartner® introduced the continuous threat exposure management (CTEM) program to bridge this gap by recommending a business-focused methodology for managing cyber risk.

CTEM creates a common language for business and technical teams to manage risk and resilience. By aligning with this program, organizations gain a framework to scope, discover, prioritize, validate and mobilize their cybersecurity initiatives. However, without the means to aggregate and correlate data from multiple sources and align the data with business context, CTEM programs can't operationalize exposure management.

Know the True State of Cyber Resilience by Correlating Exposures and Control Effectiveness

Cymulate Exposure Analytics is a data aggregation and exposure intelligence solution that collects data across enterprise IT, clouds and the security stack to support exposure management programs. By correlating exposure potential with business information and control effectiveness, Cymulate Exposure Analytics prioritizes truly exploitable exposures while measuring resilience so security teams can make informed data-based decisions and provide better insights to strategic leadership.

With this data, Cymulate Exposure Analytics provides:

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- Exposure prioritization that considers the effectiveness of security controls to prevent or detect a threat targeting the vulnerability or exposure
- Actionable remediation plans with guidance for control updates, patching or other configuration changes
- Diagnostic analytics on the current state of threat exposure relevant to business processes, operating units and the organization as a whole.

Discover and Aggregate Exposures and Assets

As an open platform, Cymulate Exposure Analytics aggregates data on exposures and effected assets by integrating with security controls, vulnerability scanners, clouds and the IT infrastructure. With this consolidated view of your attack surface and gaps, Cymulate Exposure Analytics provides a unified and comprehensive overview of your organization security posture.

To enrich the technical data, you can assign assets to one or more pre-defined "business contexts," groups of assets that share similar impacts on the organization's risk. These contexts include business units, product lines, subsidiaries, regions or other relevant groupings to evaluate risk more granularly.

Benefits

Focus on true exposure

Correlate control effectiveness, threat intel and business context to prioritize validated threat exposure.

Accelerate mitigation

Mobilize teams to action with a clearer understanding of a vulnerability's operational and business impact.

Baseline cyber resilience

Measure and baseline security posture for business processes, critical systems and more.

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Basic vulnerability scans tell you where you're vulnerable, but Cymulate tells you if you will be compromised. Vulnerability scanning just gives a report, Cymulate gives us intelligence.

\- Shaun Curtis, Head of Cybersecurity, GUD Holdings

Analyze Exposure by Correlating Validated Prevention and Detection

With the aggregated exposure data, Cymulate Exposure Analytics provides the analytics to validate and prove true exploitability of an exposure by correlating the validated control effectiveness from Cymulate Breach and Attack Simulation and Continuous Automated Red Teaming.

Rather than simply prioritizing based on CVSS scores, Cymulate Exposure Analytics provides contextualized exposure prioritization that scores and stack ranks each vulnerability and exposure based on:

- Validated prevention or detection of threats targeting the exposure
- Business context and impact of effected assets
- Known exploits against the vulnerability
- Threat intel for active campaigns, targeted industries and effected geographies.

Streamline and Prioritize Mitigation Tasks with a Remediation Plan

Cymulate Exposure Analytics correlates threat exposures with security control effectiveness, threat intel and business context to prioritize true exposures and produce detailed remediation plans that include:

- Explanation and evidence of the exposure
- Effected assets and their business context
- Guidance for remediation, such as configuration updates for infrastructure, clouds, applications and controls
- Custom mitigation rules to add threat detection in endpoint and SIEM
- Integration with ticketing systems to mobilize action.

Measure Your Security with Quantifiable Metrics and Baselining

Cymulate Exposure Analytics quantifies true threat exposure so you can measure security resilience and business risk. Risk scoring considers the attack surface, business context, control efficacy, breach feasibility and external data such as CVSS scores and threat intel.

With dynamic reporting and dashboards for baselines and visualizations, you can measure and communicate cyber resilience to executives, boards and their peers while prioritizing new investments and measuring improvement. Cymulate Exposure Analytics presents an organization-wide risk posture view with an option for a hierarchy of business units, mission-critical systems and business operations.

Why choose Cymulate?

Open Platform

Integrates with the leading security controls, vulnerability, scanners, cloud assessments and IT infrastructure to consolidate and analyze threat exposures and effected assets.

Validated Exposures

Only threat exposure platform with exposure validation and prioritization that correlates threat exposures to security controls and validated prevention and detection.

Board-Ready Metrics

Measure and baseline the state of cyber resilience to justify investments and track improvements with fact-based metrics for business units, systems, processes, etc.

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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