



PENETRATION TESTING

WHAT IS PENETRATION TESTING?

Penetration testing evaluates the security of a system or network and reports on any vulnerabilities that could impact your business. It is the most effective way of demonstrating how attackers exploit weaknesses in a system or network as well as how these vulnerabilities could be leveraged to gain further access.

WHY SHOULD YOU UNDERTAKE PENETRATION TESTING?

Security breaches of any size can result in financial loss, threaten an organisation's reputation, erode customer loyalties, attract negative press or threaten large deals and acquisitions.

Penetration testing will expose issues you currently have within your system or network, how an attacker may exploit these to gain unauthorised access and allow your company to determine the level of threat these vulnerabilities pose. By resolving and remediating the issues identified by a penetration test, your company can greatly reduce the risk of a security breach.

With the introduction of GDPR, regular penetration tests are a good way of evidencing security of personal data processed on IT networks.



HOW DOES PGI UNDERTAKE PENETRATION TESTING?

All penetration testing undertaken by PGI is performed by certified penetration testers who follow the same tried and tested methodologies used by both the private and public sector. Penetration testing is a manual process which will have a minimum of one dedicated penetration tester attempting to find and exploit vulnerabilities on the device or network.

All penetration testing undertaken by PGI comes with an extensive report on the security posture of the devices tested. The reports are split into three sections which are to be used by different teams within the organisation, including one section aimed at executives. This part of the report provides an overview of the results found in language which is non-technical and can be understood by personnel outside IT or security teams.

WHAT TYPES OF PENETRATION TESTING DOES PGI OFFER?

If a device or network has electrons running through it, PGI can penetration test it and find potential vulnerabilities. PGI offers a wide range of penetration testing services which include, but are not limited to:

- Infrastructure penetration testing
- Web application penetration testing
- Wireless penetration testing
- Client side penetration testing
- “IT Health Check” penetration testing.

WHAT IS AN IT HEALTH CHECK?

An IT Health Check is an enhanced penetration test required by government departments, other public bodies and certain companies connected to government systems. It involves much of the same processes and outcomes as a penetration test, but is recognised and mandated by the UK Government. If you work closely with government departments, or are looking for a way of becoming more competitive for government contracts, this is the service for you.

