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I had already updated my system a day prior so I didn't updated it again, moreover I installed RustScan using:

sudo apt install curl-y curl--proto '=https'--tlsv1.2-sSf https://sh.rustup.rs | sh

Remaining tasks and their output are listed below:

Perform a full port scan on 127.0.0.1:

```
(kali@kali)-[~]
    rustscan b 1000 -a 127.0.0.1 -range 1-65535

The Modern Day Port Scanner.

Inttp://discord.skerritt.blog
    inttps://github.com/RustScan/RustScan:

RustScan: Because guessing isn't hacking.

[-] The config file is expected to be at "/home/kali/.rustscan.toml"
[-] File limit higher than batch size. Can increase speed by increasing batch size '-b 924'.
Open 127.0.0.12.50792
[-] Starting Scalinst Scan at 131:0 Scan at 131:0 EDT
Inclinition of the scan at 131:0 0.02s elapsed (1 total ports)
Whap scan report for localhost (127.0.0.1) [1 port]
Completed VM Stealth Scan at 131:0.0.02s elapsed (1 total ports)
Whap scan report for localhost (127.0.0.1)
Host is up, received localhost-response (0.00084s latency).
Scanned at 2025-03-16 13:10:30 EDT for 0s

PORT STATE SERVICE ERASON
56794/top closed unknown reset ttl 64

Read data files from: /usr/share/mmap
Nmap done: 1 PP address (1 host up) scanned in 0.14 seconds
Raw packets sent: 1 (44B) | Rcvd: 2 (84B)
```

Scan the domain cust.edu.pk for open ports:

```
(kali@ kali)-[~]
    rustscan -a cust.edu.pk -range 1-65535

The Modern Day Port Scanner.

i https://discord.skerritt.blog :
    https://github.com/RustScan/RustScan :

RustScan: Because guessing isn't hacking.

[-] The config file is expected to be at "/home/kali/.rustscan.toml"
[!] file limit is lower than default batch size. Consider upping with —ulimit. May cause harm to sensitive servers
[!] Your file limit is very small, which negatively impacts RustScan's speed. Use the Docker image, or up the Ulimit with '--ulimit 5000'.

Open 162.159.133.42:14830
Open 162.159.133.42:14830
Open 162.159.133.42:18880
[-] Starting Script(s)
[-] Starting Namp 7.95 ( https://nmap.org ) at 2025-03-16 13:15 EDT
Initiating Ping Scan at 13:15, 3.04s elapsed (1 total hosts)
Nmap scan report for 162.159.135.42 [A ports]
Completed Ping Scan at 13:15, 3.04s elapsed (1 total hosts)
Nmap scan report for 162.159.135.42 [A ports]
Read data files from: Visry/Sharte/Imap
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.19 seconds
Raw packets sent: 8 (304B) | Rcvd: 0 (0B)
```

scan results of 192.168.1.1

Use RustScan with Nmap to perform a service version scan on 192.168.1.1.

Result: [!] Looks like I didn't find any open ports for 192.168.1.1. This is usually caused by a high batch size.

Scan only ports 21, 22, and 3306 on a local IP.

```
(kali⊗ kali)-[~]
$ nmap -p 21,22,3306 192.168.1.100

Starting Nmap 7.95 ( https://nmap.org ) at 2025-03-17 07:56 EDT

Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn

Nmap done: 1 IP address (0 hosts up) scanned in 3.88 seconds
```

Fast Scan:

```
(kali® kali)-[~]
$ nmap -T4 -F 192.168.1.0/24

Starting Nmap 7.95 ( https://nmap.org ) at 2025-03-17 07:58 EDT
Nmap scan report for 192.168.1.222
Host is up (0.015s latency).
Not shown: 99 filtered tcp ports (no-response)
PORT STATE SERVICE
80/tcp open http
Nmap done: 256 IP addresses (1 host up) scanned in 19.93 seconds
```

Find Open Web Ports on port 80,443,8080