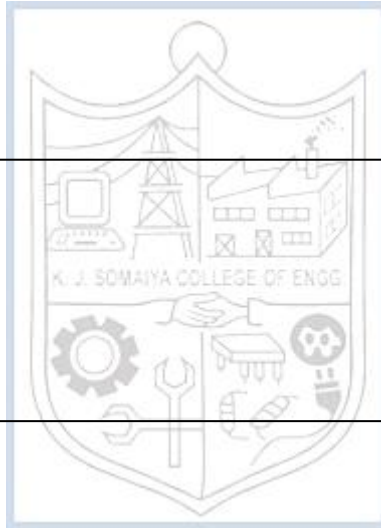


**Experiment No. 5**

Title: Proxy Chain Setup



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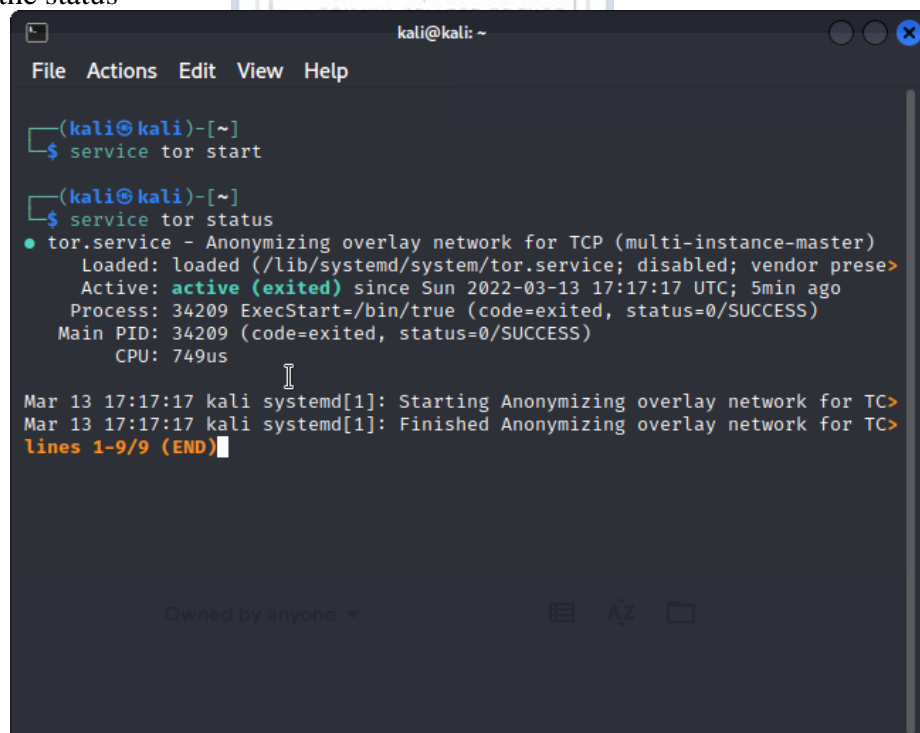
**Roll No.: 16010420075****Experiments No.: 5****Aim:** To set up proxy chain**Resources:** virtual box

### Theory

Proxychains are another tool for anonymity in Linux. Proxychains make anonymity and secure browsing simple. The proxychains support the protocols socks4, socks5, HTTP, and https. Proxychains are simple to set up, but many users experience problems when using them. Some of the most typical issues occur during installation, while others occur when the proxychain starts but you are not anonymous and your DNS leaks emerge.

### IMPLEMENTATION AND RESULTS:

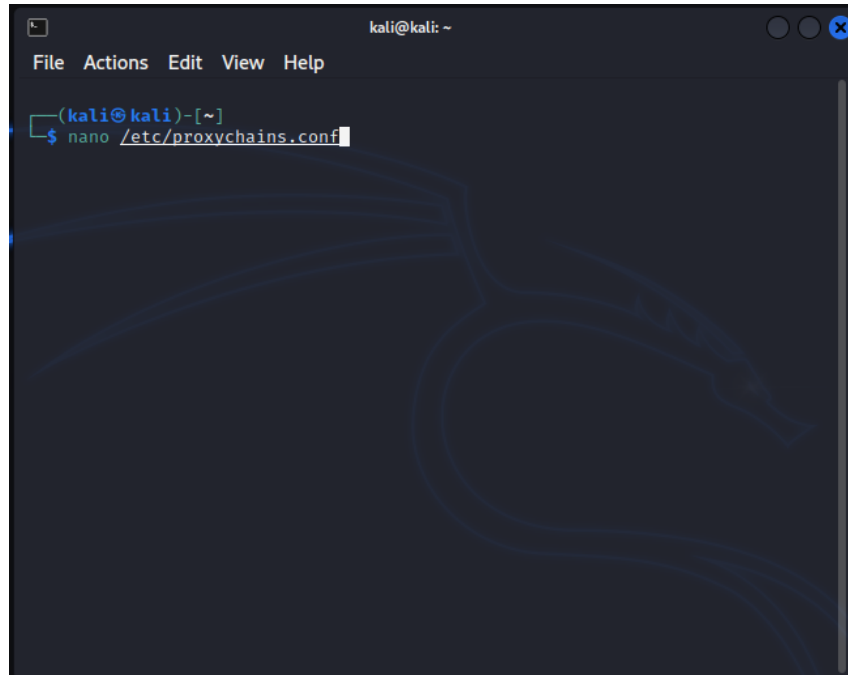
1. Install tor using `sudo apt install tor`
2. Use command – `start tor service`
3. Show the status



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ service tor start  
(kali@kali)-[~]  
$ service tor status  
● tor.service - Anonymizing overlay network for TCP (multi-instance-master)  
   Loaded: loaded (/lib/systemd/system/tor.service; disabled; vendor prese>  
   Active: active (exited) since Sun 2022-03-13 17:17:17 UTC; 5min ago  
   Process: 34209 ExecStart=/bin/true (code=exited, status=0/SUCCESS)  
   Main PID: 34209 (code=exited, status=0/SUCCESS)  
      CPU: 749us  
Mar 13 17:17:17 kali systemd[1]: Starting Anonymizing overlay network for TC>  
Mar 13 17:17:17 kali systemd[1]: Finished Anonymizing overlay network for TC>  
lines 1-9/9 (END)
```

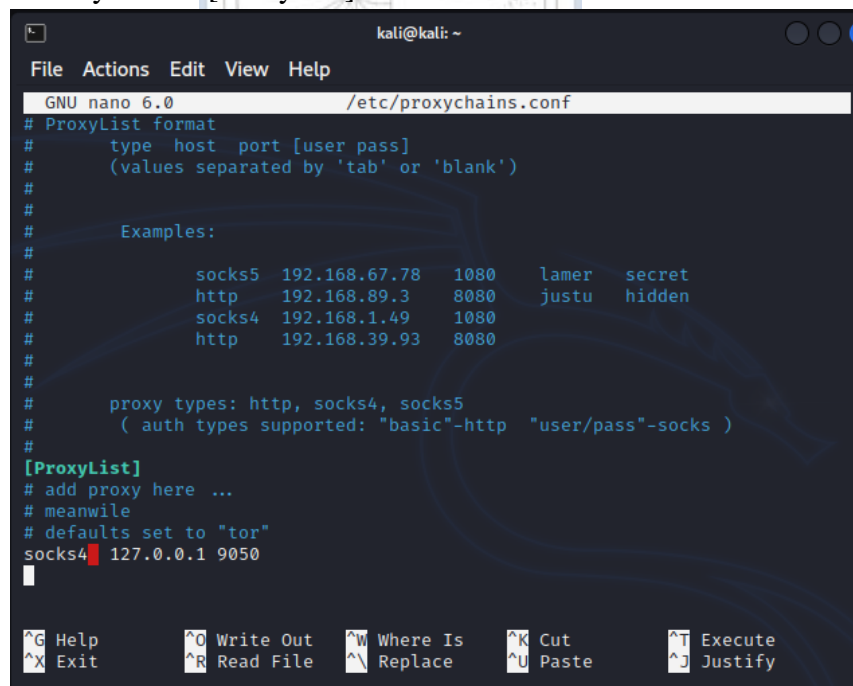
4. Open proxychains.conf file in edit mode (using root)

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```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ nano /etc/proxychains.conf
```

5. Scroll down till you find [ProxyList]



```
kali@kali: ~  
File Actions Edit View Help  
GNU nano 6.0 /etc/proxychains.conf  
# ProxyList format  
# type host port [user pass]  
# (values separated by 'tab' or 'blank')  
#  
# Examples:  
#  
# socks5 192.168.67.78 1080 lamer secret  
# http 192.168.89.3 8080 justu hidden  
# socks4 192.168.1.49 1080  
# http 192.168.39.93 8080  
#  
# proxy types: http, socks4, socks5  
# ( auth types supported: "basic"-http "user/pass"-socks )  
#  
[ProxyList]  
# add proxy here ...  
# meanwhile  
# defaults set to "tor"  
socks4 127.0.0.1 9050  
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute  
^X Exit ^R Read File ^N Replace ^U Paste ^J Justify
```

6. Go to <https://spys.one/en/> and select any proxy

[illegible]

7. Enter the proxy in the proxy list

```

kali@kali: ~
GNU nano 6.2 /etc/proxychains.conf *
# ProxyList format
# type host port [user pass]
# (values separated by 'tab' or 'blank')
#
# Examples:
#
# socks5 192.168.67.78 1080 lamer secret
# http 192.168.89.3 8080 justu hidden
# socks4 192.168.1.49 1080
# http 192.168.39.93 8080
#
# proxy types: http, socks4, socks5
# ( auth types supported: "basic"-http "user/pass"-socks )
#
[ProxyList]
# add proxy here ...
# meanwhile
# defaults set to "tor"
socks4 127.0.0.1 9050
socks5 127.0.0.1 9050
https 41.65.224.70 1981

```

<sup>^</sup>G Help    <sup>^</sup>O Write Out    <sup>^</sup>W Where Is    <sup>^</sup>K Cut    <sup>^</sup>T Execute  
<sup>^</sup>X Exit    <sup>^</sup>R Read File    Replace    Paste    Justify

8. Open firefox using proxychains command in regular user mode

The image shows a terminal window and a web browser. The terminal window, titled 'kali@kali: ~', displays the following commands and output:

```

File Actions Edit View Help
[proxychains] config file found: /etc/proxychains.conf
[proxychains] preloading /usr/lib/x86_64-linux-gnu/libproxychains.so.4
error: invalid item in proxylist section: http 41.65.224.70

(root@kali)~# nano /etc/proxychains.conf

(root@kali)~# proxychains firefox-esr www.google.com
[proxychains] config file found: /etc/proxychains.conf
[proxychains] preloading /usr/lib/x86_64-linux-gnu/libproxychains.so.4
[proxychains] DLL init: proxychains-ng 4.16
Running Firefox as root in a regular user's session is not supported. ($XAUTHORITY is /home/kali/.Xauthority which is owned by kali.)

(root@kali)~# exit

(kali@kali)~# proxychains firefox www.bing.com
[proxychains] config file found: /etc/proxychains.conf
[proxychains] preloading /usr/lib/x86_64-linux-gnu/libproxychains.so.4
[proxychains] DLL init: proxychains-ng 4.16
[proxychains] DLL init: proxychains-ng 4.16

(kali@kali)~#

```

The web browser window shows the Microsoft Bing homepage, indicating that the proxychains configuration is working correctly.

Proxychains is now set up!

### Outcomes:

**CO-1:** Realize that premise of vulnerability analysis and penetration testing (VAPT).

---

**Conclusion:** (Conclusion to be based on the objectives and outcomes achieved)

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Proxychains was set up and ready to use.

**Grade: AA / AB / BB / BC / CC / CD /DD**

**Signature of faculty in-charge with date**

---

**REFERENCES:**

- [www.kali.org](http://www.kali.org)
- [www.spys.one/en](http://www.spys.one/en)



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