



randtronics

We have the expertise to keep hackers from getting to the wrong places.

Penetration Testing Services

With data breaches and exposures becoming increasingly more frequent, Randtronics provides a number of professional services designed to detect potential vulnerabilities within your IT environment. Our consultants implement the same tools and techniques as criminal hackers but conduct their activities in an ethical manner to protect your sensitive data.

Randtronics consultants assess your environment from the perspective of an external hacker or trusted insider of your organisation, searching for and mapping out weaknesses within the target applications, computers and networks. We have developed comprehensive testing methodologies aligned to open standards such as OSSTMM (Open Source Security Testing Methodology Manual) and OWASP (Open Web Application Security Project) for reviewing these systems.

The testing performed by our consultants goes beyond an automated vulnerability assessment based on scanning tools: we detect vulnerabilities and demonstrate how and to what extent a hacker could exploit them to breach your networks, servers and applications, threatening the confidentiality, integrity and availability of the systems holding your private confidential business information.

Randtronics security services are performed by trained and highly skilled security consultants. At the end of the assessment, Randtronics delivers a report aimed at informing both management and technical staff of risks to your IT environment. Our consultants remain available at all times to provide ongoing guidance and discuss recommendations.

Our services can be provided periodically as part of an ongoing vulnerability management program. Furthermore, with our independent assessments we can assist you in achieving compliance with security assurance requirements specified in industry regulations and standards such as PCI DSS, ISO 17799/27001, SOX, HIPAA, and APRA.

Randtronics provides security services in the areas of:

- External Penetration Testing
- Internal Penetration Testing
- Web Application Security Assessments
- Application Source Code Reviews

securing your business

External Penetration Testing

With an external penetration test our consultants assess the security of your network infrastructure (routers, switches, firewalls), wireless access infrastructure, servers, operating systems, databases and applications from the viewpoint of an external hacker. Testing can be performed according to a black box or gray box approach simulating hackers with varying degrees of knowledge of your infrastructure. We demonstrate how vulnerabilities could be exploited, resulting in data breaches, and provide remediation guidance.

Internal Penetration Testing

Internal assessments use the same methodology as an external assessment, but they are performed on-site and simulate trusted insiders (rogue employees or contractors) with legitimate access to your corporate network, or external hackers who have successfully breached your perimeter defenses.

Web Application Security Assessments

With a web application security assessment our consultants assess the security of your web-based application or e-commerce portal, identifying vulnerabilities such as broken access controls, SQL injection and cross-site scripting. We demonstrate how web application vulnerabilities could be exploited, resulting in data breaches, and provide remediation guidance. Testing can be performed externally for public-facing web applications or internally for intranet applications. Either a black box or gray box approach can be used, simulating attackers with varying degrees of knowledge of the application.

Application Source Code Reviews

Randtronics provides source code reviews (white box testing) to improve the security of your applications. Our security consultants have extensive software development experience in all major programming languages. We use an efficient and effective review methodology, based on open-source and commercial tools for automated analysis combined with manual review techniques. These reviews can be performed separately or in conjunction with a web application security assessment as both approaches are complementary.

Contact Us

For more information about Randtronics Security Services feel free to Contact Us.

Phone: (612) 8873 1999

Fax: (612) 9870 8560

E-mail contact: sales.team@randtronics.com

Website : www.randtronics.com



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