

INPEN

Internal Network Penetration Testing

Vulnerabilities can be anywhere on your network. NetSPI's penetration testing service identifies security gaps, provides actionable guidance on how to improve your network security, and helps meet compliance requirements.

Improve Your Network Security

NetSPI's internal penetration test reduces organizational risk and improves network security.

Your IT infrastructure may be susceptible to an internal threat or a cloud-based vulnerability that extends into hosted environments with ties to internal networks. NetSPI's penetration testing simulates the actions of an attacker, producing real-world results on actual vulnerabilities.

During our internal penetration testing service, NetSPI evaluates your network for security vulnerabilities, including patch, configuration and code issues at the network, system and application layers, and provide actionable recommendations for remediation and improving your organization's network security program.

Our Internal Network Penetration Testing Service

NetSPI tests your in scope networks and systems, which may include cloud infrastructure. We follow manual and automated pentesting processes that use commercial, open source, and proprietary software to evaluate your infrastructure from the perspective of an anonymous (non-credentialed) user. However, testing can also be conducted starting from an authenticated perspective.

Our standard testing approach is based on NIST 800-53 special publication, PCI DSS, OWASP Top 10, the MITRE ATT&CK framework and other industry best practices:

- System and service discovery
- Automated vulnerability discovery
- Vulnerability verification
- False positive removal
- Web application vulnerability discovery
- Network protocol vulnerability discovery
- Online password auditing of available interfaces
- Active Directory vulnerability discovery
- Vulnerability exploitation
- System level privilege escalation
- Domain level privilege escalation
- Offline password auditing of Active Directory accounts
- Access sensitive networks, systems, and data to illustrate risk and impact
- Target client specific objectives to illustrate risk and impact
- PCI segmentation testing (as required)

The Benefits of Penetration Testing



Avoid Breaches

Discover your vulnerabilities and exposure, before a breach occurs



Achieve Compliance

Meet security testing requirements from a third party



Improve Security

Learn how to strengthen your network security program



Augment Your Team

Get a fresh set of eyes from penetration testing experts

What is the OWASP Top 10?

In addition to identifying application logic weaknesses, your web application security testing service will target OWASP Top 10 web application vulnerabilities.

The OWASP Top 10 is a list of the most critical security risks to web applications, identified by an industry consensus. Adopting the OWASP Top 10 in your software development and application security testing processes is a strong step in improving application security for your business, your partners, and your customers.

- A01 Broken Access Control**
- A02 Cryptographic Failures**
- A03 Injection**
- A04 Insecure Design**
- A05 Security Misconfiguration**
- A06 Vulnerable and Outdated Components**
- A07 Identification and Authentication Failures**
- A08 Software and Data Integrity Failures**
- A09 Security Logging and Monitoring Failures**
- A10 Server-Side Request Forgery**

The NetSPI Difference

NetSPI delivers industry-leading penetration testing expertise and a vulnerability management platform that makes penetration test results actionable.

- A collaborative team with experience and expertise produces the highest quality of work
- Technology allows more focus on testing and scales to large engagements and multiple ongoing projects
- Consistent processes with formalized quality assurance and oversight deliver consistent results
- Actionable guidance by a trusted partner from the start of the engagement to the end of remediation

To learn more about NetSPI's Internal Network Penetration Testing, visit www.netspi.com or contact us.

About NetSPI

NetSPI® pioneered Penetration Testing as a Service (PTaaS) and leads the industry in modern pentesting. Combining world-class security professionals with AI and automation, NetSPI delivers clarity, speed, and scale across 50+ pentest types, attack surface management, and vulnerability prioritization. The NetSPI platform streamlines workflows and accelerates remediation, enabling our experts to focus on deep dive testing that uncovers vulnerabilities others miss. Trusted by the top 10 U.S. banks and Fortune 500 companies worldwide, NetSPI has been driving security innovation since 2001. NetSPI is headquartered in Minneapolis, MN, and available on [AWS Marketplace](#). Follow us on [LinkedIn](#) and [X](#).