**Ex. No.: 3** **Date:13-09-2024**

## 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-**

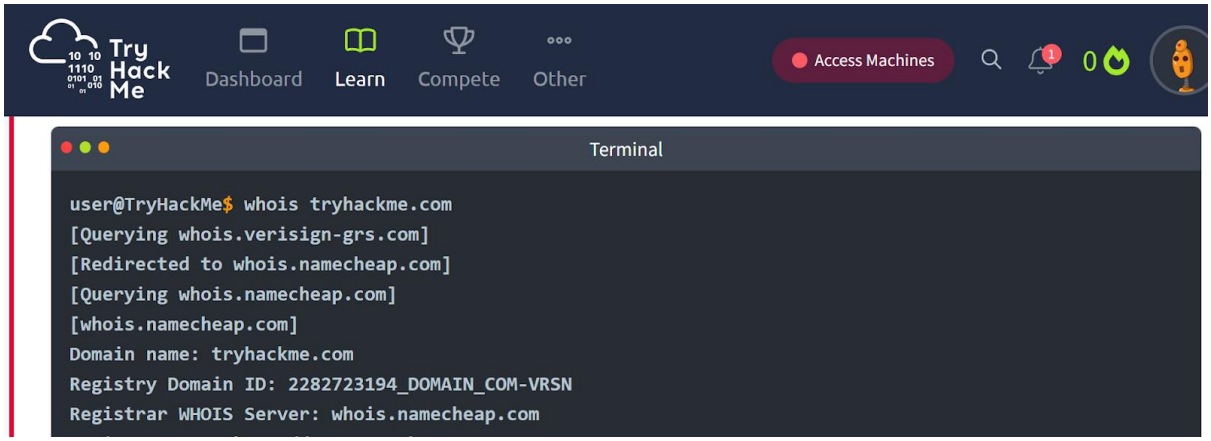
**https://tryhackme.com/r/room/passiverecon**

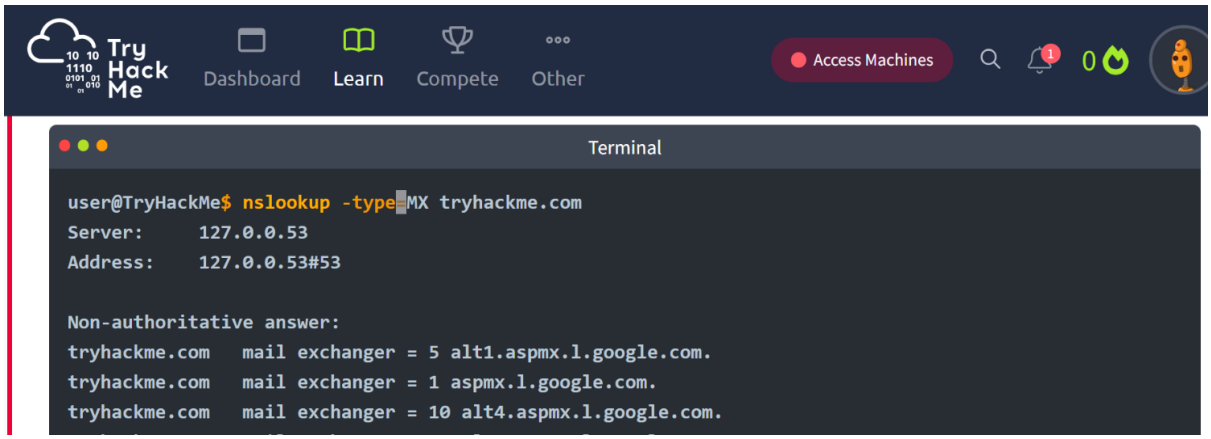
2. **Click Start AttackBox to run the instance of Kali Linux distribution.**
3. **Run whois command on the website tryhackme.com and gather information about it.**
4. **Find the IP address of tryhackme.com using nslookup and dig command.**
5. **Find out the subdomain of tryhackme.com using DNSDumpster 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-**

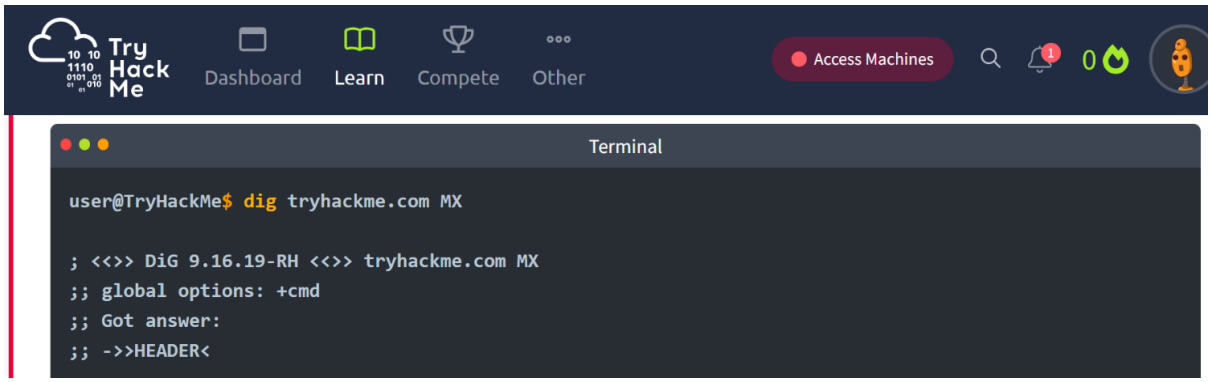
**https://tryhackme.com/r/room/activerecon**

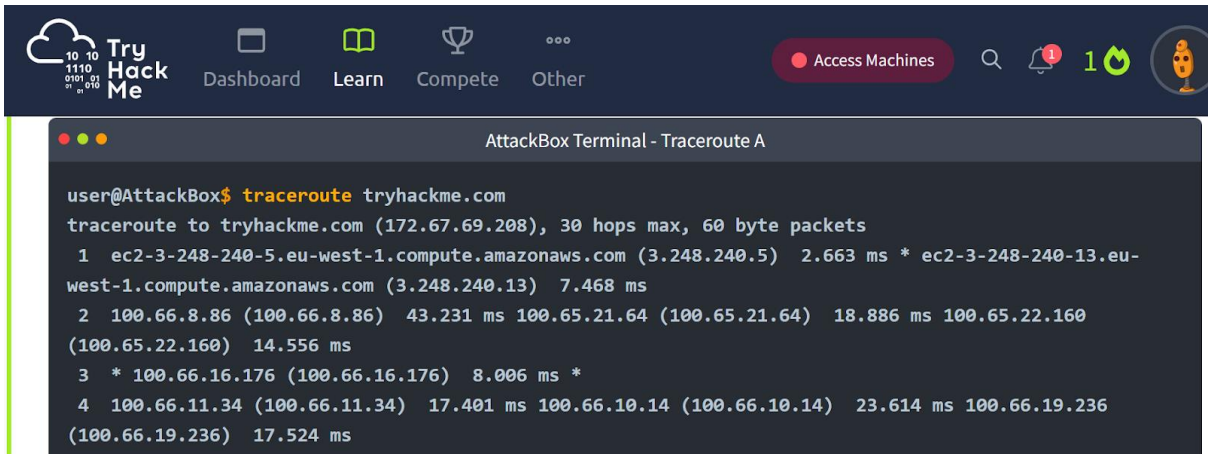
8. **Click Start AttackBox to run the instance of Kalilinux distribution.**
9. **Perform active reconnaissance using the commands, traceroute, ping and netcat.**

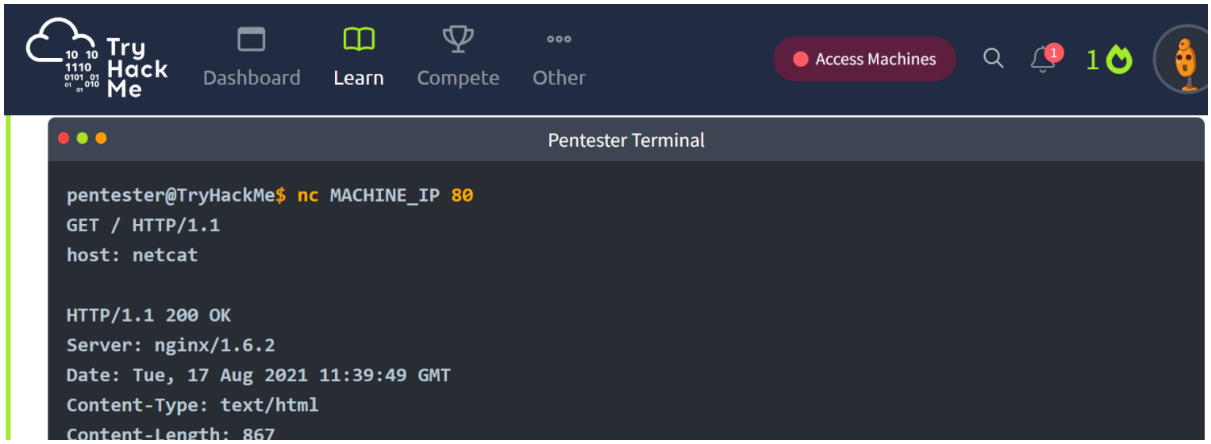
**Output:**




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
Compete
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.**