



IT Health Checks (ITHCs) and Penetration Testing

G-Cloud 14 Service Description

Overview

Arculus's CREST-accredited penetration testing and NCSC CHECK IT Health Checks (ITHC) can provide independent assurance that an organisation's internal and external Cybersecurity meets its requirements.

With new vulnerabilities emerging every day, it is essential to secure your perimeter and remediate vulnerabilities quickly. Using the same techniques and tools as real-world attackers, Arculus pen testers can replicate the actions of an attacker to identify vulnerabilities. While automated scanning provides some basic assurance, our skilled testers will identify false positives so that effort can be focused on areas of real risk.

Our **infrastructure testing** will typically cover your exposed external perimeter such as internet-facing firewalls, proxies, mail gateways, web servers, and remote access services, which must be secured as a first line of defence. We conduct vulnerability assessments as well as more in-depth internal testing, covering configuration and build reviews, against industry and vendor recommendations and good practice, and NCSC guidance. We also carry out specialist testing of mobile devices, including 'lost/stolen device' scenario testing.

Arculus carries out **web application testing** in line with OWASP standards, to ensure that internet-facing applications are securely coded and role-based access controls enforced.

We are specialists in carrying out **Red Teaming** engagements, to provide an "outside-in" test. Starting with open-source intelligence, we will attempt to access your physical premises using social engineering, leading on to network penetration testing. We can also carry out a range of simulated phishing and social engineering engagements.

Security cleared Arculus consultants will assist with scope definition, ensuring that all external and internal testing requirements are met. Arculus will then conduct structured automated and manual testing, exposing vulnerabilities within your estate.

Build and configuration reviews can be carried out as required, clearly communicating threats and risks in your organisational context. Vulnerabilities will be swiftly and accurately identified and explained. Remediation and strategic fix advice will be provided, and consultants will be available to advise during the journey to enhanced security.

Arculus offers assessments across SaaS, PaaS and IaaS hosted locally or within Microsoft Azure, Amazon Web Services (AWS) and on VMWare based and open-source virtualisation platforms.

About Arculus

Founded in 2021 by 3 highly experienced consultants, Arculus is a specialist, independent Cyber Security consultancy. We provide Cyber Security advisory services including conducting Cyber Assessments, Information Risk Management and Assurance, SOC2 consulting and certification, ISO/IEC27001 services, and Data Privacy consultancy.

Our consultants hold industry leading qualifications including NCSC Certified Cyber Professional Scheme (CCP), CISSP, CISM and ISO/IEC27001 Lead Auditor.

Our Penetration Testing and Vulnerability Assessment services are accredited by CREST, a global body ensuring the highest standards of testing and qualifications.

We are NCSC CHECK and CREST-accredited for penetration testing and vulnerability scanning and are specialists in Red Teaming and device-testing and are a Cyber Essentials/Plus Certifying Body. We are able to carry out all types of penetration testing including Web Application, Infrastructure, Cloud based services, Red Teaming and Device Testing.

We can help you secure your digital transformation through our pragmatic solutions, guidance and services. We have a proven track record of successful security outcomes in complex and challenging environments.



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