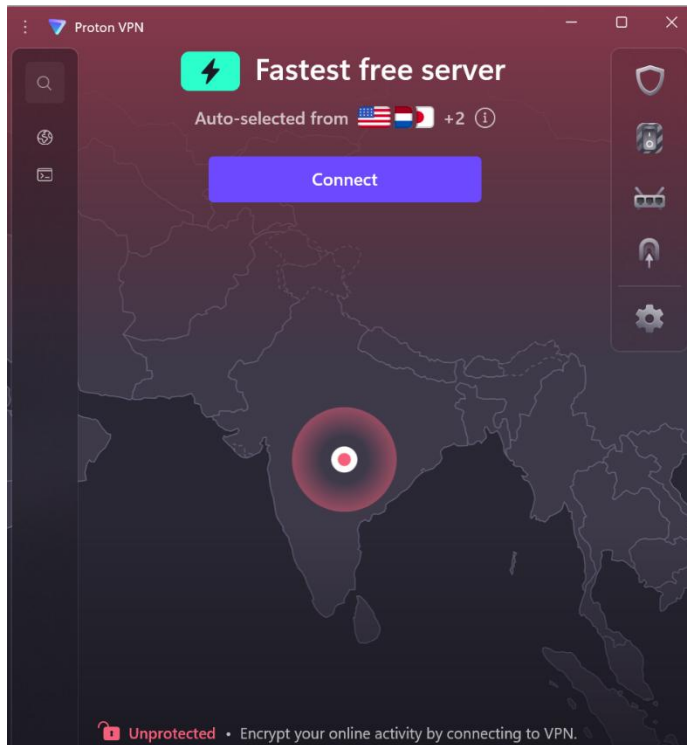
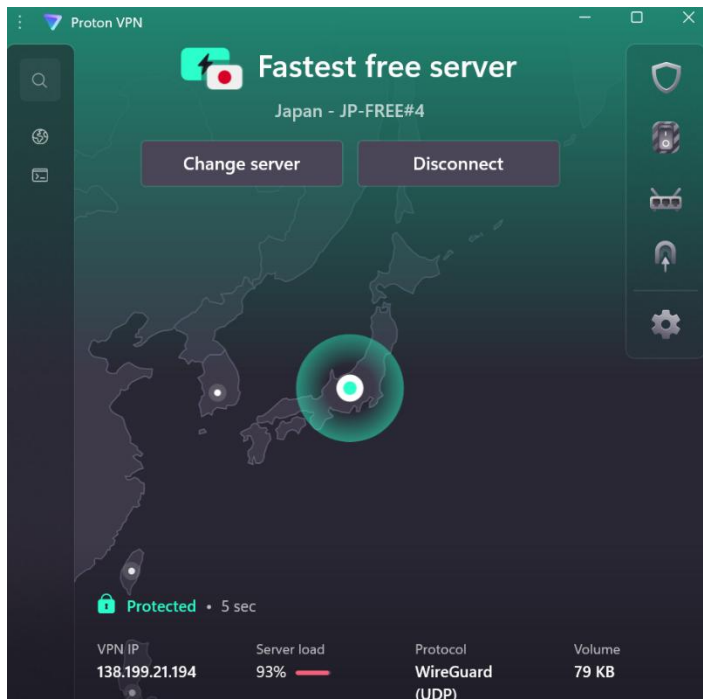


Date: 06.06.25	Task 8
	Working and understanding VPN
Name: Riddhisa Ranganathan	

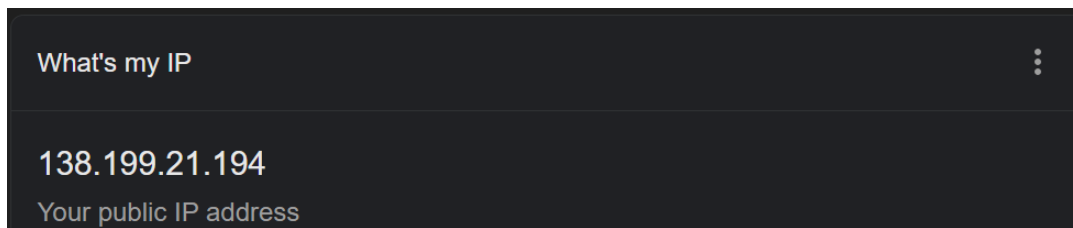
I've used ProtonVPN.



1. After turning the VPN on, the public IP address changes.



- Verifying if IP address has changed by checking on the internet:



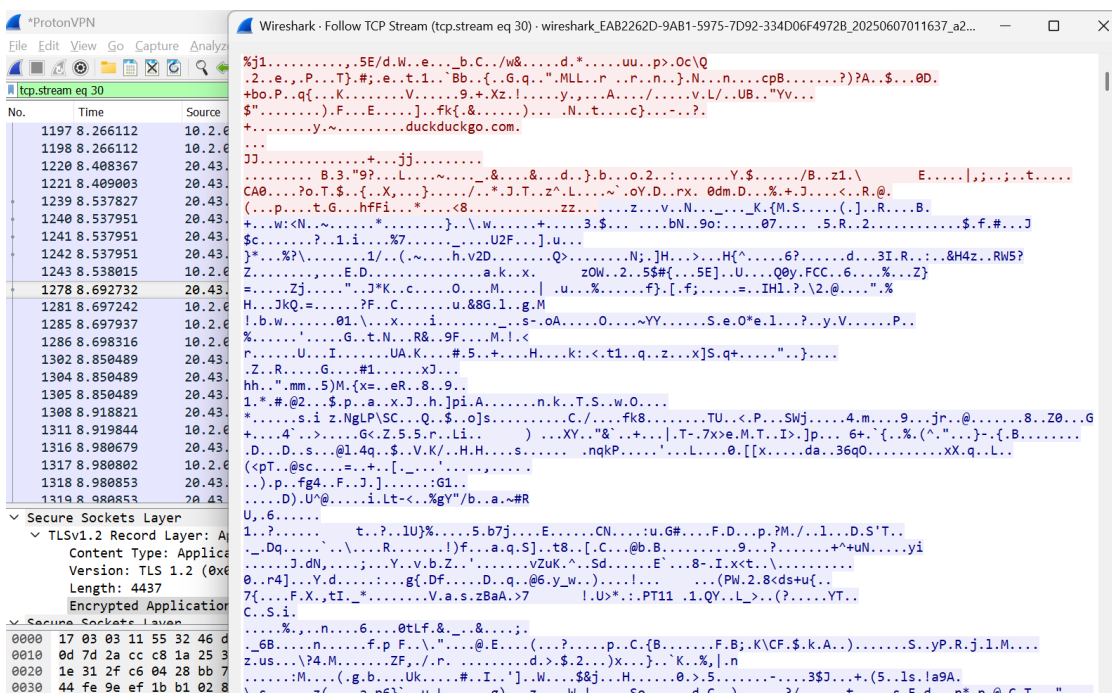
- Finding the IP address which would be accessed after turning on the vpn using nslookup.

```
Microsoft Windows [Version 10.0.26100.4061]
(c) Microsoft Corporation. All rights reserved.

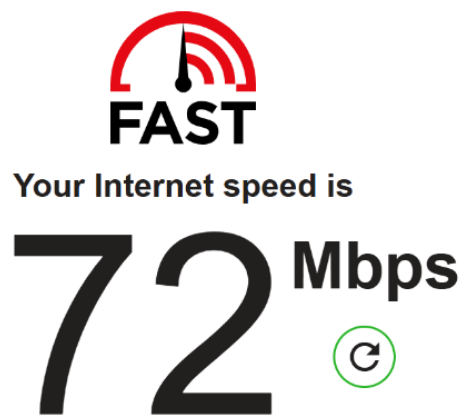
C:\Users\Riddhisa Ranganathan>nslookup duckduckgo.com
Server:      UnKnown
Address:     10.2.0.1

Non-authoritative answer:
Name:        duckduckgo.com
Address:     20.43.161.105
```

- Accessing <https://www.duckduckgo.com> via a browser and capturing the internet traffic using Wireshark. Then using the filter: "ip.addr == 20.43.161.105" to find the packets that came from or to duckduckgo.com website.
- Then using Follow TCP Stream to see that the data is encrypted.



6. Checking internet speed while still being connected to VPN.



7. Checking internet speed after disconnecting the VPN.

