Automated Network Tester

Brief Description. A tool that when given a network address/ip address that is publicly available or connected to, will run automated tests using network scanning, vulnerability and information gathering tools and present it to the user

Indicates how many vulnerabilities can be found on the network(open ports, protocols enabled, lack of authentication protocols)

Technologies.

(1) Python, Shell Script,

(3) Git

(4) bash built in tools/kali tools

(5) NMAP

(6) Subdomain Enumeration tools

(7) PyQt5

Full Description.

Mandatory.

Port scanning

Protocol connection attempts(SSH, Telnet, ICMP, etc)

Domain enumeration

Discretionary.

Vulnerability testing along with reconnaissance.

Exceptional.

Portable: Runs on multiple platforms (Windows, Linux);

GUI: Has a GUI;

Release: Release quality product.