

Penetration Testing

How do you *really* know if your sensitive data is secure? Even the best developers can accidentally miss secure coding steps, or fail to implement the latest secure coding practices.

More than 75% of web application compromises are due to SQL injection attacks—attacks that take advantage of insecure code. While many companies rely on automated scanners to detect common vulnerabilities, these scanners might be unable to identify unique vulnerabilities. Manual penetration testing conducted by experienced security experts is the most accurate way to discover vulnerabilities that hackers may use to compromise a network.

As your trusted security and PCI compliance partner, SecurityMetrics provides real-world expertise in the methods professional hackers use to exploit vulnerabilities in your environment. Under your direction, SecurityMetrics penetration test analysts literally hack into your environment, document how they hacked in, and guide you to fix the vulnerabilities and prevent future compromises. SecurityMetrics penetration test analysts work with you before, during, and after your penetration test to discover and eliminate weaknesses in your web applications and network environment that potentially open the door to compromised security, credit card fraud, regulatory fines, and loss of business.

By taking advantage of SecurityMetrics penetration testing you can:

- **Avoid the costs and headaches** of lawsuits, PCI fines and penalties, expensive forensics analysis, and loss of business revenue
- **Enjoy peace of mind** that your sensitive data is secure
- **Protect your reputation and customer loyalty** by avoiding devastating and embarrassing negative publicity associated with compromise

A Higher Standard for Penetration Testing

SecurityMetrics differentiates itself from other penetration testing providers by offering the following:

- Trusted leadership and experience as a full -service PCI compliance partner
- Hands-on, interactive penetration testing conducted by security experts who research system software vulnerabilities and attempt to exploit them
- Extensive testing above and beyond OWASP's Top Ten most critical web application vulnerabilities
- More than just vulnerability identification, SecurityMetrics provides a report that outlines the exploit potential behind each vulnerability with detailed security best-practice steps for remediation
- Ability to communicate your vulnerabilities and needed remediation in terms easily understood by both engineers and managers
- A commitment to take the time to understand your operations and processes, enabling SecurityMetrics to accurately scope the cost and effort of the penetration test
- Simple, straightforward pricing with no hidden charges or add-on fees
- Assurance that when you have questions or support issues you can talk to a live person, not an answering machine or e-mail queue
- Establishment of long-term customer relationships through performance, value, and integrity rather than mandatory long-term contracts

The SecurityMetrics team of analysts leverages its expertise and experience with the newest and most effective attack methodologies to analyze your network security and exploit any hidden vulnerabilities. As part of its full line of PCI compliance and security offerings, SecurityMetrics provides application and external and internal network penetration testing, which includes the following:

1. **Pre-Engagement Conference Call** – Scopes the extent of the penetration test, determining the critical networks and systems to be included.
2. **Custom Price Quote** – SecurityMetrics personalizes each quote to maximize your investment and minimize your price.
3. **Penetration Test Engagement** – Hands-on, interactive testing that utilizes a wide range of attack methodologies, including target profiling, target enumeration, automated testing, service research, application analysis of business logic errors, and intelligent exploit attacks.
4. **Ongoing Communication and Reports** – Communication throughout the engagement regarding identified vulnerabilities and steps for remediation, providing daily progress reports, automatic critical risk reporting, and a comprehensive final penetration test report.
5. **Post-Engagement Webinar** – Shows you step-by-step, during a live webinar, how the SecurityMetrics team entered your system and how to prevent future attacks.

To help you better understand how secure your environment really is, when you engage SecurityMetrics for your penetration test, you will benefit from the following:

- **Full-Service Vendor** – With expertise in PCI assessments, forensic incident response, vulnerability scanning, penetration testing, card data discovery, security appliances, PA-DSS application security assessments, training, and consulting; SecurityMetrics is one of only a few companies that hold credentials for all aspects of PCI.
- **Educated Security Insights** – SecurityMetrics educates you throughout the engagement to help you understand the discovered vulnerabilities, how to remediate them, and how to improve coding practices to prevent

SecurityMetrics leverages its experience with real-world hacking methods to help you harden and secure your environment.

additional vulnerabilities.

- **Accurate and Understandable Results** – SecurityMetrics gives you the facts on every aspect of your penetration test through detailed reports easily understood by both engineers and business managers.
- **Single Point of Contact** – To keep communication lines open and eliminate confusion, SecurityMetrics assigns a single point of contact for your assessment.
- **Fair, No-Surprise Pricing** – SecurityMetrics strives to offer simple and straightforward pricing with a single bid that won't change.
- **No Long-Term Contracts** – SecurityMetrics never locks you into a long-term contract.
- **Follow-up Tests** – Since remediating vulnerabilities can be an iterative process, SecurityMetrics includes up to five follow-up penetration tests to help ensure proper remediation.
- **Responsive Support** – Throughout the penetration test process, SecurityMetrics security analysts are easy to reach and respond quickly to your questions and requests.

SecurityMetrics is a global leader in merchant data security and compliance for all business sizes and merchant levels, and has helped over 1 million organizations manage PCI DSS compliance and/or secure their network infrastructure, data communication, and other information assets. As an Approved Scanning Vendor (ASV), Qualified Security Assessor (QSA), Payment Application Qualified Security Assessor (PA-QSA), Penetration Tester, and Payment Card Industry Forensic Investigator (PFI), SecurityMetrics has the tools available to help businesses achieve lasting security and validate accurate PCI compliance.