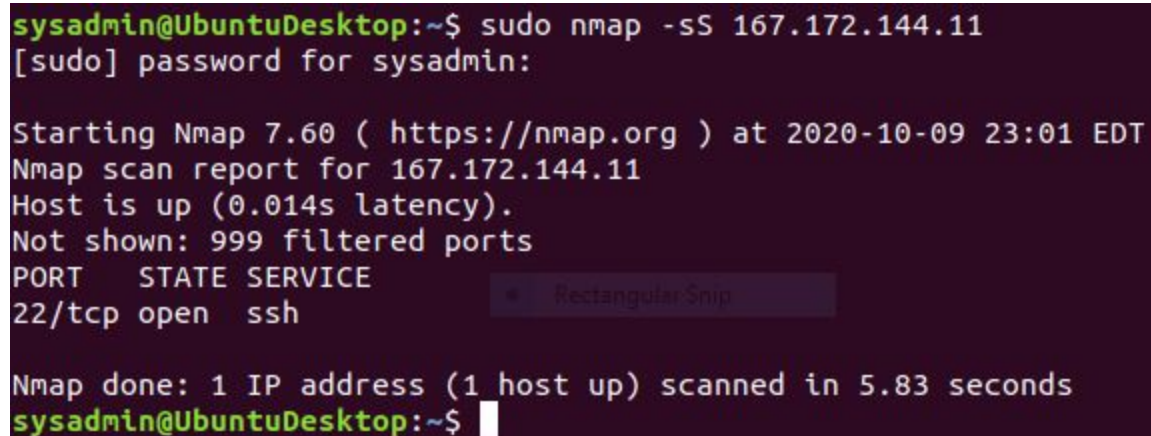


Phase 2: "Some Syn for Nothin`"

Solution:

The RockStar server ip address 167.172.144.11 is accepting connections.

Run SYN SCAN on ip address 167.172.144.11 with the command syntax:



```
sysadmin@UbuntuDesktop:~$ sudo nmap -sS 167.172.144.11
[sudo] password for sysadmin:

Starting Nmap 7.60 ( https://nmap.org ) at 2020-10-09 23:01 EDT
Nmap scan report for 167.172.144.11
Host is up (0.014s latency).
Not shown: 999 filtered ports
PORT      STATE SERVICE
22/tcp    open  ssh

Nmap done: 1 IP address (1 host up) scanned in 5.83 seconds
sysadmin@UbuntuDesktop:~$
```

A terminal window screenshot showing the execution of a SYN scan using Nmap. The user 'sysadmin' runs the command 'sudo nmap -sS 167.172.144.11'. The terminal output shows the scan starting at 2020-10-09 23:01 EDT, reporting the host as up with a latency of 0.014s, and identifying port 22/tcp as open for the ssh service. The scan completed in 5.83 seconds.

The ssh port 22 is open, and the OSI layer the SYN scan runs on is Transport Layer (Layer 4).