

```
kali-linux-2022.1-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
kali-linux-2022.1-vmware-a...
root@kali: ~
File Actions Edit View Help

(root@kali)-[~]
# python3 scanner.py

Please enter the ip address that you want to scan: 45.33.32.156
You entered a valid ip address.
Please enter the range of ports you want to scan in format: <int>—<int> (ex would be 60-120)
Enter port range: 192,168.1.40
Please enter the range of ports you want to scan in format: <int>—<int> (ex would be 60-120)
Enter port range: ^Z
zsh: suspended python3 scanner.py

(root@kali)-[~]
#
```

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

27°C Sunny 1:55 / 21:20

ENG IN 19:24 18:36 11-2022

```
kali-linux-2022.1-vmware-amd64 - VMware Workstation
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# python3 scanner.py

Please enter the ip address that you want to scan: 45.33.32.156
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To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

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ENG IN 19:30 18:36 11-2022

istop Keep Growing

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kali-linux-2022.1-vmware-amd64 - VMware Workstation
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Please enter the range of ports you want to scan in format: <int>—<int> (ex would be
60-120)
Enter port range: 10-120
█

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.
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kali-linux-2022.1-vmware-amd64 - VMware Workstation
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File Actions Edit View Help
You entered a valid ip address.
Please enter the range of ports you want to scan in format: <int>-<int> (ex would be 60-120)
Enter port range: 10-120
Port 22 is open on 45.33.32.156.
Port 80 is open on 45.33.32.156.
(root@kali)-[~]
# ping amazon.com
PING amazon.com (52.94.236.248) 56(84) bytes of data.
64 bytes from 52.94.236.248 (52.94.236.248): icmp_seq=1 ttl=233 time=311 ms
^Z
zsh: suspended ping amazon.com
(root@kali)-[~]
#
```

To return to your computer, move the mouse pointer outside or press Ctrl+Alt.

27°C Sunny 3:01 / 21:20

ENG IN 18:18 18:17 21:20

stop Keep Growing

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Applications  Places  Text Editor  Aug 5 19:54
scanner.py
~/Desktop
Open  Install-Linux-tar.txt  scanner.py  infotool.py

import argparse
import nmap

def argument_parser():

    parser = argparse.ArgumentParser(description = "TCP port Scanner accept a hostname/IP address and list of ports to "
                                                "scan. Attempts to identify the service running on a port.")
    parser.add_argument('-o', "--host", nargs = "+", help = "Host IP address")
    parser.add_argument('-p', "--port", nargs = "+", help = "comma-separation port list, such as '25,80,80'")

    var_args = vars(parser.parse_args())
    return var_args

def nmap_scan(host_id,port_num):
    nm_scan = nmap.PortScanner()
    nm_scan.scan(host_id, port_num)
    state = nm_scan[host_id]['tcp'][int(port_num)]['state']
    result = '[*] {host} tcp/{port} {state}'.format(host=host_id, port=port_num, state=state)
    return result

if __name__ == '__main__':
    try:
        user_args = argument_parser()
        host = user_args["host"]
        ports = user_args["ports"].split(",")
        for port in ports:
            print(nmap_scan(host,port))
    except AttributeError:
        print("Error,Please Provide the command_line_argument before running")
```