

# Security Testing for Nonprofits

Powerful yet precise security testing across your applications, platforms and networks — right-sized for charities, associations and schools.

## The benefits

- Identification and mitigation of technical vulnerabilities via tactical recommendations that quickly improve your security posture and protect donor, member and student data.
- Identification and mitigation of the process deficiencies that cause technical vulnerabilities via strategic recommendations your team or IT provider can act on.
- Identification of vulnerabilities early in the project lifecycle — before a new donation portal, CRM or student system goes live — preventing costly re-work and delays.
- Evidence for cyber insurance questionnaires and grant due diligence that your controls are actually tested, not just attested.

All testing is to a pre-defined set of criteria that we report on, enabling you to benchmark your security posture over time on the same systems or between different systems. Findings are explained in plain language, with knowledge transfer to your team so fixes stick.

## Typical security testing services

### External Network Security Assessment

From our cloud based testing laboratory we assess your internet facing services — such as SMTP, WWW, IPSEC and SSL VPN, FTP and DNS — to our pre-defined criteria. Meets and exceeds the typical “network-layer annual penetration test” required by cyber insurers and standards such as PCI-DSS.

### Web Application Security Assessment

We test your web applications — including donation portals and member self-service sites — to criteria aligned with the security controls that prevent the OWASP Top 10 web application security vulnerabilities. Meets and exceeds the typical “application-layer annual penetration test”.

### Internal Network Security Assessment

We attend your premises with our security testing laptops and test the systems supporting your most critical services to our criteria, including client side security — for example, desktop software patching to determine susceptibility to spear-phishing attacks with malware laden attachments.

### Wireless Security Assessment

A site survey identifies approved and potentially rogue wireless access points on your WLAN — including guest and volunteer networks — and whether the WLAN extends outside your premises. We examine configuration settings and test key security controls: encryption, authentication and logging.

## What we test

| Assessment Service                   | Criteria Tested                                                                                                                                           |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| External Network Security Assessment | DNS, FTP, port scanning, SMTP, version and patch levels, and VPN criteria.                                                                                |
| Web Application Security Assessment  | 22 criteria for authentication, 3 for authorisation, 11 for data security, 10 for data validation, 3 for exception handling and 9 for session management. |
| Internal Network Security Assessment | Desktop and desktop SOE criteria, internal network architecture, internal management interfaces and internal port scanning.                               |
| Wireless Security Assessment         | Site survey, wireless authentication, wireless encryption and wireless management interface criteria.                                                     |

## Why CyberShield Nonprofit

### Why do we do this?

The organisations doing the most good often have the least to spend on security. We make a difference to the security of the information Australians entrust to them.

### How do we do this?

We coach rather than just consult — every engagement transfers knowledge to your staff and volunteers so security improvement outlasts the engagement.

### What do we do?

Cybersecurity maturity coaching, security governance, infrastructure security assessment and web application security testing.

### Independent

We have no affiliations with product vendors or system integrators and hence can recommend the best course of action for your organisation without bias.

### An understanding of the sector

Australian owned and operated — we understand the size, scale and operations of Australian charities, associations and schools: small IT teams, volunteer workforces, donor trust on the line.

### Pro bono program

Eligible charities and educational institutions may qualify for free consulting under our pro bono program — just ask.