

# Internal Network Penetration Testing from **eir Business**



## If the threat is inside your network, how can you stop an attack from going further?

Even the best-protected networks can be breached, either by outsiders or by insiders who may try to steal data or otherwise compromise your business. You must ensure that attackers who gain access to the network don't have free rein to view, copy or destroy information.

### CREST-certified experts for peace of mind

Internal network penetration tests are performed by our security services partner, Espion. CREST is the industry gold standard in information security testing and Espion is a CREST member company for penetration testing services. Their assessment simulates an attack against your enterprise through the medium of any internal systems in use by your organisation, to determine any potential exposure.

### Scope and range of test are agreed with you

Although our methods mimic real, malicious hacker behaviour as closely as possible, we use industry-approved penetration testing tools and conduct our test within parameters that are pre-defined. The scope and range of the test, and legal authorisation to conduct it, are all agreed in advance.

### Your infrastructure stays intact

The penetration test is designed to determine weaknesses, not exploit them to their full, destructive potential. By agreement with you, our test does not aim to compromise the security, integrity or availability of your systems. However we do let you know whether any of our discoveries could have been used by attackers to access sensitive data or disable your systems.

### Help you stay compliant with legislation and industry standards

The EU and national legislative landscape for IT security is evolving. Internal Network Penetration Testing is one way to help keep your company compliant with directives and meet industry requirements, including PCI-DSS, the information security standard governing any organisation handling credit card payments.



Internal Network Penetration Testing mimics the behaviour of an attacker, to help you find and plug vulnerabilities before they're used against you.

# Your questions answered:

## How does Internal Network Penetration Testing work?

Our objective is to identify and then test vulnerabilities in your internal systems, ranking the vulnerabilities from high risk to low risk. We exploit these vulnerabilities in a controlled way, which lets us determine the actual business risk associated with each identified weakness. The test benefits you by highlighting business-impacting network and IT security vulnerabilities so that you can take action.

## How can I be assured my systems won't be damaged?

All network infrastructure testing is performed in line with a carefully selected set of industry recognised tools and techniques, e.g. OSSTMM and NIST SP800-115. The specialists performing the test are experienced, industry- certified professionals who know how to exploit vulnerabilities responsibly, without damaging company assets, and without compromising the availability or integrity of systems



## What does the penetration test entail?

**Engagement** - a mutual agreement outlining the terms of engagement and level of exploitation permitted



**Discovery** - information gathering regarding your network environment, architecture and technology types in use

**Exploitation** - simulated attack, replicating real-life malicious hacker behaviour, to determine which information assets are vulnerable



**Post Exploitation** - deeper intrusion into your network to determine which information assets are accessible to attackers

**Reporting** - a confidential, secure and quality assured report on test findings. Including prioritised recommended actions to address your vulnerabilities



## About Espion

Espion provides expertise to clients on Identification, Protection, Compliance and Management of their Information.

Headquartered in Dublin, and operating in Ireland, the UK, continental Europe and the US, Espion are unrivalled experts in managing the complexities of corporate information, giving your people maximum access to and control of your company's information.



Espion International Quality Standard Certifications / Espion is a BSI Professional Services Company



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