CSACyber | G-Cloud

SERVICE DESCRIPTION

CSA Ransomware Simulation

At CSA, we're on a mission to improve the cyber resilience of organisations around the globe. Our Ransomware Simulation service enables organisations of all sizes and maturities to assess and strengthen their ability to withstand a ransomware attack by safely replicating real-world adversary behaviours in a controlled manner.

Rather than simply executing a simulation and producing a report, we work collaboratively with your internal teams to help build, refine, and enhance defensive controls, detection capability, and response processes. Our ransomware assessments simulate the full attacker lifecycle—from initial compromise and lateral movement through to ransomware tradecraft—highlighting gaps across technology, people, and process.

All engagements include both technical and executive debrief workshops to ensure clear understanding, actionable recommendations, and measurable improvements to your defensive posture.

By partnering with CSA, you gain:

- ✓ Deep expertise: Highly certified consultants with real-world offensive and defensive experience.
- ✓ Cutting-edge capability: Continuous research and development ensures our simulation TTPs reflect modern ransomware groups.
- ✓ Defensive insight: Our blend of offensive testing and defensive operations expertise helps you strengthen your detection and response capabilities.

BENEFITS

- Realistic threat simulation mirroring modern ransomware groups' tools, techniques, and behaviours.
- End-to-end assessment of detection capability, response processes, and recovery readiness.
- Safe and non-destructive execution with no impact on production systems or data.
- Visibility of security gaps, including detection blind spots, misconfigurations, and procedural weaknesses.
- Enhanced incident response maturity through practical, scenario-driven testing.
- Clear recommendations with prioritised remediation guidance from CSA Cyber analysts.
- Evidence for governance, audit, and compliance demonstrating proactive resilience testing.

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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