Ex. No.: 3 **Date:20.08.2024**

PASSIVE AND ACTIVE RECONNAISSANCE

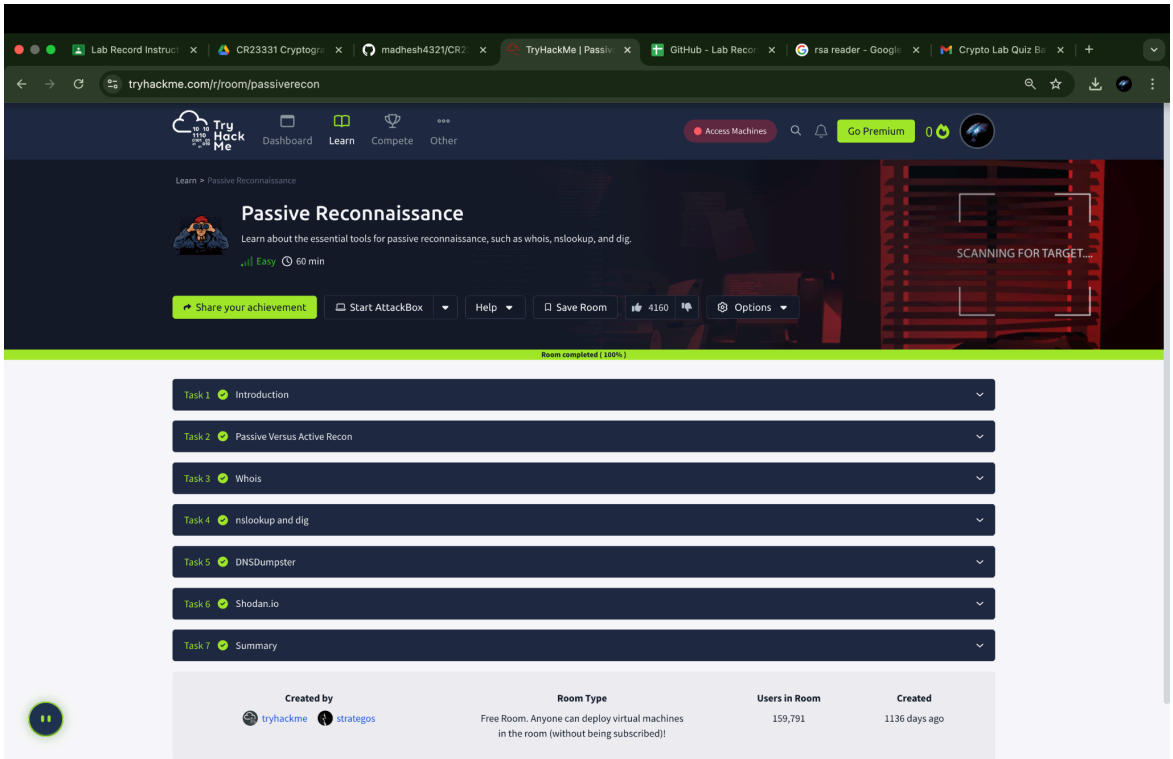
Aim:

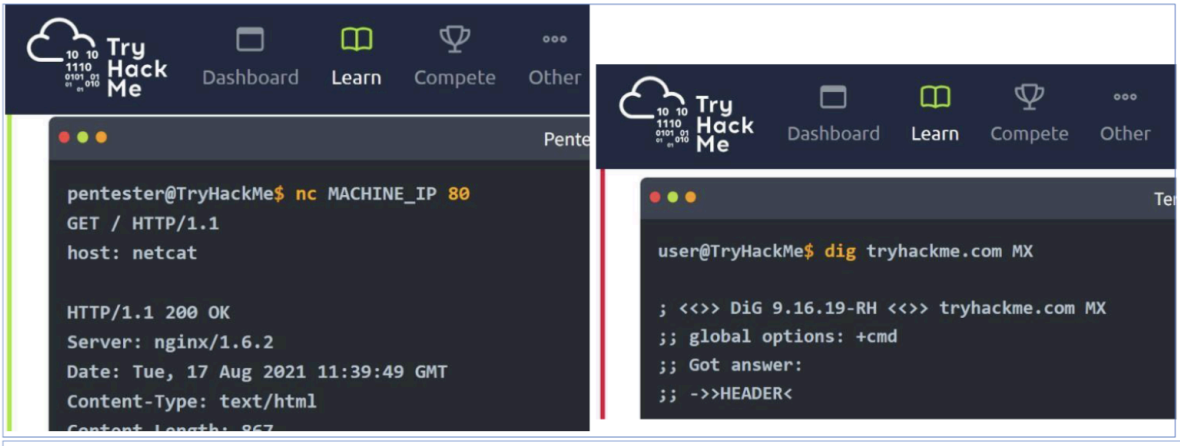
To perform passive and active reconnaissance in TryHackMe platform.

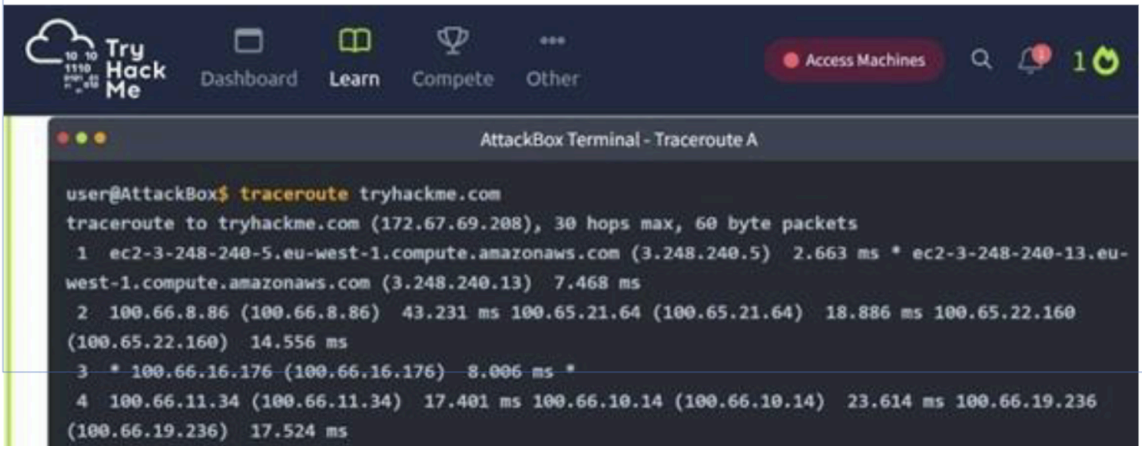
Algorithm:

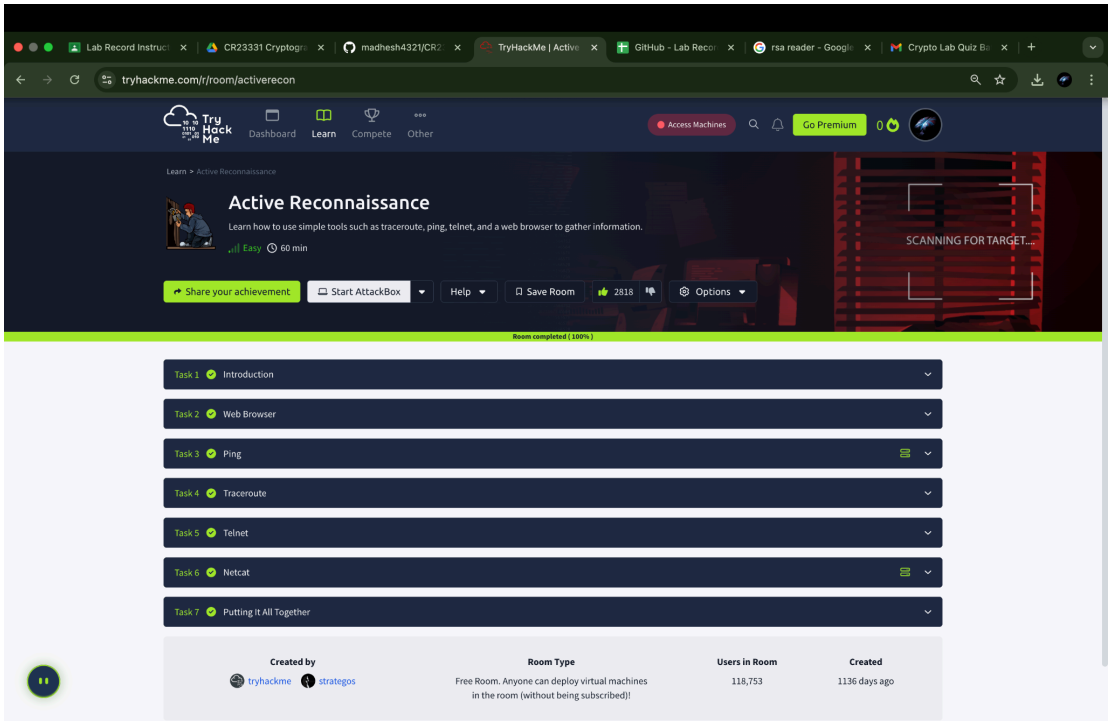
1. Access the Passive reconnaissance lab in TryHackMe platform using the link below- https://tryhackme.com/t/room/passiverecon
2. Click Start AttackBox to run the instance of Kali Linux distribution.
3. Run whois command on the website tryhackme.com and gather information about it.
4. Find the IP address of tryhackme.com using nslookup and dig command.
5. Find out the subdomain of tryhackme.com using DNSDumpster command.
6. Run shodan.io to find out the details- IP address, Hosting Company, Geographical location and Server type and version.
7. Access the Active reconnaissance lab in TryHackMe platform using the link below- https://tryhackme.com/r/room/activerecon
8. Click Start AttackBox to run the instance of Kalilinux distribution.
9. Perform active reconnaissance using the commands, traceroute, ping and netcat.

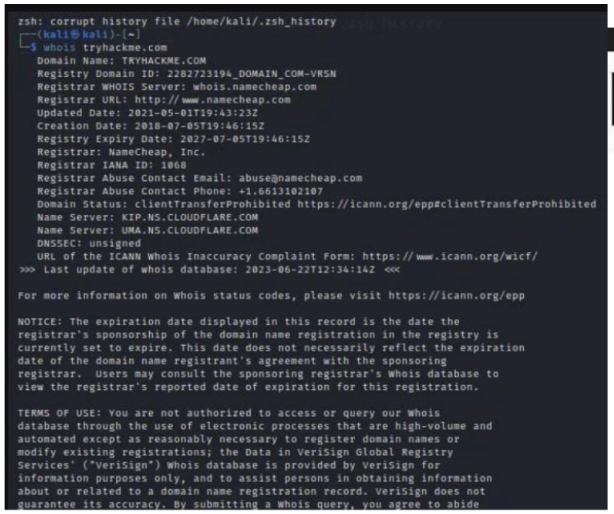
Output:

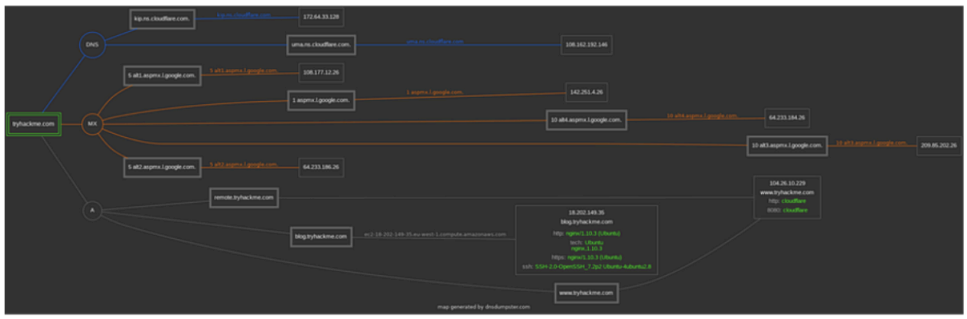



Try Hack Me
Dashboard
Learn
Compete
Other
pentester@TryHackMe$ nc MACHINE_IP 80
GET / HTTP/1.1
host: netcat
HTTP/1.1 200 OK
Server: nginx/1.6.2
Date: Tue, 17 Aug 2021 11:39:49 GMT
Content-Type: text/html
user@TryHackMe$ dig tryhackme.com MX
; <<>> DiG 9.16.19-RH <<>> tryhackme.com MX
;; global options: +cmd
;; Got answer:
;; ->>HEADER<


Try Hack Me
Dashboard
Learn
Compete
Other
Access Machines
AttackBox Terminal - Traceroute A
user@AttackBox$ traceroute tryhackme.com
traceroute to tryhackme.com (172.67.69.208), 30 hops max, 60 byte packets
1 ec2-3-248-240-5.eu-west-1.compute.amazonaws.com (3.248.240.5) 2.663 ms * ec2-3-248-240-13.eu-west-1.compute.amazonaws.com (3.248.240.13) 7.468 ms
2 100.66.8.86 (100.66.8.86) 43.231 ms 100.65.21.64 (100.65.21.64) 18.886 ms 100.65.22.160 (100.65.22.160) 14.556 ms
3 * 100.66.16.176 (100.66.16.176) 8.006 ms *
4 100.66.11.34 (100.66.11.34) 17.401 ms 100.66.10.14 (100.66.10.14) 23.614 ms 100.66.19.236 (100.66.19.236) 17.524 ms


tryhackme.com/r/room/activerecon
Try Hack Me
Dashboard
Learn
Compete
Other
Access Machines
Go Premium
Learn > Active Reconnaissance
Active Reconnaissance
Learn how to use simple tools such as traceroute, ping, telnet, and a web browser to gather information.
Easy
60 min
SCANNING FOR TARGET...
Share your achievement
Start AttackBox
Help
Save Room
2818
Options
Room completed (100%)
Task 1 Introduction
Task 2 Web Browser
Task 3 Ping
Task 4 Traceroute
Task 5 Telnet
Task 6 Netcat
Task 7 Putting It All Together
Created by
tryhackme
strategos
Room Type
Free Room. Anyone can deploy virtual machines in the room (without being subscribed)!
Users in Room
118,753
Created
1136 days ago





Result:

Thus, the passive and active reconnaissance has been performed successfully in TryHackMe platform.