

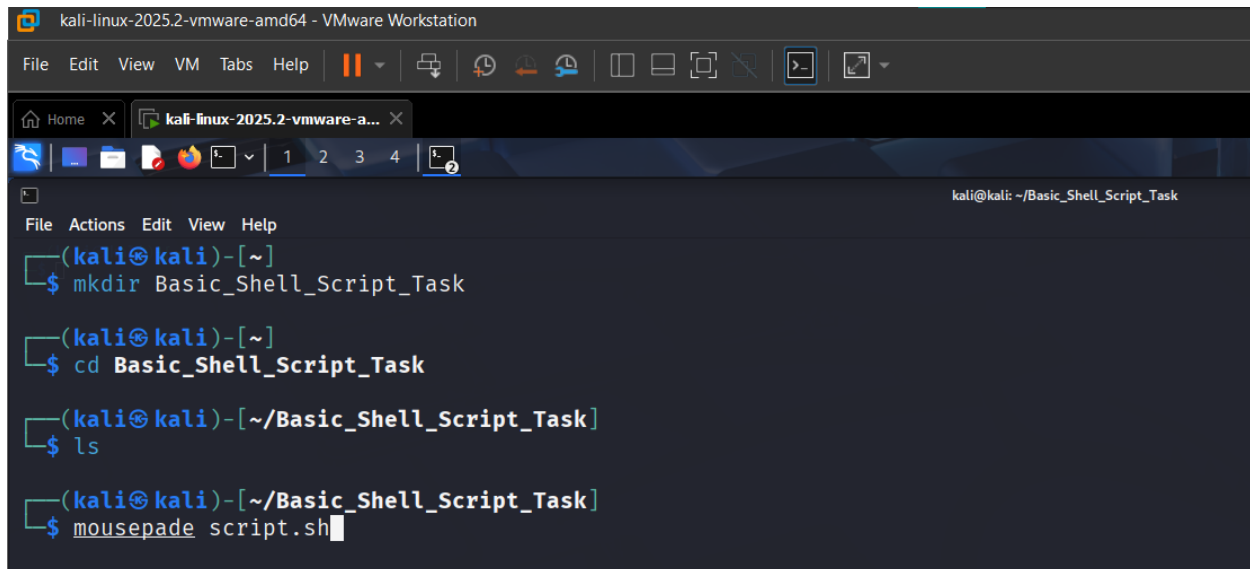
Basic Shell Script Task

We Innovate

By Omar Hassan

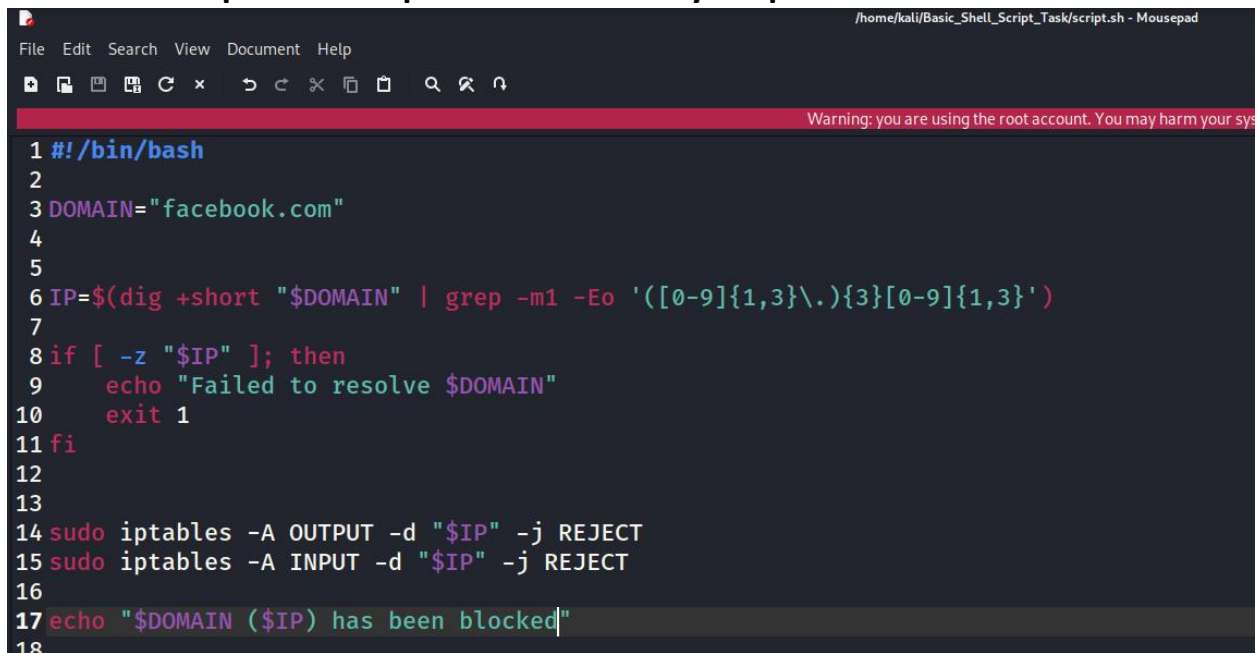
Objective : Create a Bash script to block all traffic to/from a domain by resolving its IPs , then save the info to a file.

1. First of all I create a directory for the task and create the script file with the extension .sh



```
kali@kali: ~/Basic_Shell_Script_Task
$ mkdir Basic_Shell_Script_Task
$ cd Basic_Shell_Script_Task
$ ls
$ mousepad script.sh
```

2. I then open the script file and write my script commands



```
#!/bin/bash
2
3 DOMAIN="facebook.com"
4
5
6 IP=$(dig +short "$DOMAIN" | grep -m1 -Eo '([0-9]{1,3}\.){3}[0-9]{1,3}')
7
8 if [ -z "$IP" ]; then
9     echo "Failed to resolve $DOMAIN"
10    exit 1
11 fi
12
13
14 sudo iptables -A OUTPUT -d "$IP" -j REJECT
15 sudo iptables -A INPUT -d "$IP" -j REJECT
16
17 echo "$DOMAIN ($IP) has been blocked"
18
```

First I specify the domain I want to block , in this case I will choose facebook.com .

Domain="facebook.com"

Then I assign an IP variable and use the regex to extract the ip

IP=\$(dig +short "\$DOMAIN" | grep -m1 -Eo '([0-9]{1,3}\.){3}[0-9]{1,3}')

If the domain couldn't be resolved, the script exits with a message

if [-z "\$IP"]; then

echo "Failed to resolve \$DOMAIN"

exit 1

fi

Then I block the outgoing & the ingoing traffic from this domain using iptables

sudo iptables -A OUTPUT -d "\$IP" -j REJECT

sudo iptables -A INPUT -d "\$IP" -j REJECT

