

Using TOR and Proxychains

Understanding Tor

Tor is a free and open-source software that enables anonymous communication. It works by encrypting your internet traffic and sending it through a network of relays, making it difficult to trace the original source of the traffic. Tor is often used by journalists, activists, and anyone who wants to protect their privacy online.

To use Tor, you can either install the Tor Browser Bundle, which is a pre-configured version of the Firefox browser, or run Tor as a background process and use it with other applications.

Lets install and run TOR on our system.

```
sudo apt install tor
```

Once installed, we can start the Tor service

```
sudo systemctl start tor
```

We can verify that Tor is running by checking its status:

```
sudo systemctl status tor
```

Now we will use proxychains

So, Proxychains is a tool that allows you to route traffic through a SOCKS proxy. We can use it in conjunction with Tor to route specific applications through the Tor network.

If proxychains is not installed, we can install it by using

```
sudo apt install proxychains
```

Next we have to setup the proxychains configuration file.

```
sudo nano /etc/proxychains.conf
```

Here we will setup the chain as dynamic chain as it is the best option. Let me tell you why

The strict chain uses all the proxies in the list in the specified order without skipping any, If one proxy in the chain fails, the entire connection fails.

The Random Chain select the proxies at a random order for each connection proving the highest no. of anonymity however it is very slow because of this.

The dynamic chain is the ideal one as it Attempts to use the proxies in the listed order, but if one proxy fails, it skips it and moves on to the next one.

We will add the TOR proxy running on localhost at port 9050 at the end of the file.

```
socks5 127.0.0.1 9050
```

Save the file

Now lets test our proxychains configuration.

```
proxychains firefox
```
