



# Comprehensive Security Assessment

**A tried, tested, and proven methodology to conduct superior security assessments**

By focusing on protecting the right assets from the right threats with the right measures, Foundstone® Services—part of the Intel® Security product and services offering—helps you achieve the highest levels of assurance and business value from your security investments.

Protecting the right assets from the most severe threats begins with securing all devices connected to your network. Foundstone consultants identify and thoroughly test potential points of attack after enumerating every live host, open port, and available service in order to identify all vulnerabilities. They then focus on areas where a compromise would have the greatest impact and create the highest risk to your business. We also understand the policies and regulations that drive the need for security, especially for ecommerce and financial services. Our analysis is not disruptive to your organization, with minimal or no impact on staff and business productivity.

## Benefits

The Foundstone Comprehensive Security Assessment offering gives you the best of both worlds by performing a penetration test as a subcomponent of the External Security Assessment.

- Enables you to see if your network can be penetrated from the outside.
- Gives you a comprehensive list of all security vulnerabilities on your perimeter network.
- We offer a vulnerability assessment that utilizes McAfee Vulnerability Manager software. The assessment provides a rapid and efficient inventory of the devices, services, and vulnerabilities of Internet-connected networks.

## Methodology

A typical comprehensive security assessment consists of the following assessment areas:

- External assessment
- Firewall assessment
- VPN assessment
- Wireless security assessment
- Social engineering
- Server configuration assessment
- Microsoft Windows assessment
- Unix environment assessment
- Network architecture assessment

- Mobile security assessment
- VoIP security assessment (if applicable)
- Physical security assessment

## Footprint Analysis and Information Gathering

The footprinting and information gathering phase results in a detailed blueprint of your company's network and its security profile—the two major components to measuring the network's overall risk. We gather domain names, IP network ranges, and information about hosts, such as operating systems and applications.

## Deliverables

Our deliverables include:

- Comprehensive Security Assessment Technical Report.
- Executive Summary Report.
- Next-Step Recommendations.
- Half-Day Presentation and Results Review Workshop.

## Vulnerability Scanning

The information gathered during the footprint analysis and information gathering phase is used to perform the vulnerability scanning phase and penetrate vulnerable systems. Foundstone consultants take a holistic view of the network and chain multiple, low-risk vulnerabilities in order to achieve a high level of access into the target network. This vulnerability linking typically culminates in pilfering sensitive data such as password hashes, restricted databases, or attaining specific trophies that your company identifies.

## Manual Vulnerability Verification

Our consultants go the extra mile during our security assessment and perform manual verification of the discovered vulnerabilities to minimize the number of false positives, thus saving you time during the remediation process. Manual checks are performed to ensure that the operating systems are properly identified and version numbers are correct to the best of our knowledge.

## Penetration Testing

Penetration testing provides the most thorough test of internal defenses available. Foundstone consultants scrutinize all hosts in-scope for any weakness or sliver of information that could be used by an internal attacker to disrupt the confidentiality, availability, or integrity of your systems.

## Vulnerability Analysis

The last step of our Comprehensive Security Assessment methodology is vulnerability analysis. An in-depth analysis of your vulnerabilities is performed to determine the systemic causes and to develop strategic recommendations. Foundstone consultants then categorize and prioritize the strategic recommendations by people, process, and technology. This information seamlessly feeds into our next-step recommendations specific to your organization.

## Discounted Retesting

Foundstone partners with your organization in attaining its strategic security goals. At the conclusion of this engagement, we list all discovered vulnerabilities based upon a ranking of high, medium, and low. At a discounted rate, we perform a retest of each of the discovered vulnerabilities within three months of the completion of your engagement. This allows you to validate that your security remediation efforts resolved all discovered vulnerabilities. Please contact a sales representative for pricing information.

## The Foundstone Difference

All Foundstone projects are managed using our proven Security Engagement Process (SEP) for project management. This process ensures continual communication with your organization to ensure the success of all your consulting engagements.

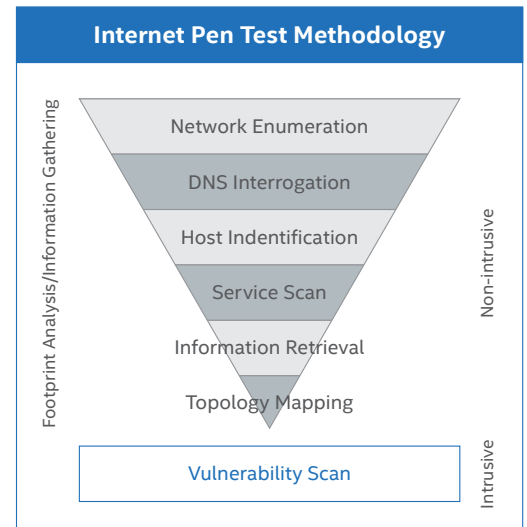


Figure 1. Foundstone Penetration Testing Methodology.

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## Foundstone Services

### Related Foundstone Services

- Policies and Process Health Check.
- Policies and Process Program Development.
- Foundstone Training.
- Comprehensive Network and Infrastructure Security Assessment.

### Learn More about Foundstone Services

Fill the gaps in your information security program with trusted advice from Foundstone Services—part of the Intel Security global professional services organization that provides security consulting, customized product deployments, and training and advisory services. Let our consultants help your organization assess current policies, create new programs that meet compliance goals, and cost-effectively prepare for security emergencies. Speak with your technology advisor about integrating our services. You can get more information at [www.foundstone.com](http://www.foundstone.com).

