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Writeup for Setting Up Apache Server

Steps

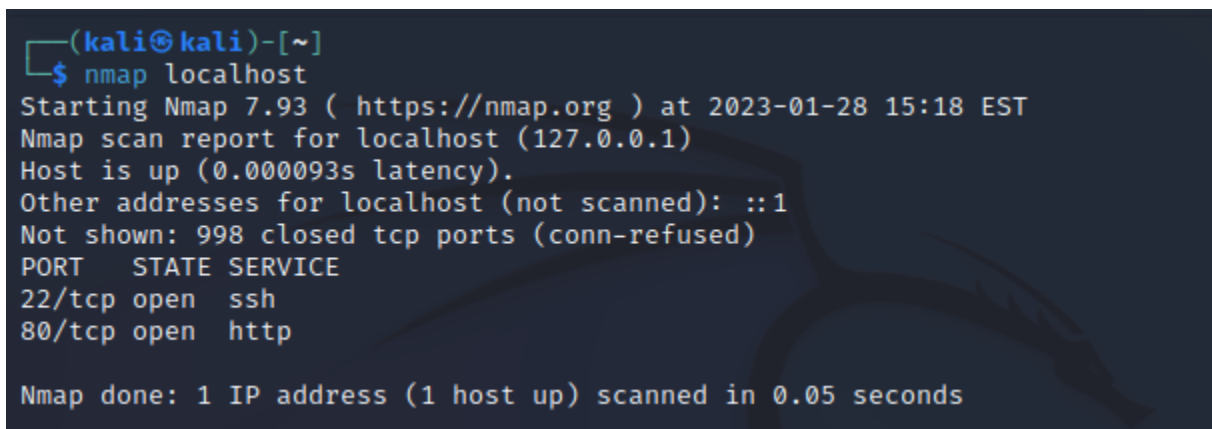
I followed the steps mentioned in both these links.

- <https://www.redhat.com/sysadmin/install-apache-web-server>
- <https://installati.one/install-firewalld-kalilinux/>

Problems Encountered

- I had to download a new kali linux ISO because the one I had downloaded didn't let me use apt-get to download firewalld because of some conflicts which I tried to figure out but after 30 min I decided I should just download a new ISO.
- I thought we had to change port 22 from being an ssh port to a http port.

Screenshots of terminal

A terminal window with a dark background and light blue/green text. The prompt is (kali@kali)-[~]. The command nmap localhost has been executed. The output shows the Nmap version (7.93), the scan time (2023-01-28 15:18 EST), and the scan results for localhost (127.0.0.1). It indicates that the host is up with a latency of 0.000093s. It also shows that 998 closed TCP ports were not shown. The open ports are listed as 22/tcp (ssh) and 80/tcp (http). The scan was completed in 0.05 seconds.

```
(kali@kali)-[~]  
$ nmap localhost  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-01-28 15:18 EST  
Nmap scan report for localhost (127.0.0.1)  
Host is up (0.000093s latency).  
Other addresses for localhost (not scanned): ::1  
Not shown: 998 closed tcp ports (conn-refused)  
PORT      STATE SERVICE  
22/tcp    open  ssh  
80/tcp    open  http  
  
Nmap done: 1 IP address (1 host up) scanned in 0.05 seconds
```

Commands Used

- sudo systemctl start apache2
- nmap localhost
- sudo systemctl status apache2
- sudo firewall-cmd --permanent --zone=public --add-service=http

- `sudo firewall-cmd --reload`
- `sudo firewall-cmd --list-all --zone=public`
- `sudo apt-get -y install firewalld`