



PROJECT

PENETRATION TESTING

VULNER



Objective

Create a script that maps network devices for ports, services, and vulnerabilities.

Functions

1. Getting the user input

The user enters the network range, and a new directory should be created.

```
File Actions Edit View Help
kali@kali:~$ ./vulner.sh 192.168.10.0/24

[*] Mapping the range 192.168.10.0/24

[+] Directory created: 192.168.10.0
```

2. Mapping ports and services

The script scans and maps the network, saving information into the directory. Available tools: nmap, masscan

```
File Actions Edit View Help

GNU nano 5.8 vulner.sh *

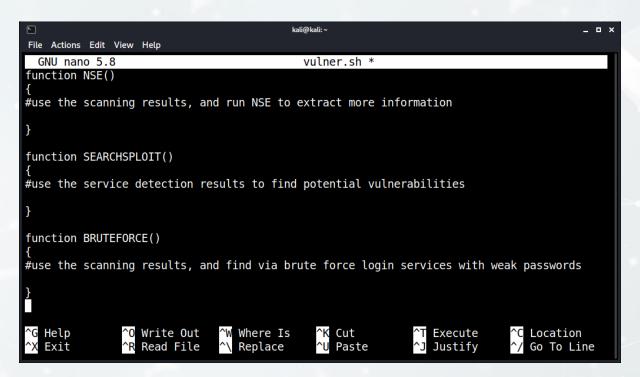
function SCAN()
{
#scan for ports and services; saving results to filter and analyze
}
```



3. Mapping vulnerabilities

The script will look for vulnerabilities using the **nmap scripting engine**, **searchsploit**, and **finding weak passwords** used in the network.

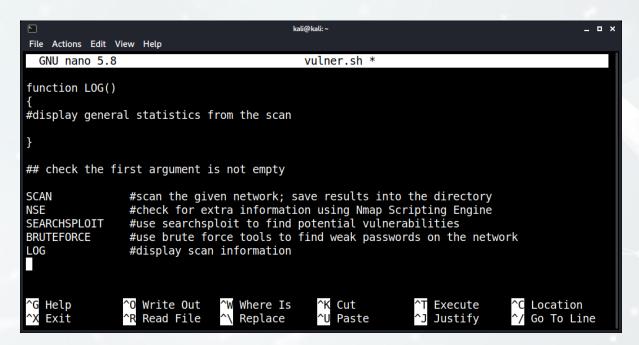
Available tools: nmap, searchsploit, hydra, medusa





4. Displaying results

At the end of the scan, show the user the general scanning statistics.





Comments

- 1. Use comments in your code to explain.
- 2. If you are using code from the internet, add credit and links.

Submitting

- 1. Submit the source code (.sh) and a pdf file with the screenshots proving the functions work.
- 2. Send the project to the trainer email.
- 3. In the email subject type project: Vulner < student name >.