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**ROLL NO:231901061**

**Ex. No.: 3 Date:20.08.2024 PASSIVE AND ACTIVE RECONNAISSANCE**

**Aim:**

To do perform passive and active reconnaissance in TryHackMe platform.

**Algorithm:**

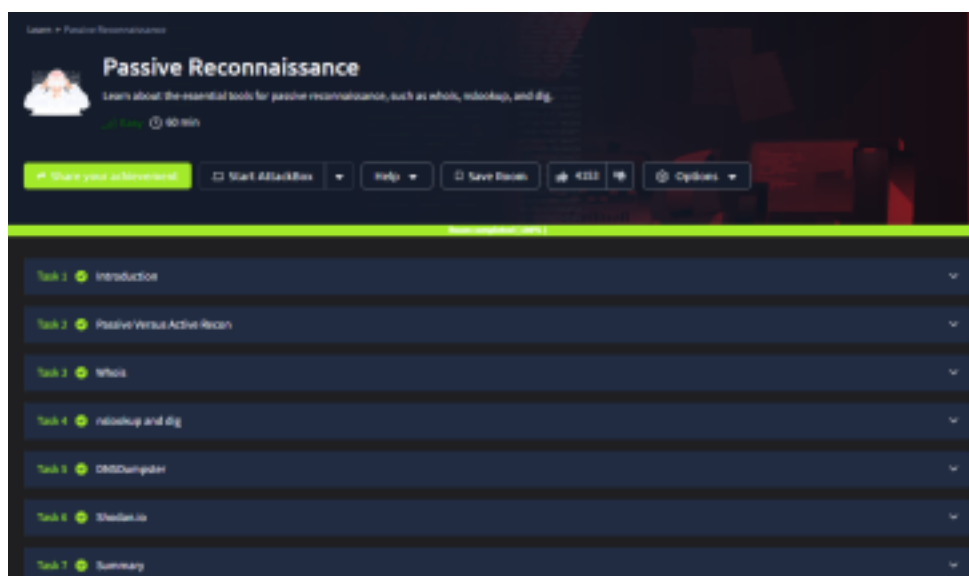
1. Access the Passive reconnaissance lab in TryHackMe platform using the link below  
<https://tryhackme.com/r/room/passiverecon>

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:**



```

python3 netcraft/WhoisFile /home/taali/.ssh/whois
--(taali@kali:~)$
$ whois 177hackme.com
Domain Name: 177HACKME.COM
Registry Domain ID: 2183721194_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.namecheap.com
Registrar URL: http://www.namecheap.com
Updated Date: 2023-05-01T05:43:13Z
Creation Date: 2023-07-05T18:46:13Z
Registry Expiry Date: 2025-07-05T18:46:13Z
Registrar: Namecheap, Inc.
Registrar IANA ID: 1068
Registrar Abuse Contact Email: abuse@namecheap.com
Registrar Abuse Contact Phone: +1.6633412187
Domain Status: clienttransferprohibited https://icann.org/appc/clienttransferprohibited
Name Servers: xsp.01.cloudflarest.com
Name Servers: xma.01.cloudflarest.com
DNSSEC: unsigned
URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
or Last update of whois database: 2023-06-12T12:16:16Z on

For more information on whois status codes, please visit https://icann.org/who

NOTICE: The expiration date displayed in this record is the date the
registrar's responsibility 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 registrant'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 our Whois database is provided to
Internet users for information purposes only, and to assist persons in obtaining
information about an Internet domain name registration, but we do not
guarantee its accuracy. By submitting a Whois query, you agree to abide

```

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TOTAL RESULTS: 1

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New Service: Keep track of what you have connected to the Internet. Check out [Sucuri](#)

**301 Moved Permanently**

303 (SEE OTHER)

Server: nginx/1.14.0 (Ubuntu)

Date: Fri, 28 Sep 2023 07:27:29 GMT

Content-Type: text/html

Content-Length: 216

Connection: keep-alive

Location: https://177hackme.com/

0-Frame Options: X-Frame-Options: https://177hackme.com



## Active Reconnaissance

Learn how to use simple tools such as traceroute, ping, telnet, and a web browser to gather information.

100% Free 90 min

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Progress 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



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