Task 4: SUID & Privilege Escalation

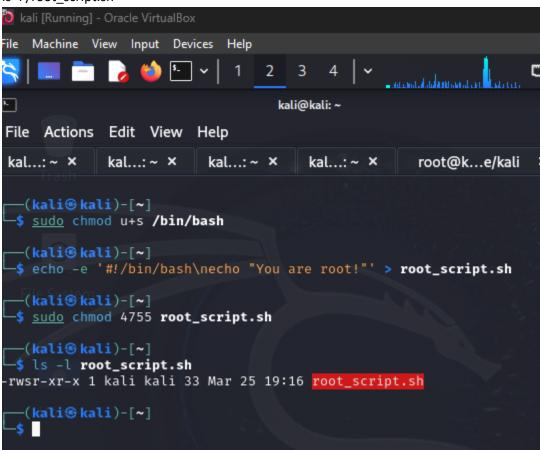
1. Setup

sudo chmod u+s /bin/bash ls -l /bin/bash

echo -e "#!/bin/bash\necho 'Root Privileges Acquired'\nid" | sudo tee /root_script.sh # Create a script with root privileges

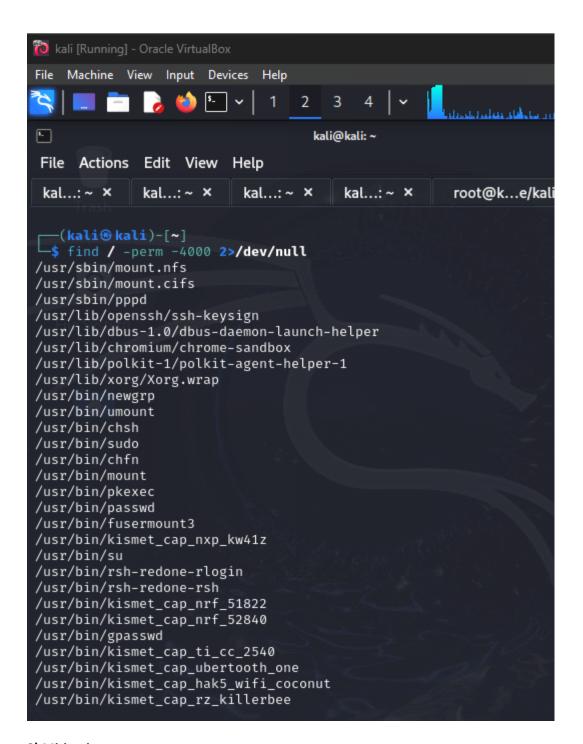
sudo chmod 4755 /root_script.sh

Is -l /root_script.sh



2) Exploit

2.1) Find SUID misconfigurations: find / -perm -4000 2>/dev/null



3) Mitigation

3.1) Remove SUID:

sudo chmod -s /bin/bash

3.2) Restrict script execution: chmod 700 root script.sh

```
(kali@ kali)-[~]
$ chmod -s /bin/bash
chmod: changing permissions of '/bin/bash': Operation not permitted

(kali@ kali)-[~]
$ sudo chmod -s /bin/bash

(kali@ kali)-[~]
$ chmod 700 root_script.sh
```