Ex. No.: 3 **S.KEERTHANA**

Date : 13.09.2024 **231901022**

PASSIVE AND ACTIVE RECONNAISSANCE

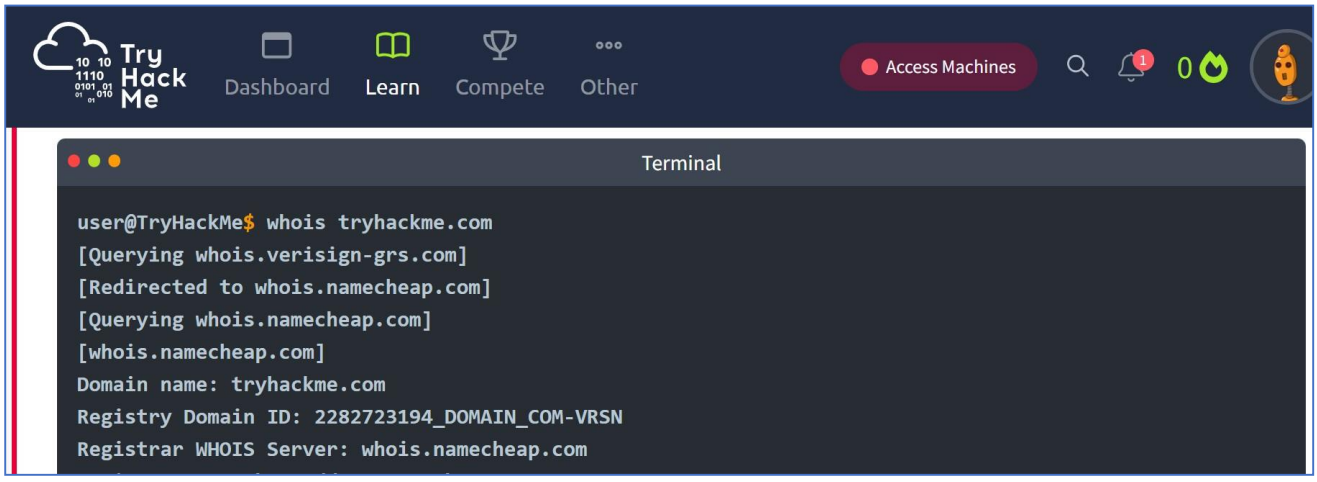
Aim:

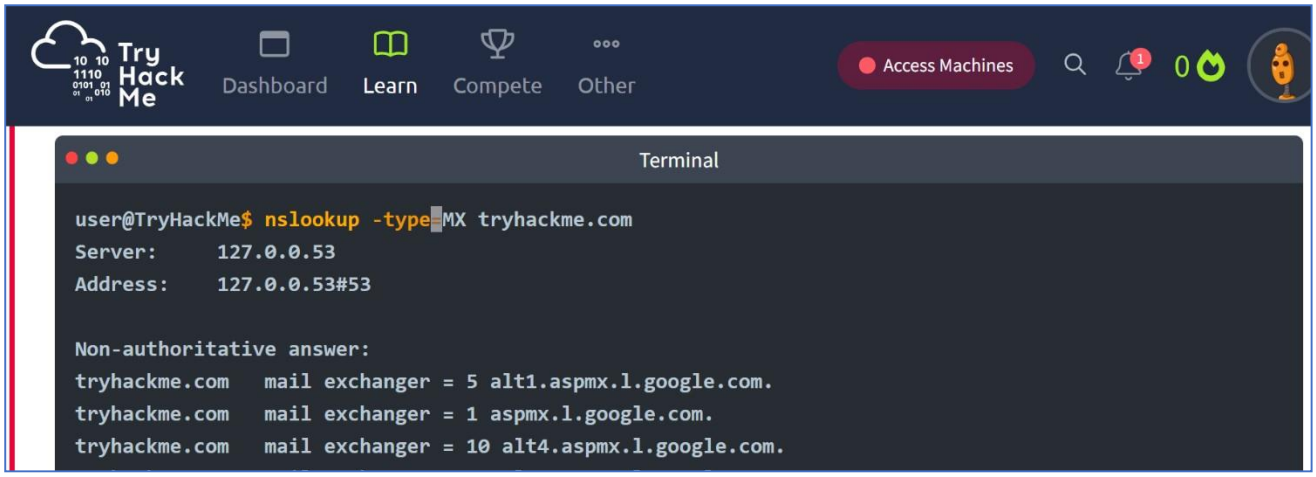
To do perform passive and active reconnaissance in TryHackMe platform.

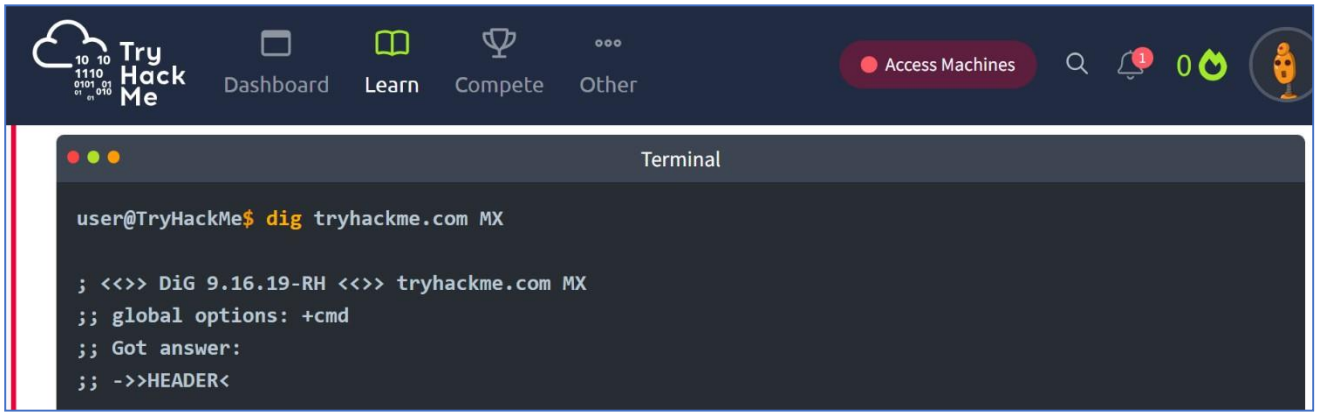
Algorithm:

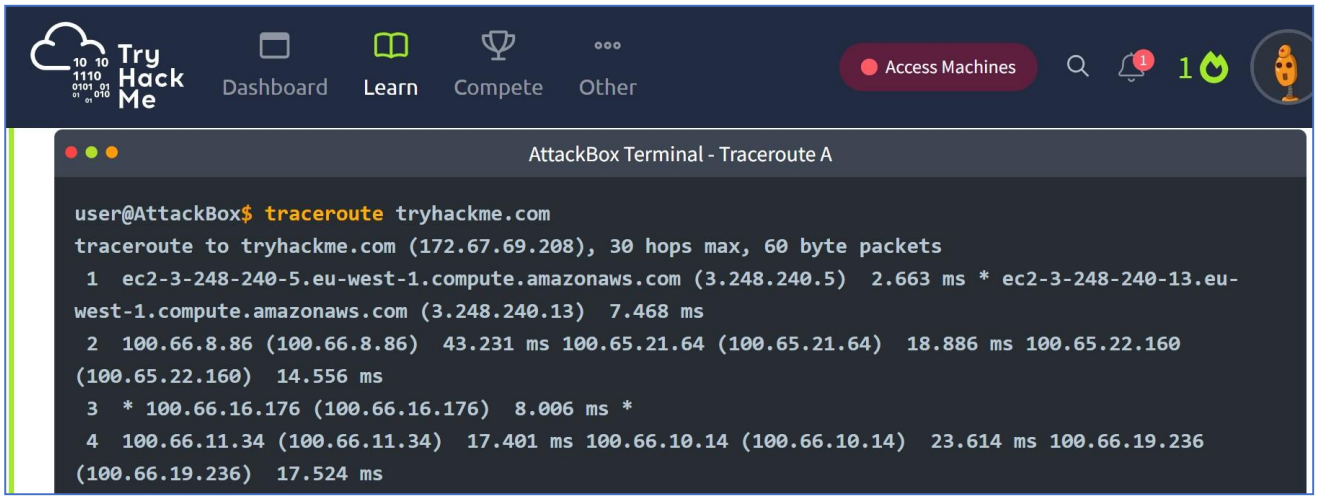
1. Access the Passive reconnaissance lab in TryHackMe platform using the link below- https://tryhackme.com/r/room/passiverecon
2. Click Start AttackBox to run the instance of Kali Linux distribution.
3. Run whois command on the website tryhackme.com and gather information about it.
4. Find the IP address 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
Access Machines
0
Terminal
user@TryHackMe$ nslookup -type=MX tryhackme.com
Server: 127.0.0.53
Address: 127.0.0.53#53
Non-authoritative answer:
tryhackme.com mail exchanger = 5 alt1.aspmx.l.google.com.
tryhackme.com mail exchanger = 1 aspmx.l.google.com.
tryhackme.com mail exchanger = 10 alt4.aspmx.l.google.com.


Try Hack Me
Dashboard
Learn
Compete
Other
Access Machines
0
Terminal
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
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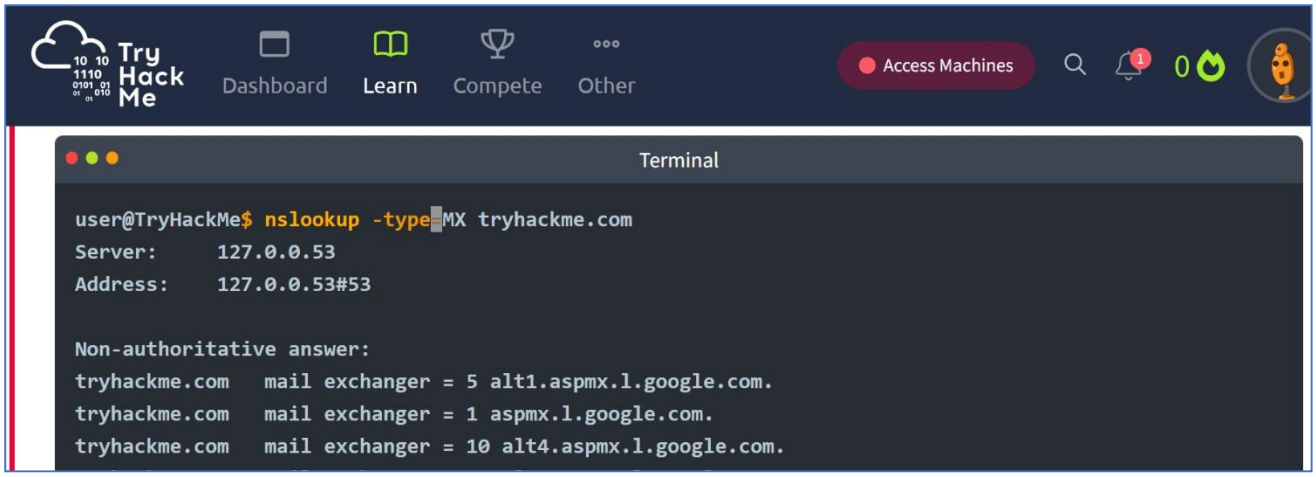
Other
Access Machines
1
AttackBox Terminal - Traceroute A
user@AttackBox$ traceroute tryhackme.com
traceroute to tryhackme.com (172.67.69.208), 30 hops max, 60 byte packets
1 ec2-3-248-240-5.eu-west-1.compute.amazonaws.com (3.248.240.5) 2.663 ms * ec2-3-248-240-13.eu-west-1.compute.amazonaws.com (3.248.240.13) 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



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