

ATTACKIQ®

SOLUTION BRIEF

AttackIQ Exposure Management Module

Expose Real Risks and Focus Remediation
Where It Strengthens Resilience

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Executive Summary

Organizations spend millions patching vulnerabilities that attackers can't reach while exploitable paths to critical assets remain open. The result is wasted effort, blurred visibility into real risk, and limited proof that remediation actually strengthens resilience.

The **AttackIQ Exposure Management Module (EMM)** is an add-on that extends **AttackIQ Ready** and **AttackIQ Enterprise** (coming soon) with advanced attack path management, threat modeling, scoring, and prioritization capabilities that help organizations **identify and reduce the exposures** that matter most.

EMM bridges the gap between vulnerability management and adversary validation. It aggregates vulnerability, asset, network, user privileges, and configuration data, then applies **attack-path modeling, exposure scoring, and control validation** to reveal which risks are actually exploitable and which can be safely deprioritized.

By combining **environmental context and control performance**, EMM enables security teams to focus on high-impact fixes that measurably reduce exposure.

With EMM, organizations can:

- Model and visualize attack paths to critical assets.
- Prioritize vulnerabilities by exploitability, reachability, and business value.
- Quantify exposure reduction over time using a unified scoring and analytics framework.

This enables more intelligent decisions, faster remediation, and clear proof that every action taken meaningfully strengthens resilience.

The Challenge: Visibility without Context

Security teams are drowning in vulnerability data but starving for context. Typical enterprises have thousands of open findings across their environment—yet often a small fraction is truly exploitable.

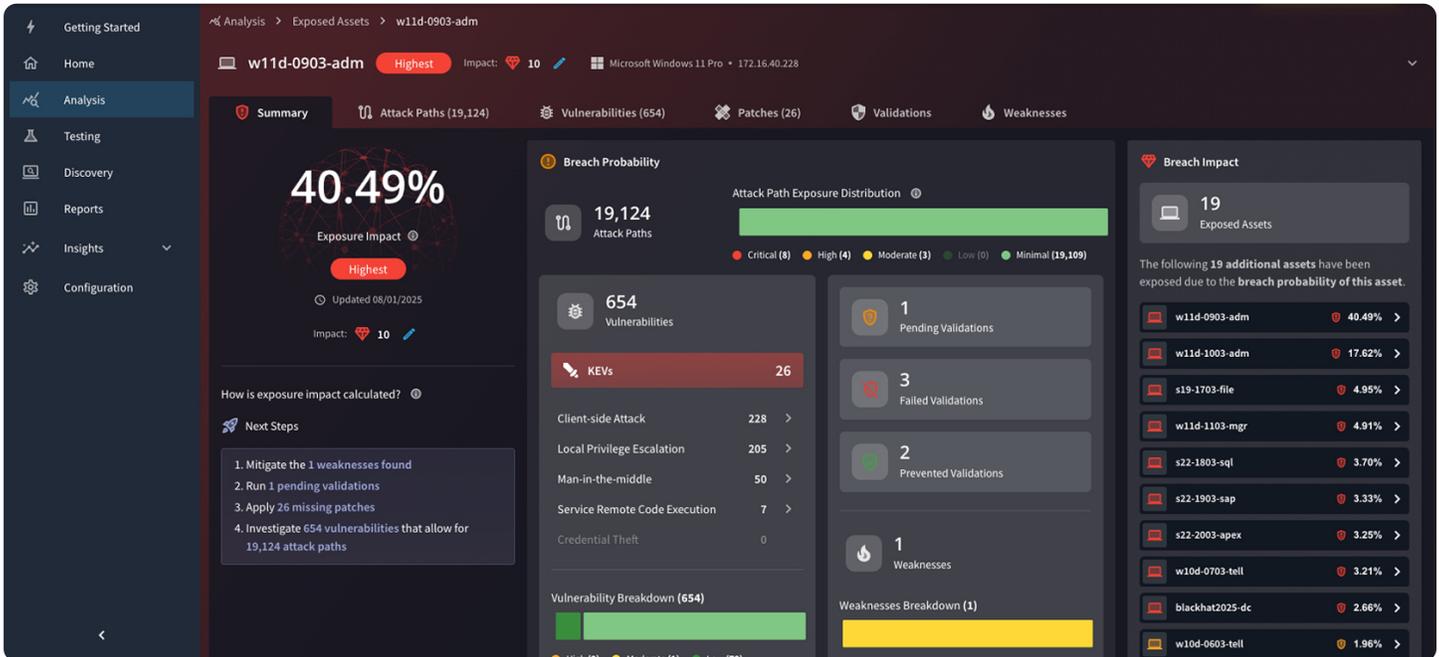
- ✓ **Vulnerability overload lacks context:** Organizations face massive Common Vulnerabilities and Exposures (CVEs) backlogs while attackers exploit only a handful of reachable flaws. The Cybersecurity and Infrastructure Security Agency (CISA)'s Known Exploited Vulnerabilities (KEV) catalog highlights that not all vulnerabilities matter equally.
- ✓ **Traditional scanning doesn't reflect reality:** Common Vulnerability Scoring System (CVSS) scores measure severity, not exploitability. Many "critical" vulnerabilities remain unexploited because of existing controls or limited attack paths.
- ✓ **Exposure needs validation, not just discovery:** Without tying vulnerabilities to control performance or attack paths, teams can't prove that remediation actually reduces risk.

Continuous Threat Exposure Management (CTEM) focuses on *scoping, discovery, prioritization, validation, and mobilization*, not merely scanning lists. EMM operationalizes that model, turning discovery into validated, actionable exposure reduction.

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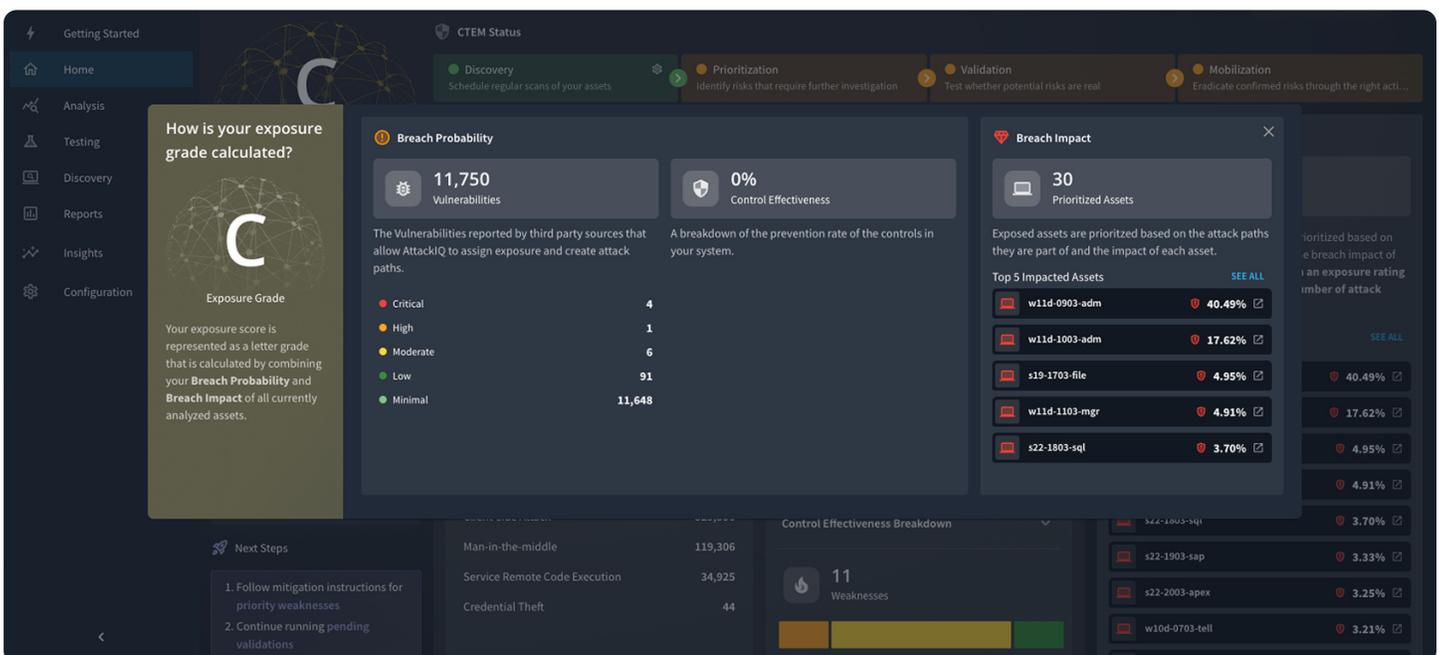
Prioritize with Business Context and Exploitability

Rank vulnerabilities based on **reachability, exploit difficulty, and asset criticality**, not just severity. Combine vulnerability data with **Active Directory relationships, network data, and existing control coverage** to determine actual business risk.



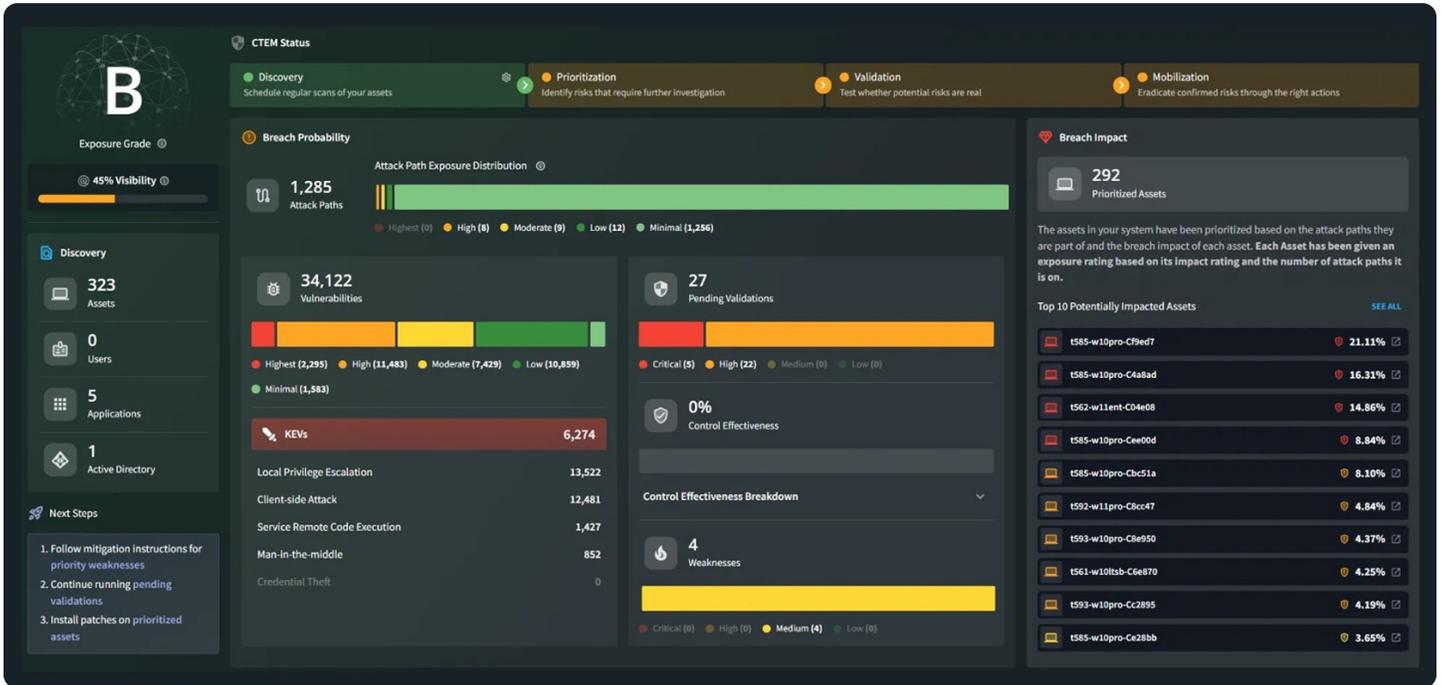
Quantify Exposure Reduction Over Time

Measure improvement with unified **risk scoring** that accounts for vulnerabilities, misconfigurations, control performance, and asset value. Dashboards show how remediation and validation efforts reduce exploitable pathways across testing cycles.



Align to CTEM and Risk Frameworks

EMM operationalizes CTEM's five phases (*Scoping* → *Discovery* → *Prioritization* → *Validation* → *Mobilization*), ensuring every mitigation step contributes to measurable exposure reduction.



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What You Can Do with AttackIQ EMM

EMM extends the power of AttackIQ Ready and AttackIQ Enterprise (coming soon) with context-rich discovery and prioritization capabilities.

Prioritize & Model

- ✓ **Correlate vulnerabilities, assets, and validation data** to reveal real exploit paths and identify weaknesses that matter most.
- ✓ **Rank vulnerabilities by exploitability, reachability, and business value** to focus remediation on the areas that pose the most significant risk.
- ✓ **Model attack paths to crown-jewel assets**, showing how adversaries could traverse your network and isolate dead-end findings that pose no real risk.
- ✓ **Identify choke points** where one fix collapses multiple attack paths, helping teams act efficiently and maximize remediation impact.
- ✓ **Deprioritize vulnerabilities already blocked by controls**, saving time and effort by focusing only on validated exposures.

Validate & Measure

- ✓ **Confirm whether compensating controls block exploit paths**, ensuring defenses are effective before spending remediation effort.
- ✓ **Integrate directly with AttackIQ testing results** to verify that mitigations and compensating controls work as intended.
- ✓ **Quantify exposure reduction** over time using unified scoring (A-F) and trend analytics that combine vulnerability data, control efficacy, and asset criticality.
- ✓ **Track measurable progress** toward CTEM objectives by linking discovery, validation, and prioritization in a single workflow.

EMM transforms traditional vulnerability management into exposure-based decision-making. By connecting vulnerabilities to real-world exploit paths and validated control performance, it helps security teams focus on the few issues that truly matter—**reducing risk faster and proving continuous resilience improvement.**

The Value of AttackIQ EMM in Action

Accelerate Risk Reduction with Patch Prioritization

Thousands of critical CVEs compete for limited patch windows.

EMM ranks vulnerabilities by exploitability and reachability, allowing you to deprioritize findings already blocked by controls and identify choke points.

This helps you pinpoint the high-impact fixes that measurably reduce exposure.

Prove Protection of Critical Assets

Leadership needs evidence that critical applications are protected, not just patched.

EMM models attack paths to critical assets and validate control efficacy, allowing organizations to demonstrate measurable reduction of business risk and verifiable protection of their most vital assets, aligning technical validation with executive-level assurance.

Maximize Remediation Impact While Saving Time & Resources

Remediation teams often work from vulnerability lists disconnected from real exploitability or defensive performance.

EMM unifies vulnerability, control, and asset context into a single view, prioritizing fixes that most effectively reduce validated exposure, and integrates with AttackIQ testing to ensure every mitigation is verified post-remediation.

The result is that remediation efforts become faster, more targeted, and directly tied to risk reduction, transforming patching from a maintenance task into a measurable security outcome.

From Vulnerability Lists to Validated Exposure Reduction.

[Request a demo](#) of the AttackIQ Exposure Management Module (EMM) and see how attack-path modeling, exploitability scoring, and business-aware prioritization turn visibility into measurable resilience.

Highlights

Attack-Path Modeling: Visualize how adversaries can move through your environment to reach critical assets, highlighting exploitable paths and dependencies that matter most.

Choke Point Identification: Pinpoint single fixes that eliminate multiple attack paths, helping teams maximize efficiency and accelerate measurable exposure reduction.

Identity and Network Context: Analyze Active Directory relationships, group memberships, and network segmentation to understand how identity and access misconfigurations contribute to attack paths.

CTEM Alignment: Operationalize CTEM by connecting scoping, discovery, prioritization, validation, and mobilization in a single, iterative workflow.

Vulnerability Prioritization: Focus remediation on what's most impactful by ranking vulnerabilities based on exploitability, reachability, and validated control gaps, eliminating noise from issues already blocked by defenses.

Exposure Scoring: Quantify your organization's overall risk posture by combining vulnerability data, control efficacy, and asset criticality into a unified exposure score.

Control-Aware Prioritization: Integrate with AttackIQ validation results to confirm control efficacy and focus remediation on exploitable weaknesses.

See AttackIQ EMM in action.

Schedule a technical consultation: attackiq.com/demo.

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About AttackIQ

AttackIQ, the leading provider of Adversarial Exposure Validation (AEV) solutions, is trusted by top organizations worldwide to validate security controls in real time. By emulating real-world adversary behavior, AttackIQ closes the gap between knowing about a vulnerability and understanding its true risk. AttackIQ's AEV platform aligns with the Continuous Threat Exposure Management (CTEM) framework, enabling a structured, risk-based approach to ongoing security assessment and improvement.

The company is committed to supporting its MSSP partners with a Flexible Preactive Partner Program that provides turnkey solutions, empowering them to elevate client security. AttackIQ is passionate about giving back to the cybersecurity community through its free award-winning AttackIQ Academy and founding research partnership with MITRE Center for Threat-Informed Defense.