



# PENETRATION TESTING

Identify vulnerabilities to the latest cyberthreats

How vulnerable is your organization to a cyber-attack? Many organizations will build their security program defenses to protect against internal and external attacks; however, systematic testing of those defenses is often ignored completely or only minimally tested. SageNet has a Penetration Testing (Pen Testing) service offering designed to help identify specific vulnerabilities in a meaningful way such that defenses can be hardened and the environment be made more secure.

SageNet's Pen Testing services can be performed to simulate an internal, external, or onsite attack of an environment through leveraging the tools, techniques, tactics, and procedures of a real-world attacker.

## METHODOLOGY

The SageNet cybersecurity team follows a multi-phased approach to any Pen Test: Reconnaissance, Vulnerability Identification, Vulnerability Exploitation, Post-exploitation, Clean Up & Reporting. Collectively, the phases represent a level of effort that is designed to fulfill a thorough and systematic test against an environment and that delivers much deeper insight, as well as results, over a simple toolset scan of a network. Following this methodology allows SageNet to deliver real value to our customers.

## SCOPE OF SERVICES

SageNet's Pen Testing services can be customized and delivered to satisfy the specific requirements of your organization. Pen Testing service options are as follows: Internal, External, Web Application, Mobile Application, and Social Engineering.

## REMEDIATION & WORKING TOWARDS SUCCESS

The overall goal of SageNet's cybersecurity services is to help advance our customers' information security programs, and Pen Testing is no different. With Pen Test results, SageNet can work with our customers to help remediate security vulnerabilities, gaps, or flaws within an environment. SageNet has a full suite of cyber and managed security services to help you achieve success with your information security program.



## Testing Services

- Internal
- External
- Web Application
- Mobile Application
- Social Engineering

# PENETRATION TEST OVERVIEW

## External Penetration Test

An external Penetration Test helps harden your perimeter by identifying vulnerabilities in publicly available IP addresses. This assessment best simulates the path a real attacker may take to infiltrate an organization.

Testing includes, but is not limited to:

- Port scanning
- System fingerprinting
- Identifying information leakage
- Service enumeration

Testing engagement includes a technical report with a summary of results including any identified security issues, categorized by severity and remediation recommendations.

*\*Pricing will vary based on size and complexity of environment*

## Internal Penetration Test

An internal Penetration Test is used to simulate a malicious insider or assumed breach situation after an event has occurred on the network. This assessment validates security controls and helps identify weaknesses on an internal network.

Testing identifies/evaluates the following:

- Gaps in policies
- Secure handling of credentials
- Domain rights/permissions
- Password complexity
- Secure implementation/configuration of third party solutions
- Database security
- Verification of server/desktop hardening
- Network device/configuration
- Security of internal web applications (limited & contingent upon time/scope)

Testing engagement includes a technical report with a summary of results including any identified security issues, categorized by severity and remediation recommendations.

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## Optional Services

- Social engineering
- Physical Penetration Test
- Web application Penetration Test
- Wireless Penetration Test
- Compliance Testing (PCI, NIST)
- Remediation verification/retest



To learn more about SageNet Cybersecurity Penetration Testing Services, visit [www.sagenet.com/cyber](http://www.sagenet.com/cyber) or call 1-866-480-2263.

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Tulsa | Washington, D.C. | Atlanta | Chicago  
866.480.2263 | [www.sagenet.com/cyber](http://www.sagenet.com/cyber)