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Recent High Profile **Breaches**







Recent High Profile **Breaches**









Skeleton key discovered in unprotected storage



Forged 25 authentication tokens to different orgs



Storm-0558 remains under the radar for months



Data Leakage



Privilege Escalation



Lateral Movement



APT



Recent High Profile **Breaches**









Spear-vished help desk and abused trust



Reset OKTA admin user



Mass escalation on ESXi hypervisors & ransomware



Vishing



Privilege Escalation



Lateral Movement



Business Downtime





Software Vulnerability



Data Leakage



Vishing



Supply Chain Attack

Phishing

Stolen Creds

Physical Security Breach

WIFI Breach **Insider Threat**

INITIAL ACCESS BECOMES INEVITABLE!!



NOW WHAT?



ASSUME BREACH







BUY THE LATEST TOOLS





How CONFIDEN T are you in your security posture?





So, can I test my cyber SECURITY DEFENSE?



We Need to Change our

VULNERABILITY-CENTRIC APPROACH



Reality Check - We can never be patch perfect Vulnerabilities (CVE) Discovered



Non-patchable attack surfaces will account for over 50% of enterprise exposure by 2026.

Source: www.cvedetails.com

Source: Gartner: Enterprises Must Expand From Threat to Exposure Management"



...a vulnerability is something I can patch





Patchable vs. Non-Patchable Vulnerabilities



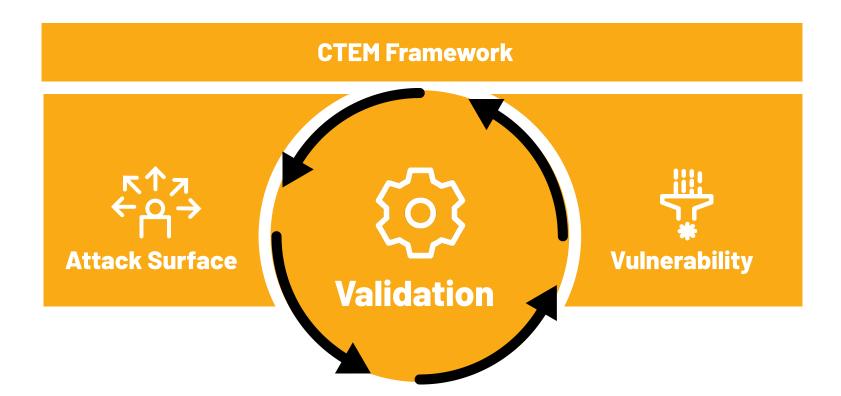


Introducing **EXPOSURE MANAGEMENT**

An ongoing process for accounting for and reducing your IT risk.



Validation - The Perpetual Engine at the Heart of CTEM



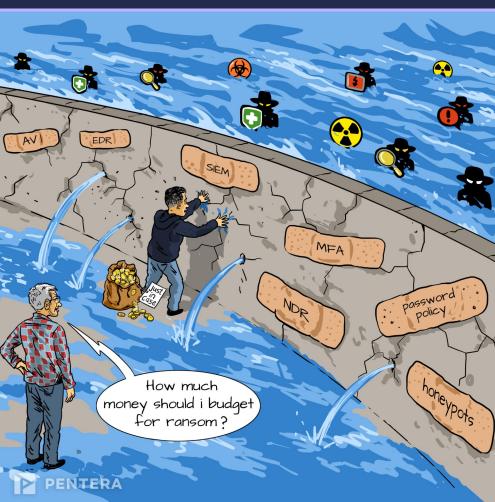
Exposure management is superseding the vulnerability management practices of today.



60% of Organizations
Pursuing or Considering

Source: Gartner Strategic Roadmap for CTEM, Aug 2025





We need to validate like an attacker! BUT HOW?



4 Pillars to validate like an

ATTACKER

```
Loop
Think graphs();
Automate tests();
Validate everything();
Test continuously();
```



$X \square$			
	mh á a la		
	Tnink	<pre>graphs();</pre>	









$X \square$		
	Automate	tests():
	Automate	Lesis(),





VS



DEFENDERS
Use Manual
Validation

ATTACKERS
Use Automated
Attacks



Attackers Automate

APT1

used a batch script to perform a series of discovery techniques and save it to a text file

APT28

used a publicly available tool to gather and compress multiple documents on the DCCC and DNC networks

ZEBROCY

scans the system and automatically collects files with specific extensions

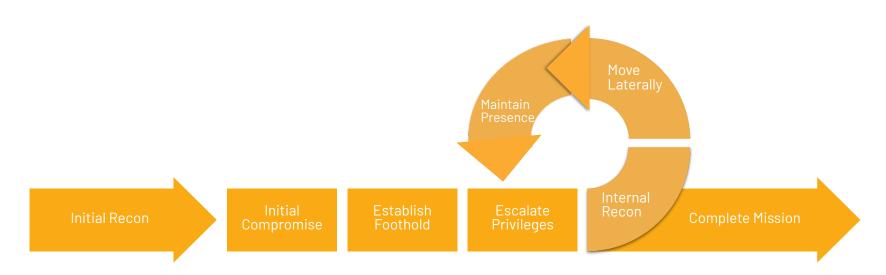
FRANKENSTEI

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has enumerated hosts via Empire, gathering the username, domain name, machine name and other system information



The Automated Attacker Lifecycle



AUTOMATED VALIDATION NEEDS TO GO THROUGH ALL STAGES!



Validate everything();



AUTOMATED VALIDATION





Test continuously();

30



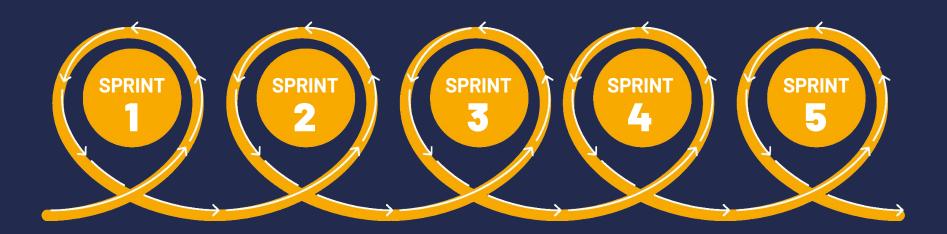
Challenge: Limited Visibility

Accounting for a Constantly Changing Attack Surface





Agile Exposure Management Monthly/Weekly Remediation "Sprints"









3 key Takeaways

Assume Breach





3 key Takeaways

Assume Breach





Prioritize remediation according to validated risk and SLA



3 key Takeaways

Assume Breach





Prioritize remediation according to validated risk and SLA

Use Automation and AI to Validate





Pentera Platform

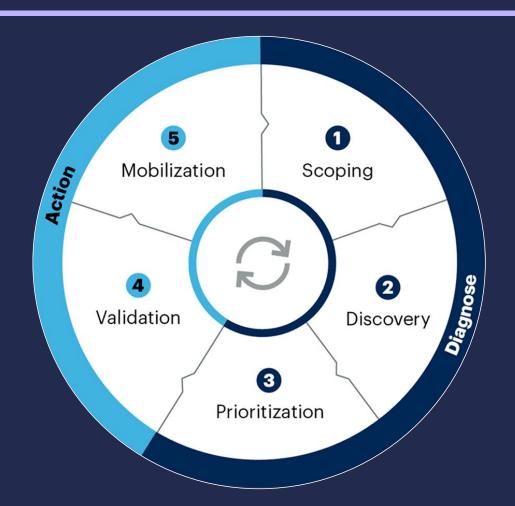


A Unified Validation to Remediation Platform



Continuous
Threat
Exposure
Management

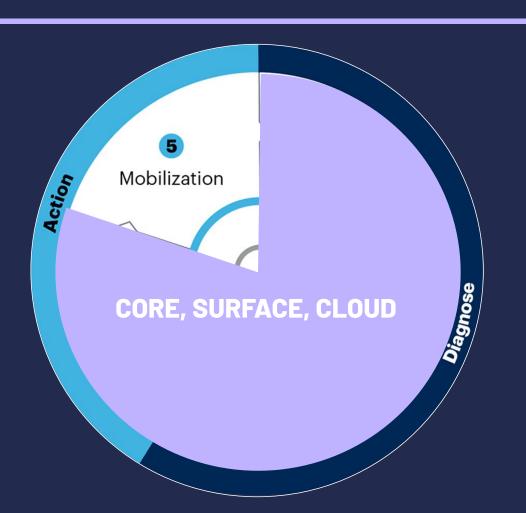
Gartner





Continuous
Threat
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