PICUS

DATASHEET

EXPOSURE VALIDATION

Evidence-Based Prioritization of What Attackers Can Exploit

Picus Exposure Validation simulates real attacks against your defenses to prove which exposures are truly exploitable, so you can de-prioritize theoretical risks and close the gaps that actually matter.

Problem:
Expanding Attack Surface & Over-prioritization

Metric	Pain Point
100K+ open findings in backlogs[1]	Overwhelms staffing & tooling
137 days to close a Critical ticket[2]	Threat window stays wide open
61% of new CVEs tagged Critical[3]	Everything feels urgent

Solution:
Picus Exposure Validation

Attack simulations in your live environment prove which exposures your defenses miss, then deprioritize the rest.

- **Shrink the backlog:** focus only on exploitable gaps
- **Cut MTTR:** remediation teams fix what really matters first
- **Show impact:** board-ready metrics tie effort to risk reduction

Focus on Threats that Matter
Prioritize exposures proven to be exploitable in your environment and deprioritize those mitigated by your security controls.

86% Reduction in Vulnerability Backlog[4]

Fix Gaps Fast
Step-by-step remediation guidance plus ready-to-deploy signatures and detection rules, let you shorten MTTR and harden defenses.

81% Decrease in MTTR[4]

Prove Measurable Impact
Evidence-based scoring pinpoints where your resources reduce the most risk, so every action is board-ready.

$580K Less Annual Labor Cost[4]

Core Capabilities

✓ **Evidence-Based Exposure Scoring**
Prioritize exposures by factoring validated control performance, reflecting exploitability, not theory.

✓ **Continuous Control Testing**
Test all your defenses to find gaps via real attack simulations, not mere configuration checks.

✓ **Transparent and Customizable**
Gain auditability with detailed scoring breakdowns. Adjust weights to tailor Exposure Scores to your risk priorities.

✓ **Actionable Remediation Guidance**
Get precise, operational recommendations to fix validated exposures.

✓ **Agentless Control Mapping**
Extrapolates results from tested hosts to all assets, giving full-coverage scores without agents everywhere.

[1] The State of Vulnerability Management in DevSecOps, Ponemon Institute, 2022, [2] A Global View of the CISA KEV Catalog: Prevalence and Remediation, Bitsight, 2024, [3] CVE Program Metrics. CVE.org. https://www.cve.org/about/Metrics, [4] Based on analysis of 10M exposures from Early Availability Program participants

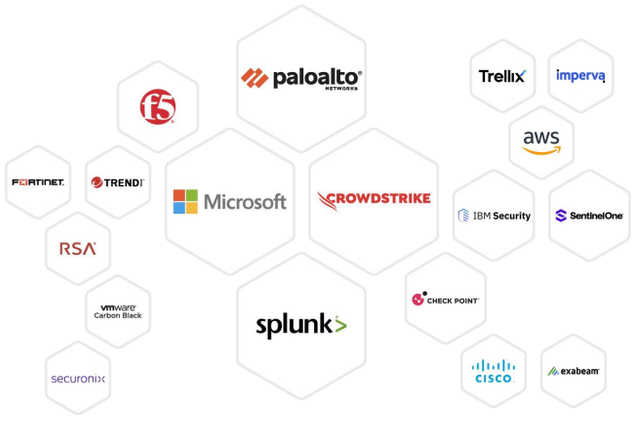
The Picus Exposure Score (PXS)

Calculate 'Your' Real Risk

- **Security Control Performance:** How effectively your existing defenses mitigate each vulnerability.
- **Asset Importance & Business Context:** Your assets' criticality and business value
- **Vulnerability Severity & Exploit Availability:** CVSS and exploit data from EPSS, KEV, and other sources.

Connect to the Tools You Already Trust

Picus Exposure Validation offers out-of-the-box API integrations across every layer of your security stack and enables you to maximize the value of your existing security investments.



How It Works?

1 Ingest Context Data
Pull CVEs, EPSS, asset, and other data via CAASM/RBVM/VM connectors.

2 Map Vulnerabilities to Threats
Link each CVE to real ATT&CK-mapped behaviors in the Picus Threat Library.

3 Measure Defense Gaps
Execute full kill-chain tests against your IPS, EDR, SIEM, and more to capture block/detect rates

4 Score Real Exposure
Blend CVSS, EPSS, control efficacy, and asset value into a transparent score.

5 Fix with One Click
Generate tickets or deploy ready-to-apply mitigation rules to close validated gaps fast.

Outcome:
A validated queue of true risks, so teams focus effort where it reduces the most risk.

> ***Before Picus, we faced significant resource challenges in managing exposures. By recalculating risks with the Exposure Score — taking into account how our security controls stand against TTPs targeting these exposures — we gain clear visibility into what needs to be prioritized. This helps us allocate resources more effectively and improves our collaboration with other teams when taking action.***
>
> ***CISO, Top 100 Energy Company***

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*Gartner, Voice of the Customer for Adversarial Exposure Validation, Peer Contributors, 30 October 2025

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*G2, Breach and Attack Simulation (BAS) Solutions, Fall Grid Report, 9 September 2025