

Penetration Testing



asureSECURE™

Don't Let Application Vulnerabilities Put Your Business at Risk

The Problem: Why Do Penetration Testing

The volume and value of confidential information is increasing daily and is often less protected than it needs to be. Architects and developers make mistakes that leave vulnerabilities to malicious attacks which are frequently not identified by in-house system testing. High-impact low probability (≤ 0.35) malicious attacks are shifting towards high-impact high probability (> 0.65) events as successful penetrations grew 20% and the average cost per breach increased by 30%.

(Source: Jacob West CTO Enterprise Security Products HP)

The TVS Solution:

Connect penetration testing with the asureSECURE principles of secure Design, Coding and Testing and use TVS's Penetration Tests to target specific areas of risk, prove the application development is being done with security in mind, find vulnerabilities and get good advice on fixing them. The TVS Penetration Testing experts will take care of the highly technical tests and work with your project teams to investigate those hard-to-find vulnerabilities. TVS testing services includes:

- **Web Application Penetration Testing:** TVS will conduct information gathering, analyse the application security features, test configuration management, test client-side and server-side controls, test authentication, test session management, test logic flaws, test access controls, test input vulnerabilities, test function-specific vulnerabilities, test shared hosting vulnerabilities, test application server vulnerabilities, test DOM-based attacks, validate local privacy, test SSL ciphers, test same-origin configuration, and test for information leakage.
- **Network Penetration Testing:** Identify network vulnerabilities by: Infrastructure vulnerability scanning, infrastructure penetration testing, cloud and virtual hosting penetration testing. Vulnerabilities targeted: Weak passwords, weak encryption, insecure ciphers and protocols, man-in-the-middle, un-patched servers and shared server hosting.

The Deliverables:

TVS experts will prepare a Penetration Testing Report that includes detailed information on the identified risks, vulnerability findings and an action plan to apply fixes. If necessary, post-exploitation (clean-up) work such as removing traces, backdoors, and deleting logs will also be conducted.

The Benefits of TVS Penetration Tests:

- Determine the feasibility of attack vectors and validate risk assessments
- Identify vulnerabilities that may be difficult or impossible to detect with automated network or application vulnerability scanning software
- Identify higher-risk vulnerabilities that result from a combination of lower-risk vulnerabilities exploited in a particular sequence
- Assess the potential impacts to business continuity of successful attacks
- Test the ability of defenders to successfully detect and respond to the attacks

Why TVS?

Our penetration testing experts will help you build layered security into your organisation at any and every stage of the Security Development Lifecycle with the minimum of disruption to project development.

Find out more:

visit: asuresecure.testandverification.com



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