



Vulnerability Scanning

A Risk-assessment Service for discovering Security Holes in IP Networks



Vulnerability Scanning - What is it?

The HEAnet Network Vulnerability Service is a no-cost, risk-assessment service for discovering security holes in a client's IP network.

It allows HEAnet clients to closely examine their networks for faults that, if not fixed, could become serious threats to their organisation's network security.

This powerful tool allows member institutions to probe their network's Internet-facing devices, identifying any aspects of it that may be vulnerable to attack or be compromised. It seeks out security holes and bugs in host operating systems and application software that could cause serious issues.

The HEAnet Network Scanning Service is provided as part of HEAnet's service to clients and is covered by existing Client Service Agreements.

Why do I Need Vulnerability Scanning?

The need for IT departments to have a thorough, dependable way to check their network for vulnerabilities is more pressing than ever.

This service, based on Tenable's powerful Nessus vulnerability scanner, allows IT departments to gain a detailed overview by conducting a complete network scan.

The service sequentially examines all aspects of the network in order to locate vulnerabilities, logs them, and delivers a detailed report upon completion.

With an improved reporting process and the ability to specifically scan for the very latest vulnerabilities and security concerns (e.g. Heartbleed, POODLE vulnerabilities), this tool can highlight instances where the institution may be at risk.

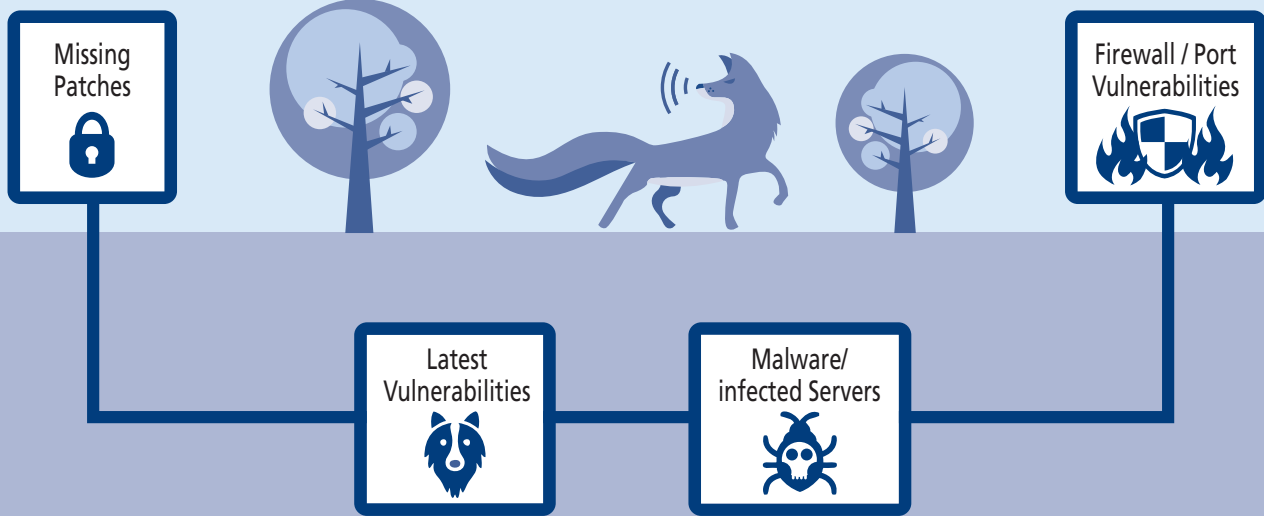
Routine use of the vulnerability scanning tool forms part of an effective risk mitigation process. This is one of the most useful tools that can be deployed in a risk-minimisation plan. It could unearth vulnerabilities that standard "eyes-only" scanning misses.

Part of an Integrated Strategy



By using this service to gather detailed information in a structured manner, an IT department can stay fully informed as to the state and readiness of the network, via clearly defined risk levels.

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Vulnerability Scanning provides:



Accurate "snapshot" of the security status of a client network



Deep Scanning, ensuring all system aspects are inspected



Improved reporting process, providing ready "to-do-list" for IT staff to act upon

Food for Thought



74% of web attacks still using simple exploits in executed code



Low employee security awareness still ranked as # 1 security inhibitor



4 in 10 organisations now carrying out full system scans at least monthly

Infographic Sources

BIS Cyber Security Breaches Survey 2014 (PWC)

Global State of Information Security Survey 2015 (PWC)

Verizon 2014 Data Breach Investigations Report

2015 Cyberthreat Defense Report (Tenable)

HEAnet's Vulnerability Scanning service makes use of Nessus (Tenable) and Outpost24 deep scanning tools - leading solutions in the information security industry.



Contact HEAnet



Vulnerability Scanning support is provided by the HEAnet NOC.
Email: noc@heanet.ie or call 01-660-9040, Monday to Friday, 09:00 - 17:30.

The HEAnet NOC is committed to ensuring every client receives a consistent, responsive service with an emphasis on minimising client disruption.