

Task 7: Port Scanner Script

1. Create the script file

nano port_scanner.sh

2. Paste the following content into the editor, then save:

```
#!/bin/bash
```

```
read -p "Enter IP address to scan: " IP
```

```
for port in {20..25}; do
```

```
    timeout 1 bash -c "echo >/dev/tcp/$IP/$port" 2>/dev/null &&
```

```
    echo "Port $port is open" ||
```

```
    echo "Port $port is closed"
```

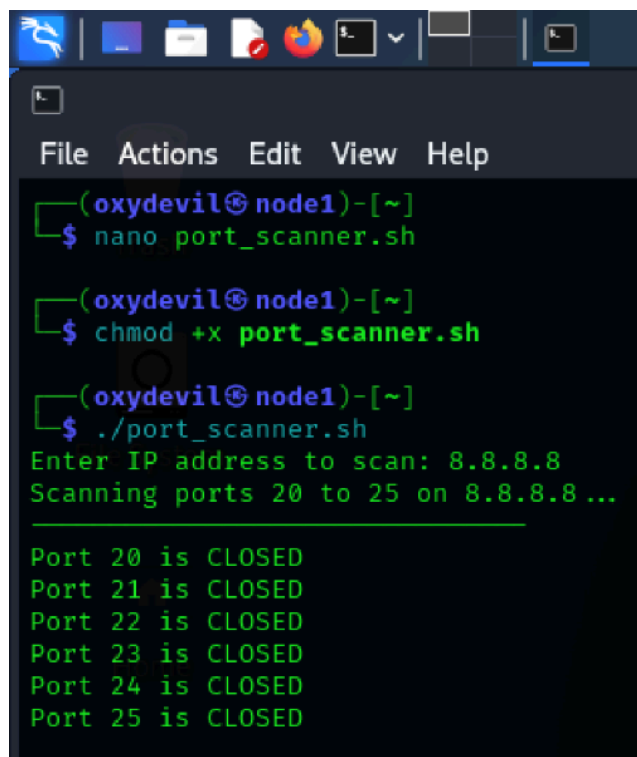
```
done
```

3. Make the script executable

chmod +x port_scanner.sh

4. Run the script

./port_scanner.sh



```
(oxydevil@node1)-[~]
$ nano port_scanner.sh

(oxydevil@node1)-[~]
$ chmod +x port_scanner.sh

(oxydevil@node1)-[~]
$ ./port_scanner.sh
Enter IP address to scan: 8.8.8.8
Scanning ports 20 to 25 on 8.8.8.8 ...

Port 20 is CLOSED
Port 21 is CLOSED
Port 22 is CLOSED
Port 23 is CLOSED
Port 24 is CLOSED
Port 25 is CLOSED
```