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Pentera Platform

Reduce Your Exposure With Al-Powered Security Validation & Remediation

Continuously test your cyber resilience across internal, cloud, and external attack surfaces. Execute safe, real-world attacks in your live environment to expose true risk. Streamline the handoff from security to operations with Al-driven remediation workflows that automatically generate tickets, assign ownership, deduplicate findings, prioritize by SLA, and revalidate fixes to confirm resolution.

Build Up Your Security Readiness



Test every attack surface

Test on-demand to identify exploitable misconfigurations, credentials, privileges, and vulnerabilities across internal, external, and cloud environments.



Challenge like an attacker

Drive real-world attack emulation in production with Al-led testing and the industry's broadest adversary technique library.



Remediate with precision

Streamline remediation with Al-powered triage that deduplicates and assigns findings based on context—delivered natively into existing SecOps workflows.



Validate resolution

Track remediation progress, auto-trigger re-testing, and deliver audit-ready proof that issues are fully resolved.

How It Works

Pentera leverages Al to emulate real adversaries, identify exploitable risk, and orchestrate remediation from find to fix.

Assessment

Identify vulnerabilities, misconfigurations, and hygiene gaps

Reconnaissance

Identify and map internal, external, and cloud assets with Al-aided discovery and environmental awareness

Credential testing

Test password strength with Al-enhanced cracking and leverage weak or leaked credentials to advance attacks

Endpoint resiliency

Challenge endpoint defenses with safe exploits and malware replicas



Lateral movement

Pivot between assets, cross network segments, and move cloud ↔ on-prem

Exfiltration and impact

Emulate the outcome of a successful attack without compromising data or operational continuity



Clean up

Remove all artifacts used in testing, leaving no footprints

Al-driven remediation workflows

Leverage AI to trigger, assign, and prioritize remediation directly within workflows — with full context and fix guidance



Revalidation

Automatically re-test remediated findings to confirm resolution and generate audit-ready proof of fix

Reporting

Measure exposure, remediation, and time-to-validation with Al-driven insights

Integrate Security Validation With SecOps Workflows

PENTERA PLATFORM



Agentic Interface

Al-Powered **Security Validation**

+ Prove Exploitability

Focus effort on exploitable security gaps across internal, external and cloud attack surfaces

Validate defenses can withstand leading ransomware campaigns

→ Validate Credential Hygiene

Test for identity risks from weak, stolen or leaked credentials

Al-Powered Remediation Workflows

+ Automate Workflows

Auto-trigger & assign remediation tasks directly within existing workflows

→ Prioritize Risk & SLA

Focus remediation by exploitability, business impact, and SLA compliance

→ Orchestrate & Revalidate

Track remediation, revalidate fixes, and provide audit-ready proof of fix

Why **Pentera**



Al-Powered Security Validation from adversarial testing to resolution



Enterprise grade testing and governance across hybrid and distributed IT environments



Remediation natively integrated into the workflows SecOps teams already use

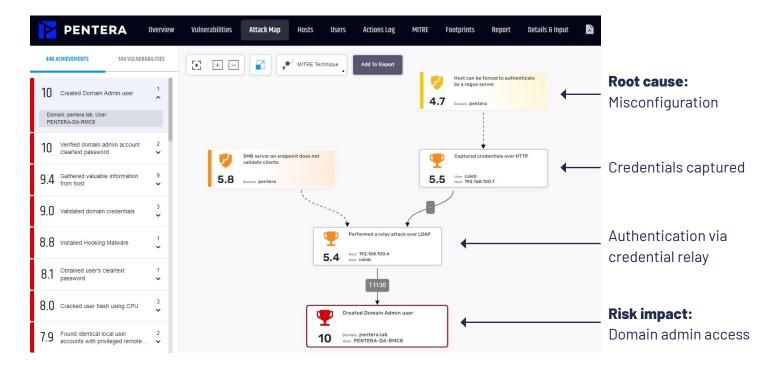


Safe attack emulation in live environments without disrupting uptime or stability



Agentless deployment with no maintenance overhead or operational friction

Eliminate Your Highest-risk Attack Paths



About Pentera

Pentera is the market leader in Al-powered Security Validation, equipping enterprises with the platform to proactively test all their cybersecurity controls against the latest cyber attacks. Pentera identifies true risk across the entire attack surface, and automatically orchestrates remediation workflows to effectively reduce exposure. The company's security validation capabilities are essential for Continuous Threat Exposure Management (CTEM) operations. Thousands of security professionals around the world trust Pentera to close security gaps before threat actors can exploit them.







