Ex.no:8

Date:10.9.2024

## NMAP TO DISCOVER LIVE HOSTS

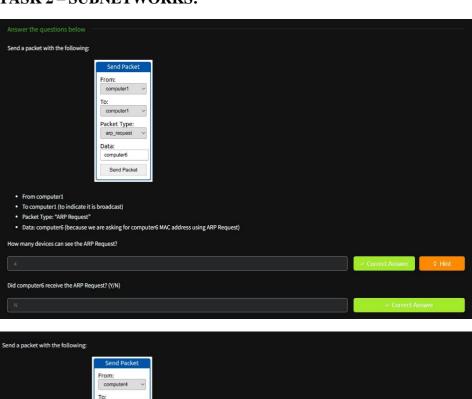
#### AIM:

To study Nmap tool using TryHackMe platform.

# TASK 1 – INTRODUCTION:



# TASK 2 – SUBNETWORKS:



#### **TASK 3 - ENUMERATING TARGETS:**

We mentioned the different techniques we can use for scanning in Task 1. Before we explain each in detail and put it into use against a live target, we need to specify the targets we want to scan. Generally speaking, you can provide a list, a range, or a subnet. Examples of target specification are:

• list: MACHINE\_IP scanne.nmap.org example.com will scan 3 IP addresses.

• range: 10.11.12.15-20 will scan 6 IP addresses: 10.11.12.15, 10.11.12.16, ... and 10.11.12.20.

• subnet: MACHINE\_IP/30 will scan 6 IP addresses: 10.11.12.15, 10.11.12.16, ... and 10.11.12.20.

• subnet: MACHINE\_IP/30 will scan 4 IP addresses: 10.11.12.15, 10.11.12.16, ... and 10.11.12.20.

• subnet: MACHINE\_IP/30 will scan 4 IP addresses: 10.11.12.15, 10.11.12.16, ... and 10.11.12.20.

• subnet: MACHINE\_IP/30 will scan 4 IP addresses: 10.11.12.15, 10.11.12.15, ... and 10.11.12.20.

• subnet: MACHINE\_IP/30 will scan 6 IP addresses: 10.11.12.15, 10.11.12.15, ... and 10.11.12.20.

• subnet: MACHINE\_IP/30 will scan 6 IP addresses: 10.11.12.15, 10.11.12.15, ... and 10.11.12.20.

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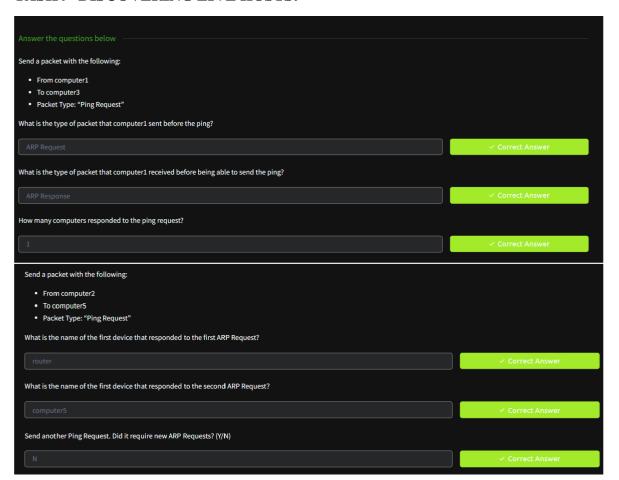
• subnet: MACHINE\_IP/30 will scan 6 IP addresses: 10.11.12.13.12.15, ... and 10.11.12.20.

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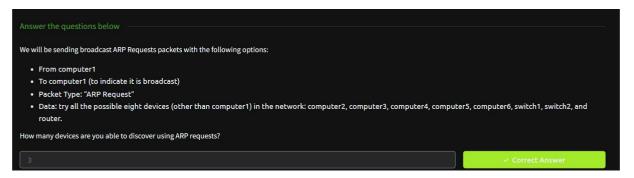
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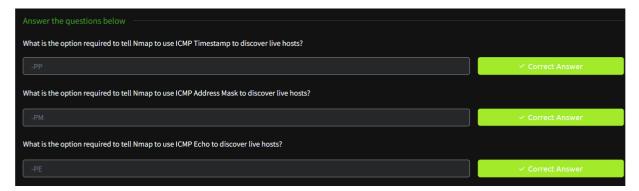
#### **TASK4 - DISCOVERING LIVE HOSTS:**



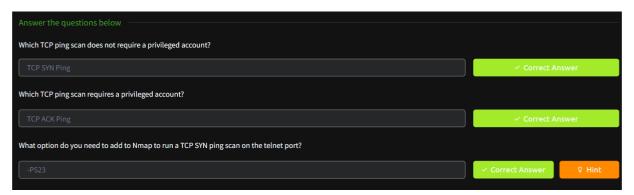
# TASK 5 - NMAP HOST DISCOVERY USING ARP:



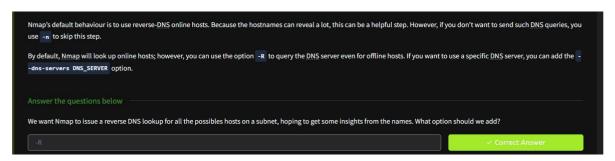
#### TASK 6 - NMAP HOST DISCOVERY USING ICMP:



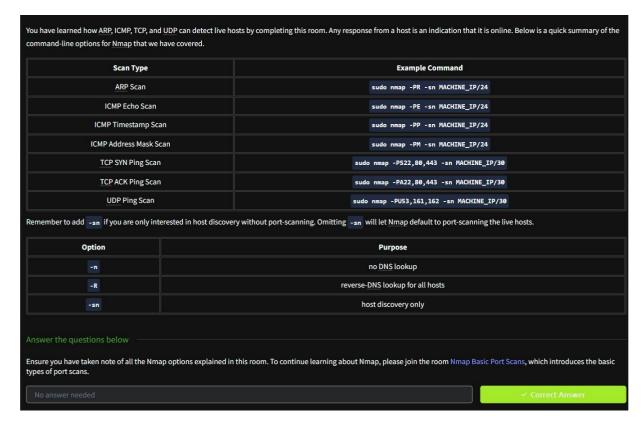
#### TASK 7 - NMAP HOST DISCOVERY USING TCP AND UDP:



### TASK 8 - USING REVERSE-DNS LOOKUP:



# TASK 9 – SUMMARY:



## **RESULT:**

Hence, Nmap to discover live hosts is studied.