CSACyber | G-Cloud

SERVICE DESCRIPTION

Specialist Penetration Testing

CSA Cyber's Specialist Penetration Testing delivers deep-dive, expert assessments for technologies that fall outside traditional application or infrastructure testing. Our senior consultants use manual, research-led techniques to uncover vulnerabilities that automated tools routinely miss.

AI & Machine Learning

We evaluate AI/ML models, pipelines, and integrations for risks such as prompt manipulation, model extraction, data poisoning, and insecure deployment patterns.

Embedded Devices

From firmware to hardware interfaces, we identify weaknesses including insecure communications, boot issues, debugging ports, and proprietary protocol flaws.

IoT Ecosystems

We assess devices, cloud platforms, APIs, mobile apps, RF communications, and supply-chain components to ensure end-to-end security.

Research-Led Testing

Our bespoke, research-driven approach uncovers zero-days, undocumented functionality, and adversary-style attack paths.

Operational Technology (OT)

We safely test ICS, SCADA, and PLC environments to expose vulnerabilities without disrupting live operations

BENEFITS

- Deep Specialist Expertise
  Access niche skills across AI, embedded engineering, IoT, hardware, and OT domains.
- Research-Driven Assurance
  Our team continually develops new testing techniques based on real-world threat intelligence and emerging attack methods.
- End-to-End Visibility
  Clear reporting, risk-based prioritisation, and practical remediation guidance aligned with operational reality.
- High-Fidelity Testing
  Manual, scenario-based, and adversarial techniques uncover vulnerabilities that typical scanning tools never detect.
- Flexible Engagement Models
  From one-off assessments to multi-technology testing programmes, we tailor delivery to your requirements.

CREST Security Operations – Security Operations Centre
CREST Incident Management – Incident Response
CREST Security Testing – Penetration Testing
CREST Red Teaming – Intelligence-led Pen Test
CREST Security Testing – Vulnerability Assessment

Assured Service Provider – in association with National Cyber Security Centre – CHECK Penetration Testing

Assured Service Provider – in association with National Cyber Security Centre – Cyber Incident Response: Standard Level

Cyber Essentials

Cyber Essentials Plus

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