

**Name: V AKASH DURAI**

**Ex. No.: 3**

**Roll No:231901004**

## **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:**

#### **ACTIVE RECONNAISSANCE**

TryHackMe Dashboard Learn Compete Other Access Machines Go Premium 0

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

Share your achievement Start AttackBox Help Save Room 2815 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

# PASSIVE RECONNAISSANCE

The screenshot shows the TryHackMe interface for the 'Passive Reconnaissance' room. The top navigation bar includes 'TryHackMe', 'Dashboard', 'Learn', 'Compete', and 'Other'. A red 'Access Machines' button is on the right, along with a 'Go Premium' button and a user profile icon. The room title 'Passive Reconnaissance' is displayed, followed by a description: 'Learn about the essential tools for passive reconnaissance, such as whois, nslookup, and dig.' The room is marked as 'Easy' and '60 min'. A progress bar shows 'Room completed (100%)'. Below the room title, there is a list of tasks: Task 1 Introduction, Task 2 Passive Versus Active Recon, Task 3 Whois, Task 4 nslookup and dig, Task 5 DNSDumpster, Task 6 Shodan.io, and Task 7 Summary. Each task has a green checkmark indicating completion. The background of the room header features a server rack with the text 'SCANNING FOR TARGET...'.

## Result:

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