



PENETRATION TESTING SERVICES

What is a Penetration Test?

A measure of the operational effectiveness of security controls, penetration testing demonstrates what a malicious individual could accomplish. Performed under controlled conditions, penetration testing identifies vulnerabilities that can be leveraged by an attacker to gain access, and provides detailed recommendations to proactively implement countermeasures to prevent real world exploitation of identified vulnerabilities.

Why should we have a Penetration Test conducted?

There are many reasons to conduct a penetration tests. All organizations defend against attackers by designing and implementing security controls. The question regularly asked is “are they working as intended?”. A Penetration Test answers this question by validating the investments made in security are effective, identifying those that are not, and providing an organization with the information necessary to prioritize and implement controls.

In addition to due diligence, many organizations are required to have regular penetration tests conducted. These requirements may be driven by regulatory requirements, legal obligations, customer demand, internal policies, or perhaps several of these reasons. A penetration test addresses these requirements, and provides valuable insights to the organization as the security program evolves over time.

Why should HALOCK perform our penetration test?

HALOCK has the **experience**. For over two decades, HALOCK has conducted thousands of successful penetration tests for companies of all sizes, across all industries.

HALOCK’s dedicated penetration test team is highly **qualified**, possess advanced certifications, and are equipped with the labs, tools, and methodologies necessary to consistently deliver quality, **accurate**, detailed, and meaningful results.

HALOCK leverages industry standard methodologies to ensure a thorough and **comprehensive** test is conducted under safe and controlled conditions. HALOCK’s reports are content rich, regularly stand the scrutiny of regulatory requirements, **exceed expectations** of auditors, and frequently receive the praise of our customers. HALOCK does not simply validate automated scans. HALOCK’s **expert** team discovers vulnerabilities not yet published and often not yet discovered. Exploits are pursued, documented step by step, with screen capture walkthroughs, to provide both the technical and visual **clarity** necessary to ensure corrective actions can be prioritized and remediation is **effective**.

While you cannot always choose *if* a penetration test needs to be conducted, you *can* choose the provider that will deliver the results you expect.

What types of penetration tests can be performed?



External Network Penetration Test

Performed remote to the perimeter to simulate an external attack, comprehensive testing focuses on exploiting weaknesses on internet facing hosts and services with the intent of escalating access to the protected environment.



Internal Network Penetration Test

Performed from within, internal attack scenarios are pursued to identify exploits that could be leveraged by a malicious insider, threats from across the wide area network, or the extent a compromised system could be leveraged to escalate access to systems deployed across the local area network.



Web Application Penetration Test

For custom developed web applications, a comprehensive review is necessary to identify vulnerabilities such as SQL injection. The test approach is fully customized to ensure the functionality available to the various users of the web application is comprehensively tested for weaknesses.



Internal Wireless Penetration Test

Wireless penetration tests assess the adequacy of multiple security controls designed to protect access to wireless services. Testing attempts to exploit wireless vulnerabilities to gain access or escalate privileges within private or guest wireless networks.



Onsite Social Engineering Penetration Test

Onsite testing is performed to assess the effectiveness of physical security controls, employee response to suspicious behavior, perimeter defenses, and validate that network security controls prevent an attacker from gaining network access.



Remote Social Engineering Penetration Test

Covert testing designed to validate the effectiveness of user security awareness, incident response, malware defenses, local permissions, and egress protections. Testing involves issuing carefully crafted emails designed to lure users to fictitious "malicious" websites, compromise endpoints, escalate privileges, and establish access to the internal environment.



Remediation Verification Penetration Test Attempts to reproduce vulnerabilities and associated exploits are performed to verify if vulnerabilities have been successfully remediated, providing independent confirmation that corrective measures have been implemented.

What deliverables do HALOCK's penetration tests provide?

The complete results of the penetration test are documented in our content rich **HALOCK Penetration Test Report** which include summary of findings, detailed findings, test timeline, scope and methodology, and supplemental content for context and reference. The comprehensive results document and explain each vulnerability, the impact, evidence, instances observed, and recommendations for remediation. Exploits are visually documented step by step to demonstrate impact and ensure a complete understanding of how the exploit is performed.

About HALOCK

Founded in 1996, HALOCK Security Labs is a thought-leading information security firm, that combines strengths in strategic management consulting with deep technical expertise. HALOCK's service philosophy is to apply just the right amount of security to protect critical assets, satisfy compliance requirements and achieve corporate goals. HALOCK's services include: Security and Risk Management, Compliance Validation, Penetration Testing, Incident Response Readiness, Security Organization Development, and Security Engineering.