

What is Automated Penetration Testing?

vPenTest is an automated network penetration testing platform that combines the knowledge, methodology, processes, and toolsets of a hacker into a single, deployable SaaS platform for organizations of all sizes. vPenTest allows organizations to perform a penetration test within their environment at any given time, satisfying both compliance requirements as well as meeting security best practices. This platform is developed and maintained by our key partner Vonahi Security and is based on a framework that continuously improves over time.

Traditionally, organizations have to face several challenges when seeking a penetration test, including availability, experience and background, as well as low quality deliverables that fail to effectively communicate the critical issues and remediation strategies that organizations need to adhere to in order to reduce their overall cyber risk. Through several years of experience, certifications, industry contributions including numerous tools, vPenTest solves a critical need for organizations in an ever-changing threat landscape.

- No more scheduling conflicts.
- A **full-blown** penetration test, whenever you need, however often you need.
- Developed on a framework and methodology that changes and improves as the industry threats increase.
- Backed by **10+ years** of experienced and OSCP, CISSP, CEH, and OSCE certified consultants.

vPenTest helps your organisation solve an on-going challenge of **meeting compliance requirements**, achieving **security best practices**, and researching multiple vendors to compare numerous factors to meet their needs.



VALIDATED BY EXPERTS

Combining the knowledge, skills, logic, and toolsets of numerous consultants into one, vPenTest is the perfect solution to consistently satisfy your organisation's needs for quality results.



REAL-TIME ACTIVITY TRACKING

An important step to assessing your organisation's risk is the ability to **detect and respond to malicious activities** occurring within your environment. vPenTest creates a separate log file for every single activity that is performed so you can correlate our activities with your monitoring and logging solutions.



MEET COMPLIANCE, MEET BEST PRACTICES

By having the ability to perform a quality network penetration test whenever you want and however often you want, your organisation can be assured that it will continuously meet security best practices and compliance regulations.



Our Automated Penetration Test Methodology

vPenTest combines multiple methodologies that were once manually conducted into an automated fashion to consistently provide maximum value to your organisation.

EGRESS FILTERING TESTING

Automatically perform egress filtering to ensure that your organization is effectively restricting unnecessary outbound traffic. Unrestricted outbound access can allow a malicious actor to exfiltrate data from your organisation's environment using traditional methods and unmonitored ports.

PRIVILEGE ESCALATION & LATERAL MOVEMENT

Using a valid set of credentials, vPenTest will attempt to identify valuable areas within your organisation. This is conducted through a variety of methods, including the use of Vonahi's Leprechaun tool which assists in identifying where sensitive targets are.

SIMULATED MALWARE

With elevated access, vPenTest will attempt to upload malicious code onto remote systems in an attempt to test the organisation's end-point anti-malware controls.

AUTHENTICATION ATTACKS

Upon the discovery of user account credentials, vPenTest will automatically attempt to validate those credentials and determine where they are most useful. This is a common process executed by both malicious attackers and penetration testers and is performed during privilege escalation.

DATA EXFILTRATION

Critical data leaving your organization is an extremely serious concern. If access to confidential and/or sensitive data can be attained, vPenTest will simulate and log this activity to help your organization tighten areas that should restrict data exfiltration.

TIMELY REPORTING

vPenTest generates an executive summary, technical and vulnerability report within 48 hours after the penetration test is complete. Our detailed deliverables will allow your network staff to cross reference our activities with monitoring and alerting controls.

Assessment Capabilities

We offer two different automated penetration testing services to guide your organization to a better security posture and program.

INTERNAL NETWORK PENTEST

Using a device connected to your internal environment, our consultants will discover security vulnerabilities present within the internal network environment. These activities simulate that of a malicious attacker.

EXTERNAL NETWORK PENTEST

Assuming the role of a malicious attacker from the public Internet, our consultants will identify security flaws within your external network environment. These flaws can include patching, configuration, and authentication issues.





ABOUT US




We are a leading Managed Technology Solutions provider that offers a comprehensive range of IT services to businesses across all industries throughout the UK. From cloud computing services that provide flexibility and scalability to managed services that ensure smooth and efficient system operation, our solutions are tailored to meet the specific needs of each client.

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