TotalPenTest

What is Automated Penetration Testing?

TotalPenTest 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 organisations of all sizes. TotalPenTest allows organisations 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 solely by Vonahi Security and is based on a framework that continuously improves over time.

Traditionally, organisations 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 organisations need to adhere to in order to reduce their overall cyber risk. Through several years of experience, certifications, industry contributions including numerous tools, TotalPenTest solves a critical need for organisations 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 20+ years of experienced and OSCP, CISSP, CEH, and OSCE certified consultants.

TotalPenTest helps organisations 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, TotalPenTest 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. TotalPenTest 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

TotalPenTest combines multiple methodologies that were once manually conducted into an automated fashion to consistently provide maximum value to organisations.

EGRESS FILTERING TESTING

Automatically perform egress filtering to ensure that your organisation 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..

AUTHENTICATION ATTACKS

Upon the discovery of user account credentials, TotalPenTest 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.

PRIVILEGE ESCALATION & LATERAL MOVEMENT

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

DATA EXFILTRATION

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

SIMULATED MALWARE

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

TIMELY REPORTING

TotalPenTest 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 specialise in two different automated penetration testing services to guide your organisation 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.

Total Group additionally offer the following services:

CLOUD PENTEST

- Assess cloud infrastructure security
- Uncover vulnerabilities and misconfigurations
- Simulate external attacks on platforms like AWS, Azure, and Google Cloud

WIRELESS PENTEST

- Examine the security of Wi-Fi and Bluetooth networks
- Identify vulnerabilities in access points, routers, and devices
- Fortify against unauthorised access attempts and breaches

APPLICATION PENTEST

- Evaluate web applications, mobile apps, and software systems
- Identify vulnerabilities such as SQL injection and cross-site scripting (XSS)
- Perform simulated attacks to safeguard sensitive data

TOTAL GROUP

Protect Your Business and Stay Compliant: Your Essential Guide Awaits!

Cyber threats are evolving every day... i**s your organisation truly prepared?** Don't let compliance gaps or vulnerabilities put your business at risk.

Our **Network Penetration Testing Buyer's Guide** reveals how to choose the right testing solution to keep your defences strong and your regulators satisfied.

Take the next step toward s**tronger security** and **the peace of mind you deserve.**

⬇ DOWNLOAD

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BETTER BUSINESS IT

— EBOOK —

The Network Penetration Testing Buyer's Guide
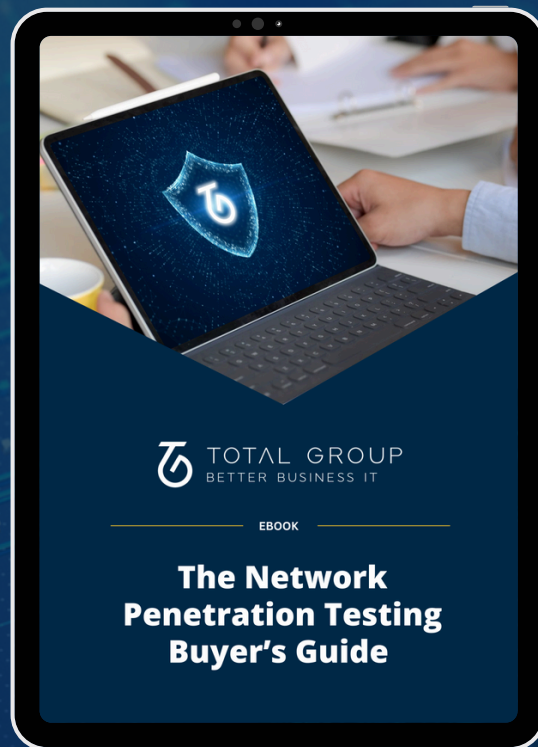
ABOUT US

Total Group is a IT and Cybersecurity Managed Service Provider that offers comprehensive data security services. Our team is comprised of engineering experts experienced in offensive and defensive operations, allowing us to provide quality cyber security services. We ensure your organisation is successful by achieving its security goals and remaining one step ahead of malicious adversaries, the automated way!

YOUR IT SIMPLIFIED.
YOUR SECURITY AMPLIFIED.

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