Assignment

Date Assigned: Oct 15, 2021

Submission Date: Oct 24, 2021

Objective:

The objective of this assignment is to get hands-on expertise with nmap, directory reconnaissance and password cracking.

Task1:

Lab Setup:

- ➢ You are required to download Symfonos vulnerable machine from vulnhub.
- ➢ Download Link: https://www.vulnhub.com/entry/symfonos-4,347/
- ➢ Import the vulnerable machine on virtual box or VMware.
- ➢ Consider Symfonos4 vulnerable machine as your target. With that you need to run your KALI machine in order to complete the below tasks.

TASKS:

a. You are required to identify the ports, services running. You can use nmap.
b. Use NSE to find any vulnerabilities
c. Identify the services and check whether the machine have hosted any web application
d. If there is any web application, try to run on browser and try to find other pages/directories. You can use DirBuster or any other tool.
e. If there is any web application, try to find web based vulnerabilities using automated scanners like NIKTO, OWASP-ZAP

NOTE: You need to store the results in cherry tree or any other tool and you will share the evidence in the report. One final screenshot is enough.

Task 2:

Crack the following hashes using any utility online or offline. You need to identify the type of hash and then you need to write proper cracked keyword. You may use any wordlist. For reference You can follow the hydra documentation on the following link

https://www.kali.org/tools/hydra/

Sr. #	HASH	Hash Type	WORD
1	772f55fa1e7c2270129eab7b11325c9368d846bc0b84567f371f6788827847ed		
2	18024DF7E2D4E066F88D7FEEDB92935C		
3	6ceb229b68da55cb173393225101f8c8		
4	428279bfa197e8d684fad599032c5a3f789bc0af		
5	7c2dc613c0b522184dc9ad9f153d130877203407512de9e2096c5a1bafb50ab9 7dad74feb91f79eb23aaf4d24db1ee3053551f8aea87f4c32242485e6faf828e		

Instructions:

1. You need to submit the report of the tasks. The report should be in your own words and plagiarism free. You are also required to add screenshots in your report and those screenshots should properly refer.

2. Total marks: 40

   Task 1 marks: 25

   Task 2 marks: 15

3. Submit your assignment before deadline.

4. ***Overall report has quality marks and can be deducted in any question in case of poorly written report.**

5. **Plagiarism allowed 10%**

6. **Zero marks will be awarded in case of 10% + plagiarism.**

7. All other discussed policies will be applied.

8. Submit google doc and PDF file.