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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

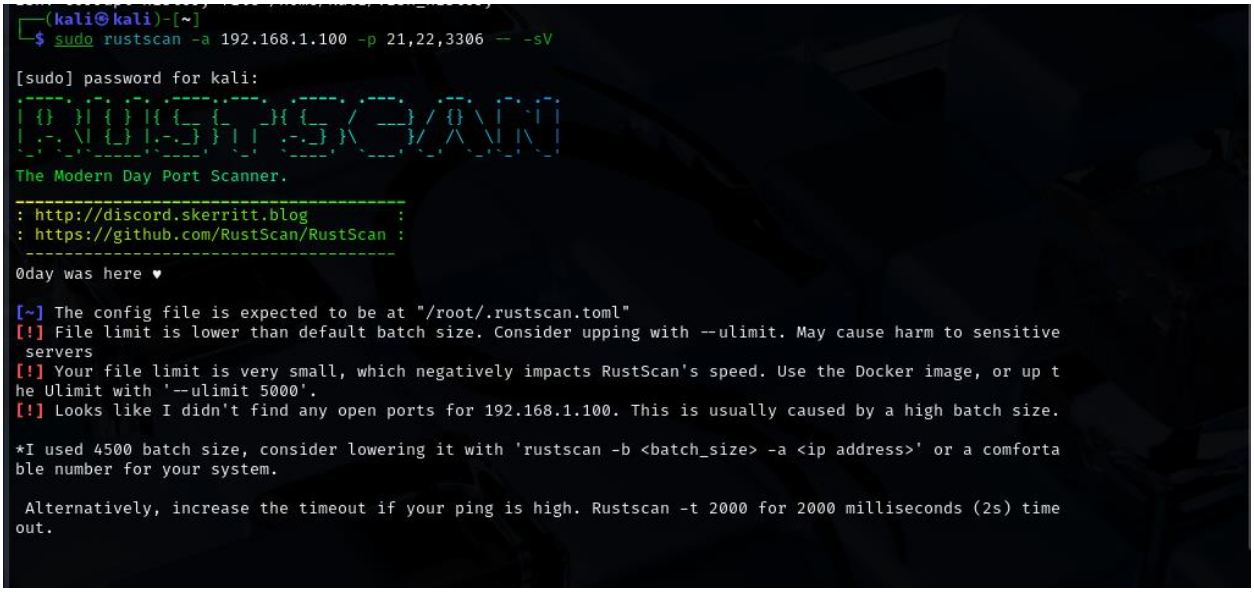
Remaining tasks and their output are listed below:

Perform a full port scan on 127.0.0.1:

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

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

```
┌──(kali㉿kali)-[~]
└─$ nmap -p 80,443,8080 192.168.1.0/24

Starting Nmap 7.95 ( https://nmap.org ) at 2025-03-17 08:01 EDT
Nmap scan report for 192.168.1.222
Host is up (0.077s latency).

PORT     STATE    SERVICE
80/tcp   open     http
443/tcp  filtered https
8080/tcp filtered http-proxy

Nmap done: 256 IP addresses (1 host up) scanned in 79.52 seconds
```