Ex. No.: 3 **Date:26.08.2025**

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.

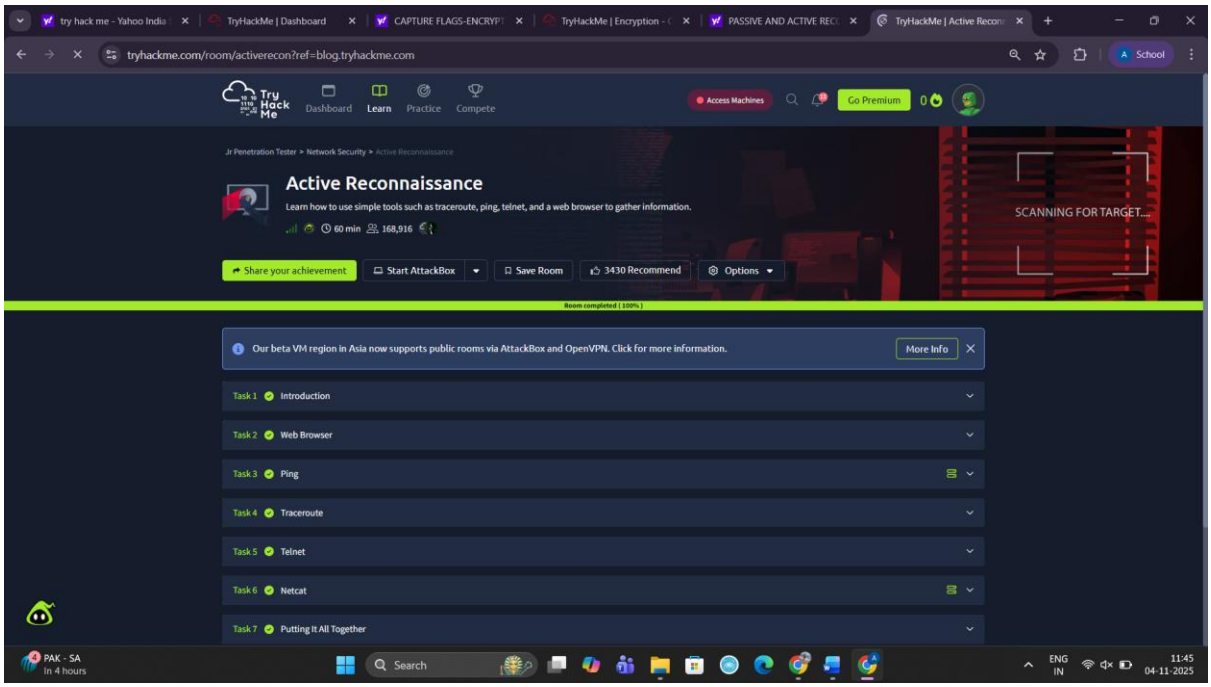
7. Access the Active reconnaissance lab in TryHackMe platform using the link below-

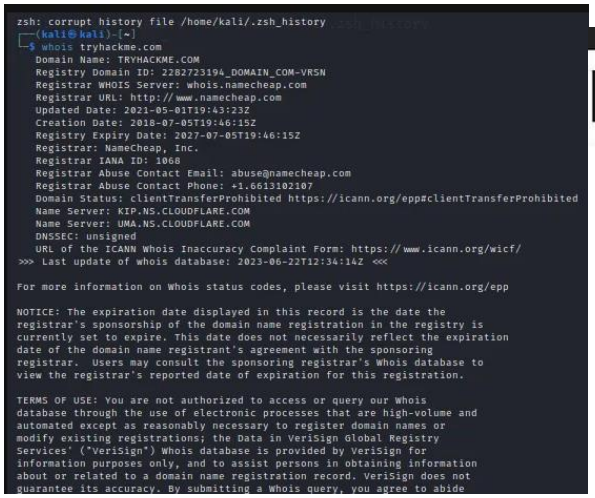
https://tryhackme.com/r/room/activerecon

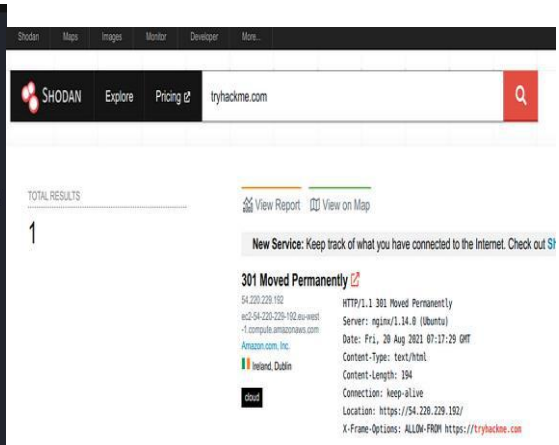
8. Click Start AttackBox to run the instance of Kalilinux distribution.

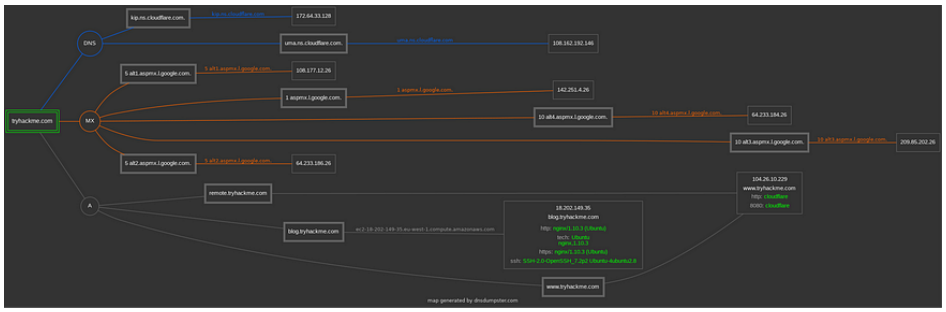
9. Perform active reconnaissance using the commands, traceroute, ping and netcat.

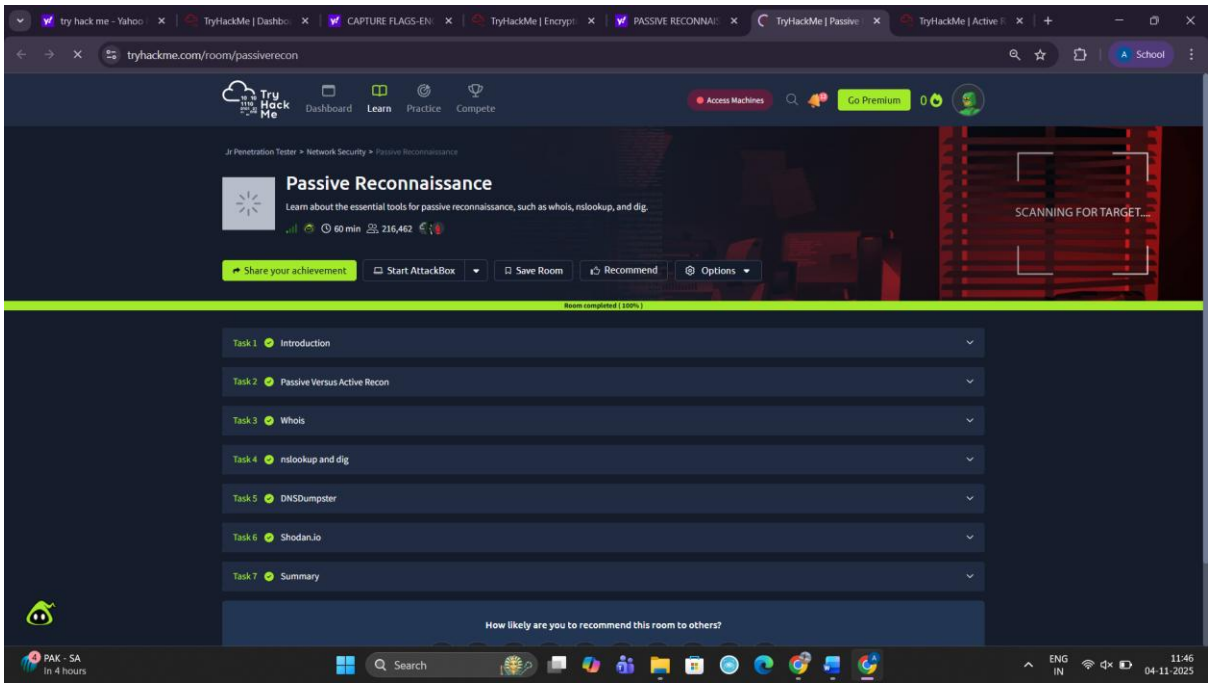
Output:

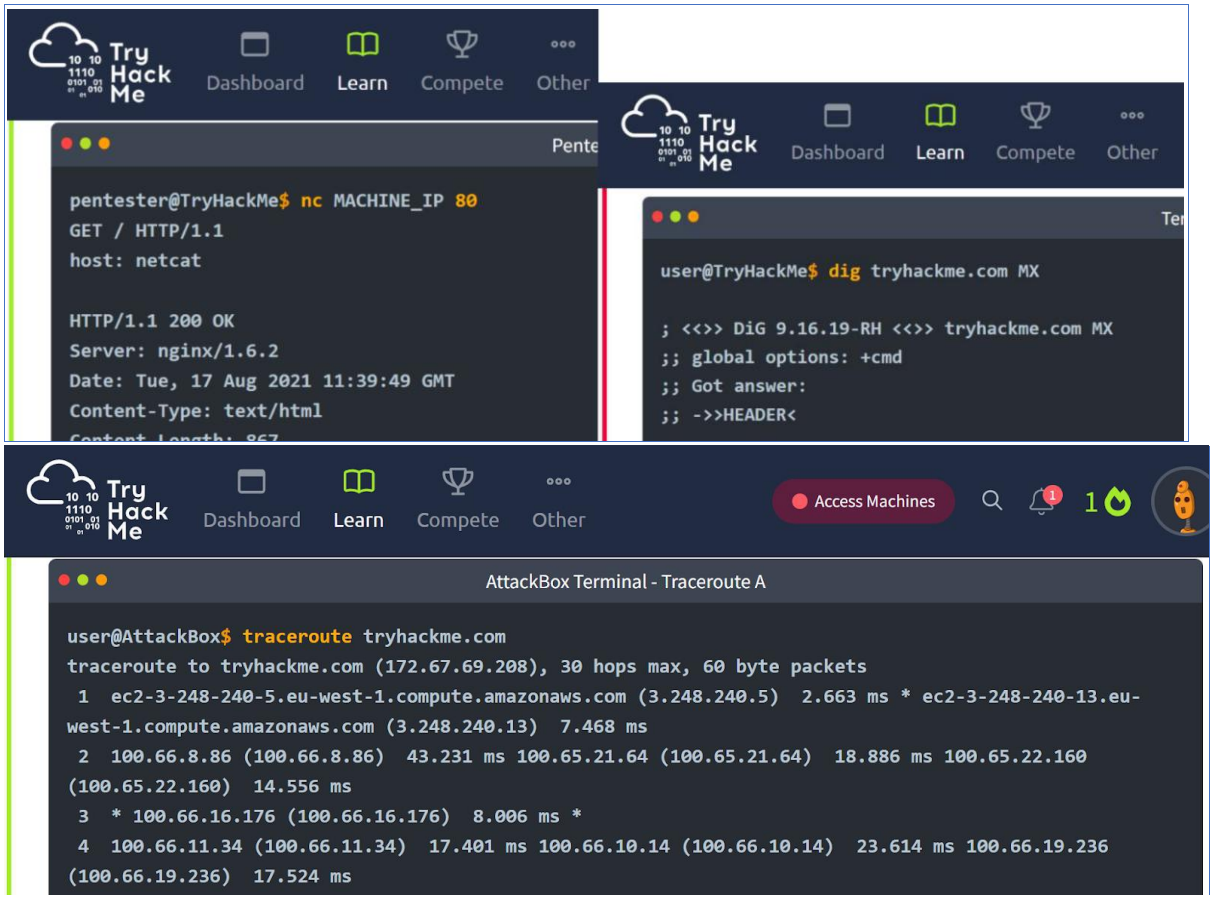



zsh: corrupt history file /home/kali/.zsh_history
(kali㉿kali)-[~]
$ whois tryhackme.com
Domain Name: TRYHACKME.COM
Registry Domain ID: 2282723194_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.namecheap.com
Registrar URL: http://www.namecheap.com
Updated Date: 2021-05-01T19:43:23Z
Creation Date: 2018-07-05T19:46:15Z
Registry Expiry Date: 2027-07-05T19:46:15Z
Registrar: NameCheap, Inc.
Registrar IANA ID: 1068
Registrar Abuse Contact Email: abuse@namecheap.com
Registrar Abuse Contact Phone: +1.6613102107
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Name Server: KIP.NS.CLOUDFLARE.COM
Name Server: UMA.NS.CLOUDFLARE.COM
DNSSEC: unsigned
URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
>>> Last update of whois database: 2023-06-22T12:34:14Z <<<
For more information on Whois status codes, please visit https://icann.org/epp
NOTICE: The expiration date displayed in this record is the date the
registrar's sponsorship of the domain name registration in the registry is
currently set to expire. This date does not necessarily reflect the expiration
date of the domain name registrant's agreement with the sponsoring
registrar. Users may consult the sponsoring registrar's Whois database to
view the registrar's reported date of expiration for this registration.
TERMS OF USE: You are not authorized to access or query our Whois
database through the use of electronic processes that are high-volume and
automated except as reasonably necessary to register domain names or
modify existing registrations; the Data in VeriSign Global Registry
Services' ("VeriSign") Whois database is provided by VeriSign for
information purposes only, and to assist persons in obtaining information
about or related to a domain name registration record. VeriSign does not
guarantee its accuracy. By submitting a Whois query, you agree to abide


Shodan
Maps
Images
Monitor
Developer
More...
SHODAN
Explore
Pricing
tryhackme.com
TOTAL RESULTS
1
View Report
View on Map
New Service: Keep track of what you have connected to the Internet. Check out Sh
301 Moved Permanently
54.220.229.192
ec2-54-220-229-192.eu-west-1.compute.amazonaws.com
Amazon.com, Inc.
Ireland, Dublin
HTTP/1.1 301 Moved Permanently
Server: nginx/1.14.0 (Ubuntu)
Date: Fri, 20 Aug 2021 07:17:29 GMT
Content-Type: text/html
Content-Length: 194
Connection: keep-alive
Location: https://54.220.229.192/
X-Frame-Options: ALLOW-FROM https://tryhackme.com


DNS
kip.ns.cloudflare.com.
172.64.33.129
uma.ns.cloudflare.com.
108.162.192.146
tryhackme.com
MX
5 alt1.aspmx.l.google.com.
108.177.12.26
1 aspmx.l.google.com.
142.251.4.26
10 alt4.aspmx.l.google.com.
64.233.184.26
10 alt3.aspmx.l.google.com.
209.85.202.26
5 alt2.aspmx.l.google.com.
64.233.186.26
A
remote.tryhackme.com
104.26.10.229
www.tryhackme.com
blog.tryhackme.com
18.202.149.35
blog.tryhackme.com
www.tryhackme.com
map generated by dnsdumpster.com


tryhackme.com/room/passiverecon
Try Hack Me
Dashboard
Learn
Practice
Compete
Access Machines
Go Premium
Jr Penetration Tester > Network Security > Passive Reconnaissance
Passive Reconnaissance
Learn about the essential tools for passive reconnaissance, such as whois, nslookup, and dig.
60 min
216,462
SCANNING FOR TARGET...
Share your achievement
Start AttackBox
Save Room
Recommend
Options
Room completed (100%)
Task 1 Introduction
Task 2 Passive Versus Active Recon
Task 3 Whois
Task 4 nslookup and dig
Task 5 DNSDumpster
Task 6 Shodan.io
Task 7 Summary
How likely are you to recommend this room to others?
PAK - SA
In 4 hours
Search
ENG
IN
11:46
04-11-2025



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