

## Penetration Testing

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Cognosec Services



## Features

Penetration testing is recommended annually, and in the event of major changes to your infrastructure. It is essential for companies holding intellectual property, information linked to personal identities, or financial information such as credit card data – and is often mandated by regulators. Penetration testing will help:

- Prevent severe financial losses that could arise due to unreliable infrastructure or fraud
- Provide the necessary proof of due diligence for regulators, customers, and shareholders
- Protect the brand from the dreadful loss of reputation

## Description

Penetration testing is a crucial element in securing your IT systems. Our team of experts can simulate an attack on multiple levels to determine whether sensitive data is at risk. The overall objective of penetration

testing is to provide an independent and reliable view of the security of the internet-facing infrastructure of an IT environment. The assessment identifies weaknesses and vulnerabilities and quantifies the severity thereof – providing the information needed to address and control the threats.

## Specifications

Penetration testing is a ‘mock’ or staged attack to identify vulnerabilities in information systems. Our testers, ‘white hat hackers’, put themselves in the position of someone determined to gain access to resources without knowledge of usernames, passwords and other normal means. Like a hacker or cyber criminal, they try every trick in the book, every possible plan of attack. They find the ways applications could be modified, and confidential information such as price lists or customer databases stolen or subverted. They then provide a report – explaining how they ‘broke in’ and how an organisation can avoid it happening ‘for real’.

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