

# Web Service Penetration Testing from **eir Business**



## Your website should open your business to your business partners, not to attack!

A web-service offering integration with other programs is a great way to extend your services and business through business partners. But a vulnerability in your web-service could be the entry point that lets attackers compromise your data, access customer details and damage your reputation. Web Service Penetration Testing lets you uncover weaknesses before they are exploited by outsiders.

### CREST-certified experts for peace of mind

Web service 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 web service 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. We test your web service for a comprehensive assessment.

### Your infrastructure stays intact

The penetration test is designed to determine weaknesses accessible via your web service; we don't exploit these weaknesses to disable your business. By agreement with you, our test does not aim to compromise the security, integrity or availability of your systems. However, we will let you know whether your web service could be used by attackers to access sensitive data or disable systems.

### Stay compliant with legislation and industry standards

The EU and national legislative landscape for IT security is evolving. Independent security 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 that handles credit card payments.



Make sure your web service isn't a weak spot  
into your enterprise IT with comprehensive  
penetration testing

# Your questions answered:

## How does Web Service Penetration Testing work?

Our objective is to identify and then test vulnerabilities in any web service used by your enterprise, and then rank these 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 security vulnerabilities so that you can take action.

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

All testing and reporting of the web service is performed in line with a carefully selected set of industry recognised tools and techniques, e.g. OWASP Top 10 and Mitre Common Attack Pattern Enumeration and Classification (CAPEC). 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



**Enumeration** - gathering of useful information about the web service through both active and passive means

**Exploitation** - simulated attack, identifying and exploiting vulnerabilities that will be included in the final report



**Reporting** - a confidential, secure and quality assured report on the test's 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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