



# Penetration Testing

## The challenge

Unauthorized access to company resources using existing and new vulnerabilities is a serious security concern today. Organizations fail to detect vulnerabilities within their infrastructure in time and that enable adversaries to probe into their critical assets without their knowledge.

Lack of security awareness of your personnel could also pose a risk to your business. If company personnel are attacked through social engineering campaigns such as phishing, vishing, this bypasses the stronger perimeter controls and exposes your internal assets.

Hence, organizations need to investigate the weaknesses in their infrastructure and people from a hacker's perspective, which can aid in finding active countermeasures to protect their critical assets.



## The solution

A penetration test identifies and demonstrates vulnerabilities, answering the question: could an attacker break into my network?

The Penetration Testing service can be performed from the perspective of threats exploiting the network edge facing the Internet (**External**), as well as from inside the network environment (**Internal**).

Mix External Penetration Testing, Internal Penetration Testing and Phishing to create a blended threat scenario



## The value

- Every penetration test is performed with a unique approach to every organization. Our methodology is performed by the industry's top security testers, leveraging our proprietary tactics and intelligence.
- Penetration Tests are designed to show how a cyber adversary would gain unauthorized access to your environment by using similar tactics and techniques.
- The findings are delivered in a final report and provides a customized course of action for both leadership and technical audiences as well as detailed findings and executive summary
- Satisfy compliance requirements, including ISO27001, PCI DSS and HIPAA

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# Penetration Testing

## The how

Penetration testing is categorized broadly into three categories namely, white-box, black-box and grey-box. The visibility to infrastructure and its applications is a deciding criterion to adopt a penetration testing method.



During Internal Testing, we can leverage your entire network to find security backdoors that can compromise a subset of target systems.

During External Testing, we will leverage tactics such as OSINT and credential testing to compromise the target systems. This uncovers the exposures of “low hanging fruits” to your public-facing internal assets.

By testing internal and external security controls, including protections around high-value systems you can gain actionable course of action for remediation

Penetration Testing is using a test-driven, manual process that includes tactics used by threat actors.

## PENETRATION TESTING

### Discovery

- Open source intelligence
- Footprinting
- Understanding the platform
- Application model type

### Assessment

- Local file analysis
- Binary analysis
- Dynamic analysis
- Reverse engineering
- Web traffic analysis
- Inter-process communication and dependencies

### Exploitation

- Exploit Vulnerabilities
- Privilege escalation

### Report

- Risk assessment
- Impact Analysis
- Final Report

## Why Enfo

Our values are at the core of our actions; collaboration, trust, continuous development and expertise. We walk beside our customers in their data-driven business transformation, taking ownership of their transformation as if it were our own.



**Mastering  
complexity**



**Confidence  
in cloud**



**Genuine  
care**

## Contact us

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