# CyberOne

# Penetration Testing

## Uncover Hidden Vulnerabilities—Before Attackers Do.

## Strengthen Your Security with Real-World Testing

CyberOne's Penetration Testing service simulates sophisticated attack scenarios to uncover vulnerabilities across your IT environment. Our CREST-certified experts leverage cutting-edge tools and ethical hacking methodologies to help you proactively identify and remediate weaknesses before they can be exploited.

## Proactive Vulnerability Discovery

CyberOne's Penetration Testing services provide comprehensive security assessments, helping you identify vulnerabilities and strengthen your cyber security posture with tailored actionable insights.

Our experienced team of CREST-certified testers verifies the abilities of your systems across networks, applications, endpoints and insider threats. We work with you to select the most suitable approach to enable you to identify, evaluate and remediate your vulnerabilities safely, efficiently and quickly.

## Our Approach

At CyberOne, our comprehensive methodology is designed to rigorously evaluate your security posture. We define clear testing scopes, conduct thorough reconnaissance, perform detailed vulnerability analysis and exploitation and follow through with secure clean-up and debriefing. This approach ensures minimal disruption while providing you with actionable insights to bolster your defences.

### 8. Reporting & Debriefing
Written, virtual or face-to-face the in-depth report provides clear recommendations and guidance for remediation.

### 7. Clean-Up
We safely remove the data used in our testing from your systems.

### 6. Pivoting
We attack further assets by leveraging compromised systems.

### 5. Service Exploitation
We attack vulnerabilities to gain access to your systems and data.

### 1. Scoping
We work with you closely to define the scope of the test.

### 2. Reconnaissance
Using publicly available information we build intelligence used to try to compromise your business.

### 3. Mapping
The network infrastructure is fully assessed to gain a complete picture of your attack surface.

### 4. Vulnerability Analysis
An in-depth audit of applications residing on target hosts to identify security vulnerabilities to exploit.

Assured Service Provider — In association with National Cyber Security Centre — Cyber Incident Response (Level 2)

Assured Service Provider — In association with National Cyber Security Centre

CREST | PEN TEST | CSIR | SOC

ISO 27001 Certified — Information Security Management

Microsoft Solutions Partner — Security — Specialist Cloud Security Threat Protection

Microsoft Solutions Partner — Modern Work

Microsoft Solutions Partner — Infrastructure Azure

Crown Commercial Service Supplier

CYBER ESSENTIALS CERTIFIED PLUS

# Types of Penetration Tests We Offer

Our expert ethical hackers use advanced tools and techniques to assess networks, applications, endpoints and wireless systems. We conduct:

## External Network Testing
Evaluate the effectiveness of your perimeter security controls to prevent and detect attacks. This test identifies vulnerabilities in internet-facing assets such as web, email and FTP servers.

## Internal Network Testing
Assess the potential impact of lateral movement within your network. This simulation mirrors insider threats, whether intentional or accidental, to reveal the extent of internal vulnerabilities.

## Web Application Testing
Detect data leakage points within your web applications. We examine your source code for adherence to best practices and check for bugs, particularly during the design phase.

## Mobile Application Testing
Identify platform-specific vulnerabilities in Apple and Android environments. Our assessments expose insecure mobile app functionalities and suboptimal security strategies.

## Wireless Testing
Uncover weaknesses in your wireless architectures to prevent unauthorised network access and data leakage.

## Social Engineering Testing
Test your employees' security awareness by simulating phishing emails, credential theft and unauthorised computer access, ensuring robust human-centric security controls.

# Key Features of CyberOne's Penetration Testing

Learn about the advanced tools, innovative methodologies and tailored testing strategies that form the backbone of our Penetration Testing service. Discover how we simulate real-world attacks to expose vulnerabilities across your business while delivering clear, actionable insights that empower you to enhance your security posture safely and effectively.

### Cutting-Edge Tools & Techniques
Utilise the most advanced methodologies to simulate real-world attack scenarios and detect emerging vulnerabilities.

### Ethical & Professional Standards
Leverage CREST-certified professionals with years of experience working under strict ethical, legal and technically diverse environments.

### Safe & Controlled Engagements
Engage in clearly defined, controlled testing environments that ensure business continuity while exposing vulnerabilities.

### Actionable Insights & Reporting
Comprehensive summary reports and audit-ready insights that convert technical findings into clear, prioritised recommendations for remediation.

### Tailored Testing Strategies
Customised assessments address your unique infrastructure challenges, ensuring targeted and effective security improvements.

### Compliance Support
Supports regulatory requirements with PCI DSS, ISO 27001, GDPR and other frameworks to reduce compliance risk.

# About CyberOne

CyberOne is trusted by some of the world's most admired brands and organisations, dedicated to securing their mission-critical services.

Our 'Resilience Without Compromise' ethos drives us, bringing together the brightest talent and the best technologies, our comprehensive end-to-end cyber security solutions offer complete protection, ensuring resilience against an ever-evolving threat landscape.

Headquartered in the UK, our experienced Global Security Operations Centre (SOC) ensures relentless round-the-clock surveillance, so clients can focus on what they do best.