TrackIt

2023

TRACKIT CLOUD SECURITY SOLUTIONS

PENETRATION TESTING

www.trackit.io

Penetration Testing

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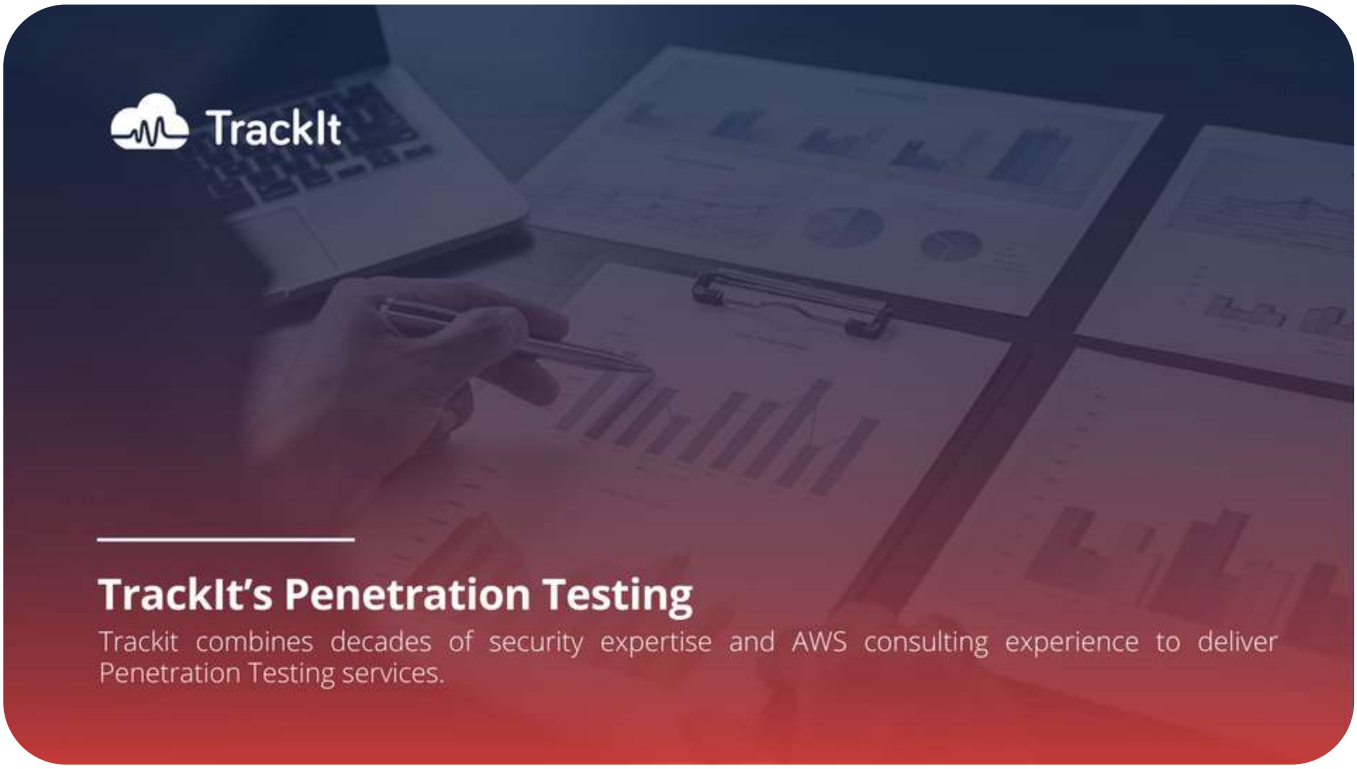
Trackit combines decades of security expertise and AWS consulting experience to deliver Penetration Testing services. This service is based on the Penetration Testing Execution Standard (PTES) Technical Guidelines which define best-practice procedures.

The Penetration Testing service is composed of four phases

- **Discovery**
- **Vulnerability Analysis**
- **Vulnerability Exploitation**
- **Security Reporting**



TrackIt's Penetration Testing

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DISCOVERY

During the discovery phase, a TrackIt security engineer will gather information for the Penetration Test. Client team members will be engaged to gather information and establish project goals.

Steps in the **Discovery** phase include:

- **Intelligence Gathering** - Employees, internet footprint, email addresses, social networks, chat rooms, mailing lists, domain names, and external footprint
- **Footprint Scanning** - DNS, instances, ports, services, SNMP sweeps, ping sweeps, and packet sniffing

VULNERABILITY ANALYSIS

During the Vulnerability Analysis phase, TrackIt's security expert will perform passive and active scanning to find potential security threats.

Steps in the **Vulnerability Analysis** include:

- Passive / Active scanning
- Traffic monitoring
- Public research
- Vulnerability validation
- Identification of patch level vulnerabilities
- Identification of weak web applications
- Identification of weak ports and services
- Cracking passwords

VULNERABILITY EXPLOITATION

In the Vulnerability Exploitation phase, TrackIt's security expert will seek to exploit found vulnerabilities from the Vulnerability Analysis. This is performed using tools, custom scripts, and existing exploits. Permission is requested before exploiting vulnerabilities that could lead to denial of service or impact user experience.

Steps in the **Vulnerability Exploitation** include:

- Countermeasure bypass
- Fuzzing
- Brute-force attacks
- DNS requests
- Data exfiltration

SECURITY REPORT

The end result will be a full security report. Details of the report will outline:

- Found vulnerabilities
- Calculating CVSS scores
- Description of each vulnerability
- Recommendations on remediation steps

TrackIt's Penetration Testing service is scoped based on your needs.
Contact your TrackIT sales representative or email info@trackit.io to get started.