## **Pentera Cloud**

# Automated Cloud Penetration Testing

Test and validate your cloud defenses to ensure continuous cyber readiness with Pentera Cloud. Identify exploitable misconfigurations, software vulnerabilities, exposed credentials, and excessive permissions across your cloud estate to guide remediation efforts based on true exposure.

#### **Key Product Pillars**



## Cloud Attack Surface Visibility

Requiring no agents, Pentera continuously maps your cloud assets, identifying workloads, storage, databases and identities across all regions.



#### Cloud-Native Attack Testing

Pentera safely runs ethical penetration testing attacks, validating your resilience against MITRE ATT&CK cloud techniques.



## Cloud to On-Premises Testing

Just like an adversary, Pentera uncovers lateral attack paths between hybrid, on-premises and cloud environments.



## Evidence-Based Remediation

Exploitable security gaps are prioritized based on business impact, with detailed remediation quidance.



### Automating the Cloud-Native Attack Testing Lifecycle

Pentera safely performs all the actions an adversary would

#### **Vulnerability Assessment**

## **Privilege Escalation**

Use collected credentials and compromised assets within data files to acquire elevated permissions, advancing the attack

Reconnaissance & Discovery

Automatically discover and enumerate your cloud assets

#### Identify configuration flaws,

vulnerabilities and exposed credentials across your cloud estate

#### **Lateral Movement**

Move between cloud assets and on-prem resources to broaden the threat actor's reach

#### **Exfiltration & Impact**

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

## **Exploitation**

**Collection & Post** 

Inspect compromised systems for additional vulnerabilities, then harvest cloud secrets and collect sensitive data for potential exfiltration opportunities

## Reporting

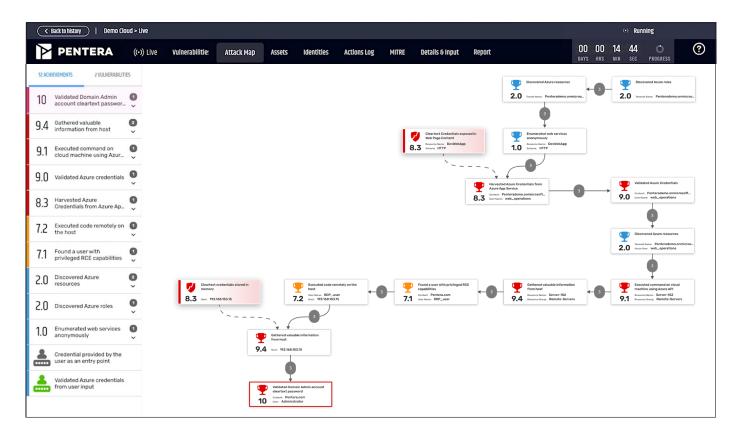
Document findings for internal communication and remediation ticketing



Eliminate critical attack paths and prioritize fixing of identified security gaps based on true impact

#### Clean up

Remove data or code used in the test run to leave zero residual footprint



#### **Benefits**

- + Reduce cyber risk exposure
  - Identify and block exploitable attack kill-chains in your cloud environment.
- Increase cybersecurity team efficiency

  Automate security validation testing activities across the entire attack surface.
- Reduce third-party testing reliance and expenses

  Minimize cost and dependence on external cloud penetration testing services.
- + Accelerate time-to-remediation

Address critical cloud vulnerabilities and misconfigurations, mitigating risk before it materializes.

#### **About Pentera**

Pentera is the category leader for Automated Security Validation<sup>™</sup>, allowing every organization to test with ease the integrity of all cybersecurity layers, unfolding true, current security exposures at any moment, at any scale. Thousands of security professionals and service providers around the world use Pentera to guide remediation and close security gaps before they are exploited.









