Highlights

• Perform penetration tests without exposing sensitive credential information

• Allow for authenticated penetration tests to run seamlessly

• Reduce risk and vulnerability in privileged user environments

Pentera and CyberArk Application Access Manager

The Pentera integration with CyberArk Application Access Manager is designed to provide a robust penetration testing solution that gives security teams the power of a Red-Team while protecting privileged accounts. This integration enables the retrieval of user credentials, as part of an authenticated and automated penetration testing scenario run. The integration is also designed to ensure the integrity and confidentiality of high-privilege credentials while conducting penetration test risk validation exercises.

Securely Enable Continuous Enterprise Penetration Testing

CyberArk Application Access Manager is designed to provide organizations with comprehensive privileged access, credential, and secrets management solution for widely used application types and other non-human identities. For example, Application Access Manager can secure credentials for commercial off-the-shelf applications, traditional internally developed applications, and scripts, as well as containerized applications built using DevOps methodologies.

The Pentera automated penetration-testing platform enables continuous-risk validation and fast and focused remediation on kill-chain vulnerabilities. After automatically scanning and enumerating an organization's network and applying a broad range of pen-testing techniques, Pentera generates an automatic attack summary report that visually illustrates the "attack story" from the hacker's perspective, pointing to the security practices that require improvement and the vulnerabilities that need to be remediated.

How it works

The Pentera automated penetration integration with CyberArk Application Access Manager provides the ability to perform secured authenticated Pen-Testing runs. At the start of the pen test the credentials required by the Pen test are security retrieved from the CyberArk Vault through secure APIs.
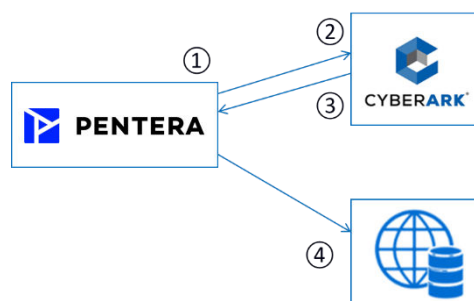
(1) Start PenTera Authenticated Pen-test
(2) PenTera requests credentials from CyberArk Application Access Manager
(3) CyberArk delivers credentials back to PenTera
(4) PenTera initiating Authenticated Pen-test run using the delivered credentials over the network

Partner Product/s:

• Pentera

• Version 2.4 and above

CyberArk Product/s

• Application Access Manager

• Core Privileged Access Security Platform

Automated Penetration Testing

Traditionally, penetration testing has been done manually by firms, deploying expensive labor to uncover hidden vulnerabilities, producing lengthy reports, with little transparency along the way. Professional services-based penetration testing is time consuming, "point in time" by nature, expensive and cannot comply with the need for continuous security validation within a dynamic IT environment.

Focused on the inside threat, Pentera' automated penetration-testing platform changes the rules of the game by delivering the power of 1000 ethical pen-testers providing you the critical priorities for remediation and instrumentation steps to allowing you to stay ahead of the next malicious hacker.

Capabilities include:

• Agentless penetration testing

• Prioritize "kill-chain" vulnerabilities for remediation

• Black and Gray box modes

• Safe and secure execution in live environments

• Instant reporting and validation of previously found vulnerabilities

Summary

Pentera continuous penetration testing enables IT-teams to continually improve the consistency of their cybersecurity posture over time. The platform enables IT teams to test their environment on a self-service basis against the latest hacking techniques in a secure manner. The Pentera integration with CyberArk is designed to enable penetration tests to be performed without exposing sensitive information to non-authorized third-party personnel and without adding further risk of credential leakage or compromise.

About CyberArk
CyberArk is the global leader in privileged access security, a critical layer of IT security to protect data, infrastructure and assets across the enterprise, in the cloud and throughout the DevOps pipeline. CyberArk delivers the industry's most complete solution to reduce risk created by privileged credentials and secrets. The company is trusted by the world's leading organizations, including more than 50 percent of the Fortune 500, to protect against external attackers and malicious insiders. To learn more, visit us at www.cyberark.com.

About Pentera
Pentera delivers an automated penetration-testing platform that assesses and reduces corporate cybersecurity risks. By applying the hacker's perspective, our software identifies, analyzes and prioritizes remediation of cyber defense vulnerabilities. Security officers and service providers around the world use Pentera to perform continuous, machine-based penetration tests that improve their immunity against cyber-attacks across their organizational networks. To learn more, visit us at www.pentera.io.