



Penetration Testing

Simulate cyber attacks on your network to identify vulnerabilities and increase cyber awareness.



Securely Connected Everything™

Understand your cyber attack surface strengths and vulnerabilities with penetration testing.

We take a holistic approach to penetration testing, so every aspect of your network and systems can be tested, allowing identified vulnerabilities and risks to be reported in a clear, prioritised format.

Our penetration testing capabilities include open-source intelligence (OSINT) and operations security (OPSEC) information gathering and black-box testing, which we use to gauge your network's cyber defence capabilities. Where requested, we can retest identified vulnerabilities after your penetration test to ensure all recommended patches have been applied and security gaps closed. Delivered by our CREST-certified cybersecurity specialists, our testing follows globally recognised standards and industry best practice.

Where required, penetration testing can be complemented by Threat & Risk Assessments (TRA) and ISM-aligned security assurance to validate architecture and control effectiveness during design and build.

We will design a robust penetration testing program to help your organisation achieve world-class cyber security.

Key benefits of penetration testing.

-  Validate your cyber security across your entire attack surface and align vulnerability management with key business objectives.
-  Service Delivery Gateway to streamline the penetration testing process.
-  Comply with regulations including data privacy and security, to build customer trust and protect your organisation from penalties.
-  Prioritised and actionable reports to remediate any vulnerabilities and manage risk.
-  Revalidation of testing to ensure patches are applied, firmware is updated and security gaps are closed.

How we help you.

> Web application, website & API testing

Following industry best practice guidelines, our team will simulate attacks on your web applications, websites and APIs to understand your overall security posture. Where access is restricted, we use a Service Delivery Gateway for safe and effective testing. We'll identify potential security vulnerabilities and issue a full report outlining any necessary remediation to improve your security posture.

> Mobile application testing

Using mobile simulation tooling, our team can test your mobile applications (iOS and Android) against industry best practice guidelines. Testing is undertaken to assess how the application behaves with both standard and jailbroken devices.

> Host configuration assessment

Host configuration assessment considers the device configuration of servers (and supporting applications) or other devices against industry best practice. Where our client has their own baseline configuration build process, a comparison of this documentation against the actual host configuration is undertaken.

> Vulnerability assessment

Our penetration testing and vulnerability assessment capabilities include OSINT and OPSEC information gathering as well as black-box testing. We use a combination of industry leading tools and manual assessment techniques to identify potential risk and attack vectors across your organisation's networks and systems to gauge your cyber defence capabilities.

> External attack surface analysis

We map your external attack surface including known and unknown digital assets operated by your organisation or authorised third parties to give you complete visibility of your network. Combined with ongoing penetration testing, this intel allows you to close security gaps before they can be exploited.

> Red, blue & purple teams

Real world cyber attack scenarios using red (attackers), blue (defenders) and purple (combined) teams allow for validation of security processes, uncover vulnerabilities, and provide an opportunity for training and continuous improvement of cyber security processes.

> Attack simulation

Assess your cyber resilience in the real world with an attack simulation. This advanced test of your cyber security defences will target specific potential vulnerabilities and help your team to detect, prevent and respond to future attacks.

> Wireless security assessment

As wireless networks can provide an attack surface that extends well beyond the boundary of your premises, these have become a common target for cyber attack. Our wireless security assessment services help organisations understand their exposure to wireless network compromise, interception and disruption due to cyber attack.

The future feels like this.®

We are a multi-disciplinary technology powerhouse, committed to keeping our customers secure and connected. We partner with our customers to boldly embrace the challenges of tomorrow, ignite innovation, and facilitate growth.

- > **Trusted Partner**
Our customers don't just trust us to keep them productive and secure today, but to prepare them for what's next, to grow with them over time and to collaboratively shape their future.
- > **Strategic Advisor**
With deep expertise in multiple facets of technology, our customers rely on us to provide them with strategic advice and guidance, helping them make smart moves towards a secure future.
- > **Solution Provider**
Our versatile suite of skills enables us to tackle complex challenges for our customers, providing them with complete business solutions that draw from our vast pool of expertise and resources.

Stay connected and protected with Orro®.

Discover how we can help your business and your people with Securely Connected Everything™.

Reach out to the team at Orro today.

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