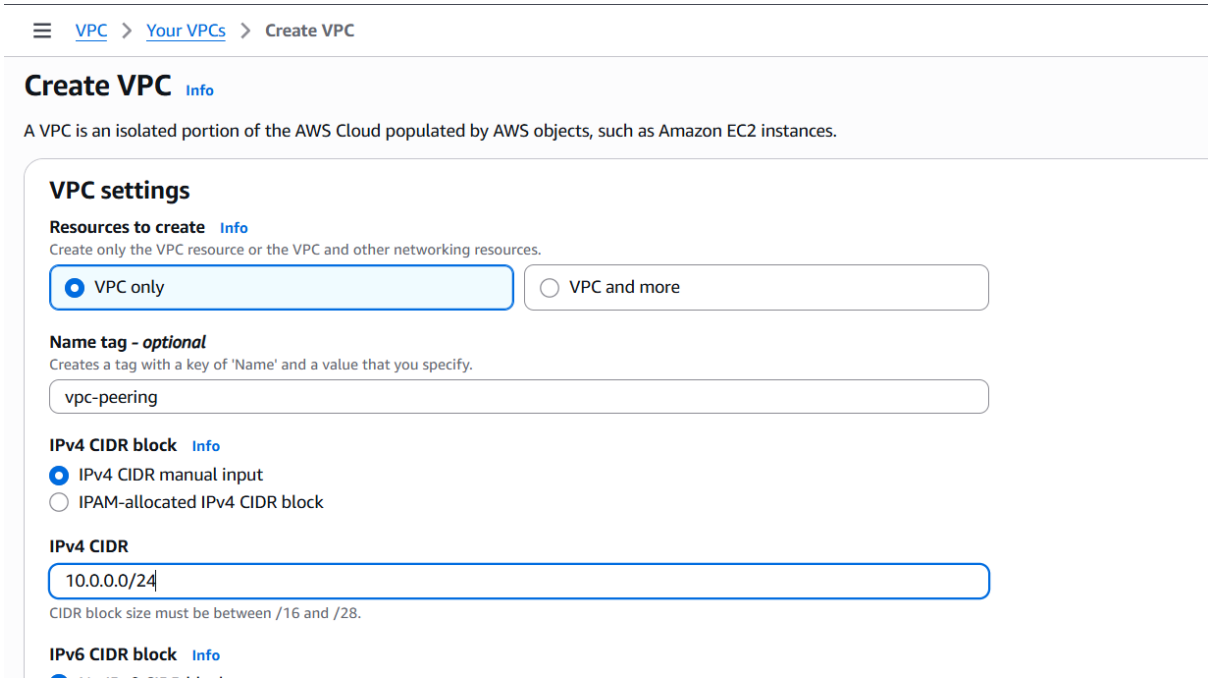
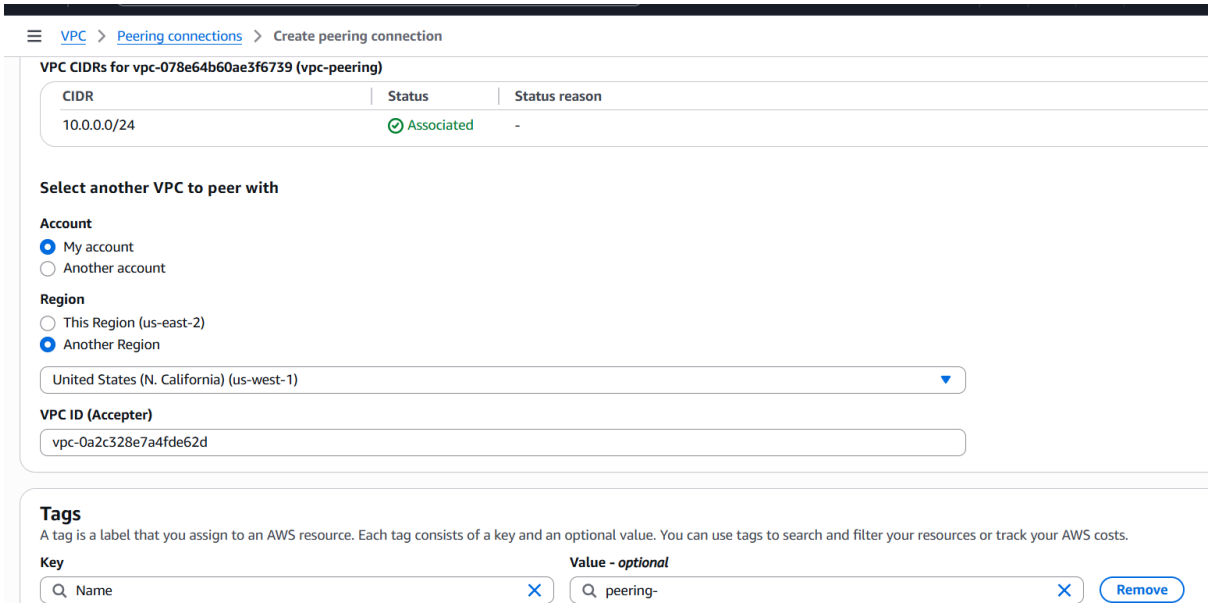
1. Configure VPC peering in cross regions.

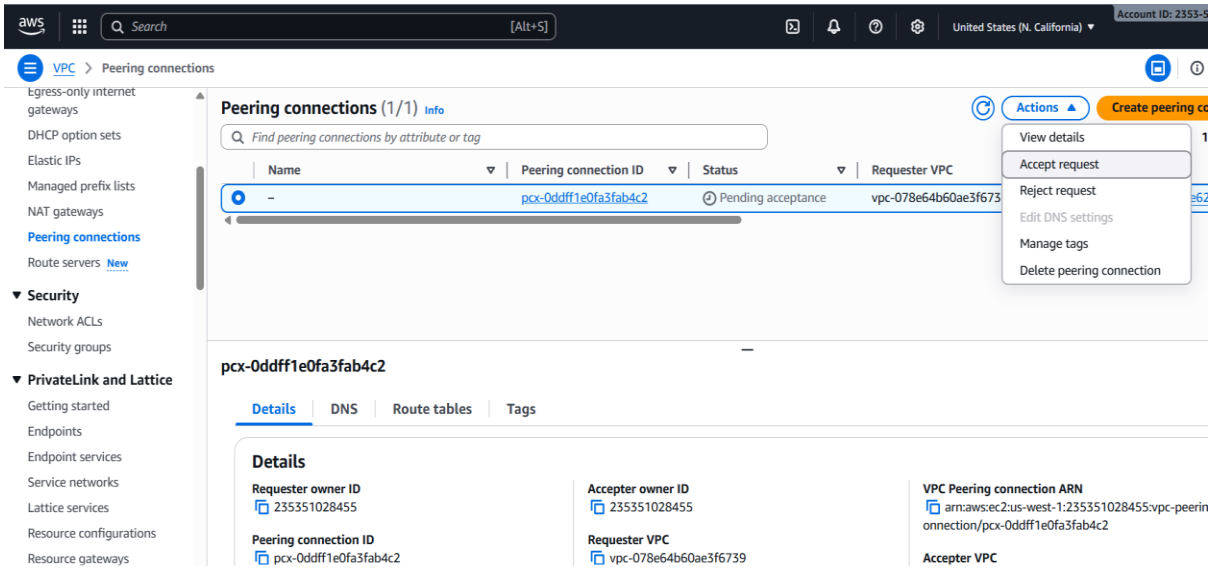
Go to vpc and create a vpc.

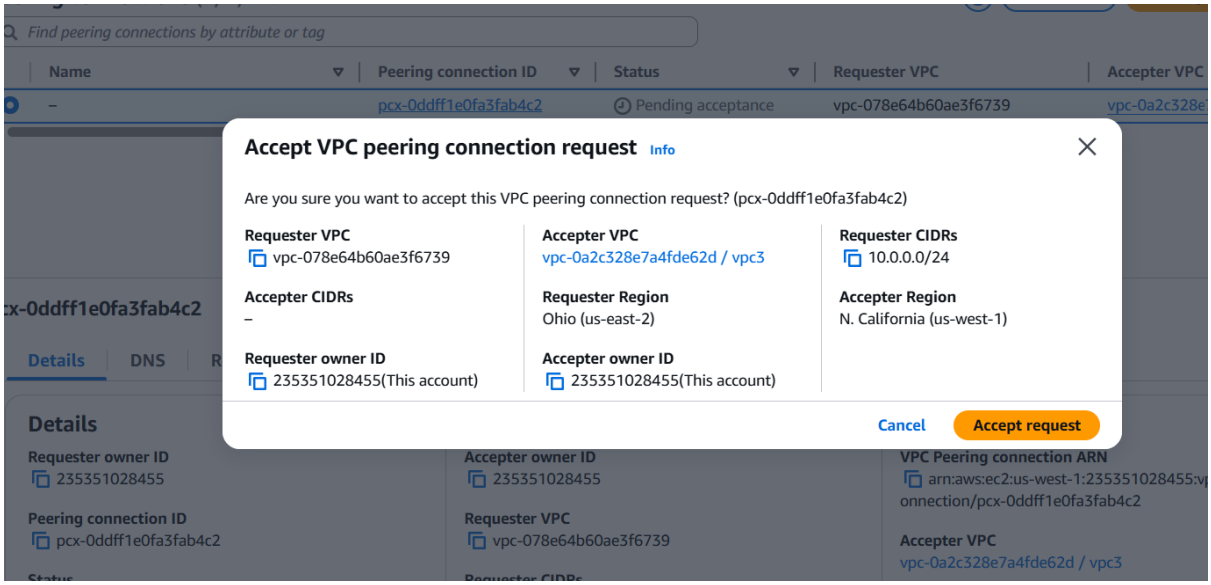


Go to peering connections and provide cross-region address and vpc id.

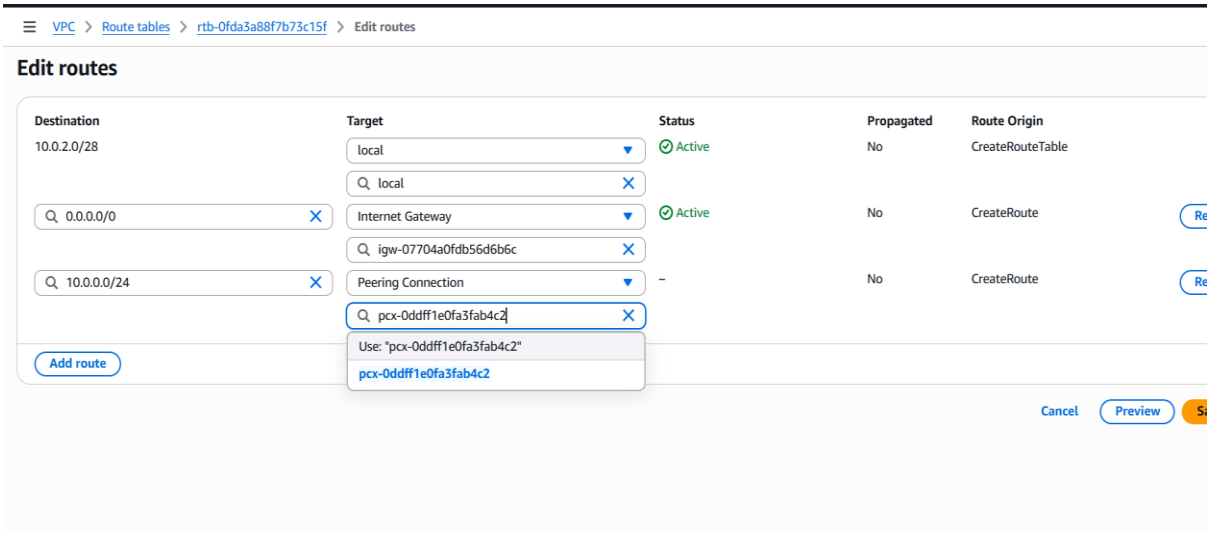


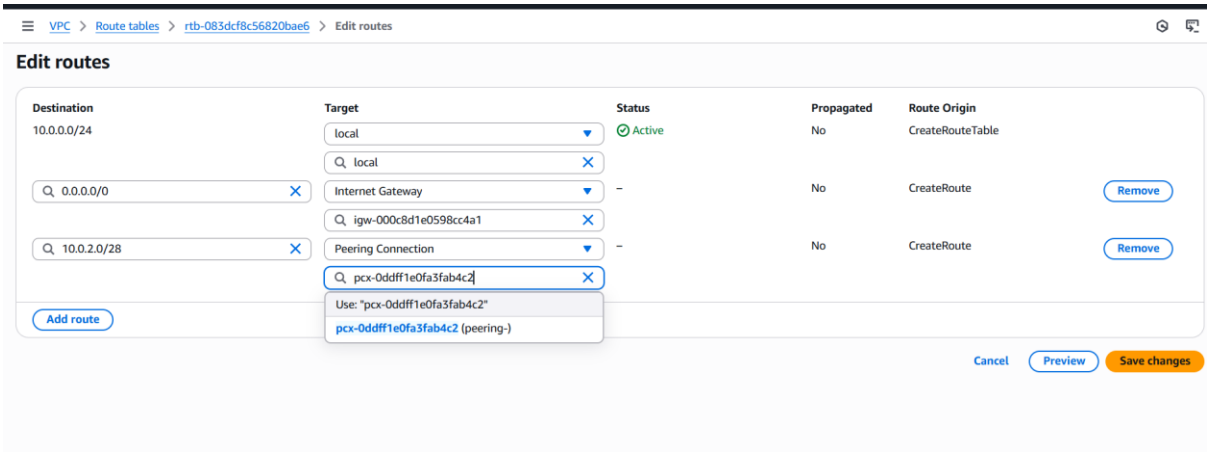
Go to accepter peering connections and accept the pending connection.





Go to route table and give the another region cidr and peering connection.



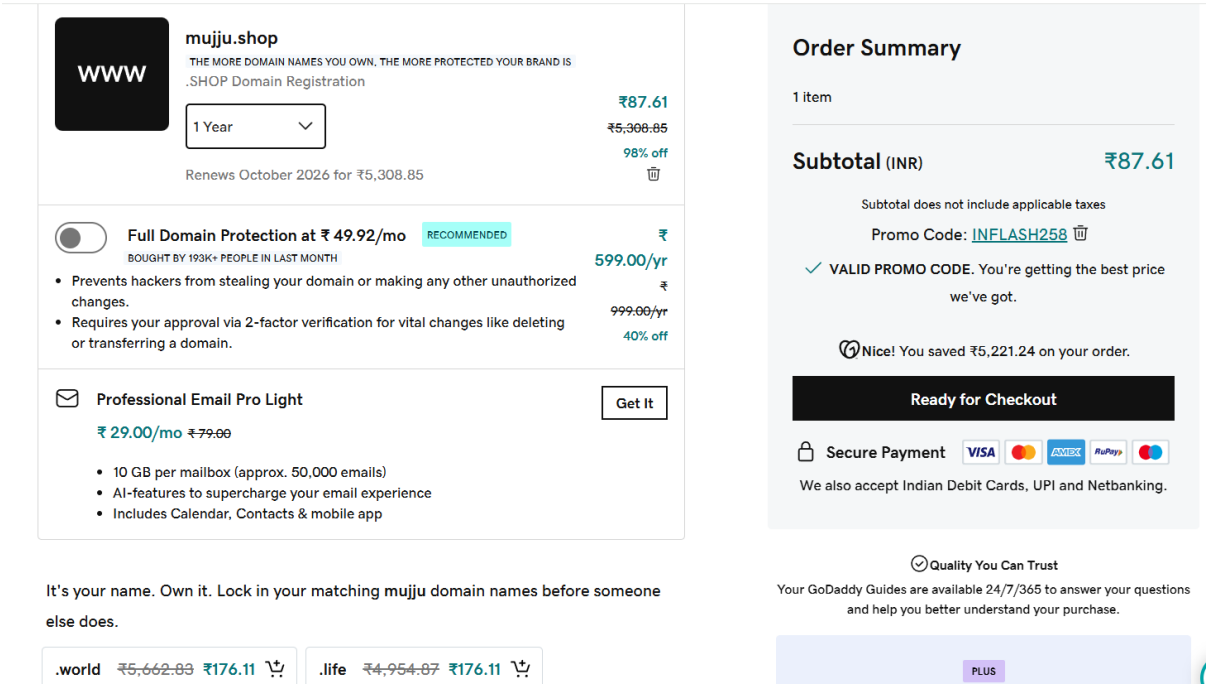


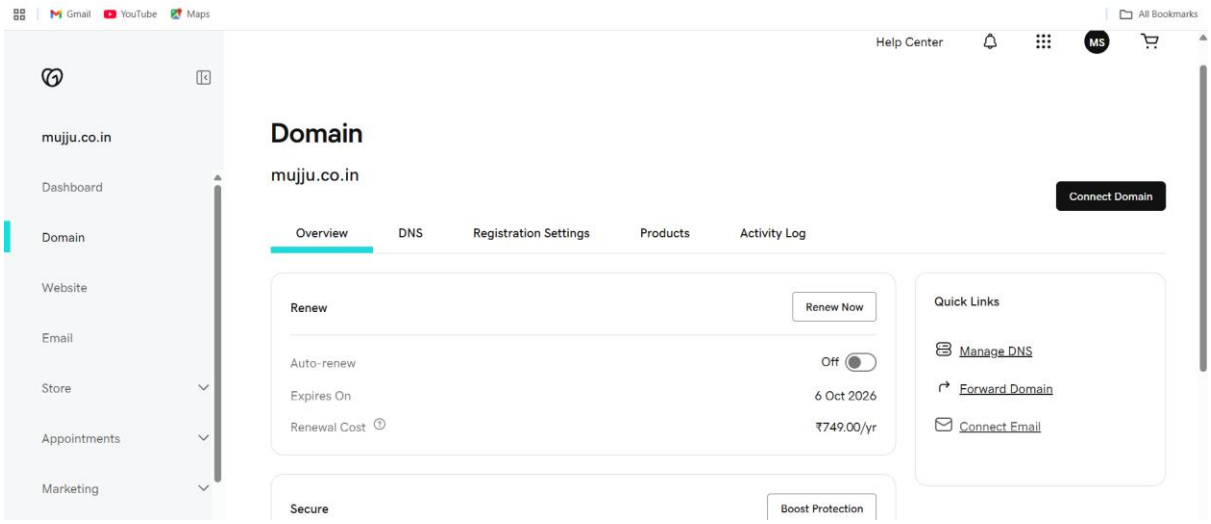
Login with one public ip and in that ping with another private id.

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Downloads
$ ssh -i "peer.pem" ec2-user@3.141.1.100
The authenticity of host '3.141.1.100 (3.141.1.100)' can't be established.
ED25519 key fingerprint is SHA256:r2XSZbMBeCCc4uTxpmkJuFLzZU22yr9QBuKAaxrQ7LO.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '3.141.1.100' (ED25519) to the list of known hosts.
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
[ec2-user@ip-10-0-0-181 ~]$ sudo su -
[root@ip-10-0-0-181 ~]# ping 10.0.2.10
PING 10.0.2.10 (10.0.2.10) 56(84) bytes of data.
64 bytes from 10.0.2.10: icmp_seq=4 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=5 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=6 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=7 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=8 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=9 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=10 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=11 ttl=127 time=65.9 ms
64 bytes from 10.0.2.10: icmp_seq=12 ttl=127 time=65.9 ms
^C
--- 10.0.2.10 ping statistics ---
12 packets transmitted, 9 received, 25% packet loss, time 11094ms
rtt min/avg/max/mdev = 65.870/65.909/65.946/0.026 ms
```

2.Purchase one domain from GoDaddy.

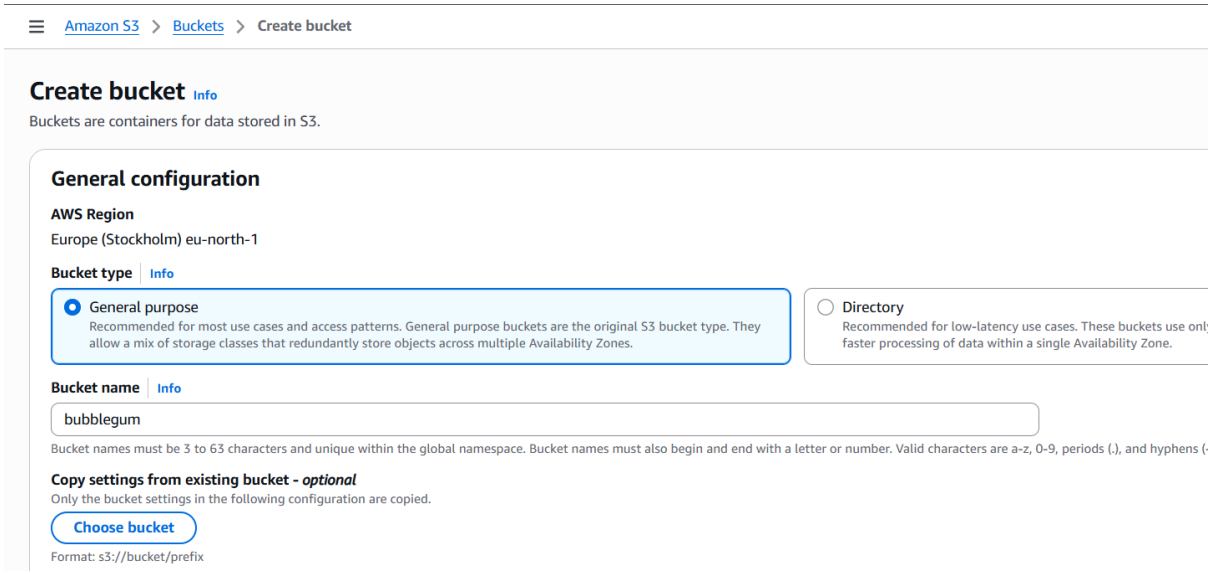
Go to godaddy.com and search for domain what you need and by as per that.



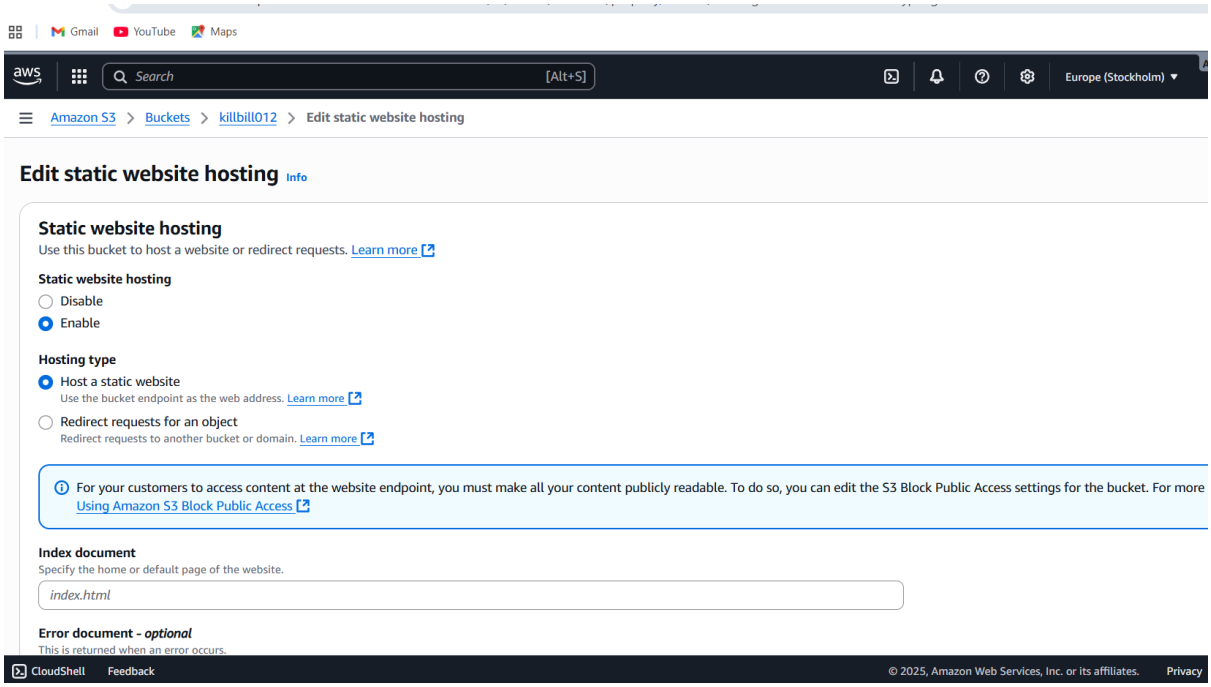


3. Deploy static website in S3.

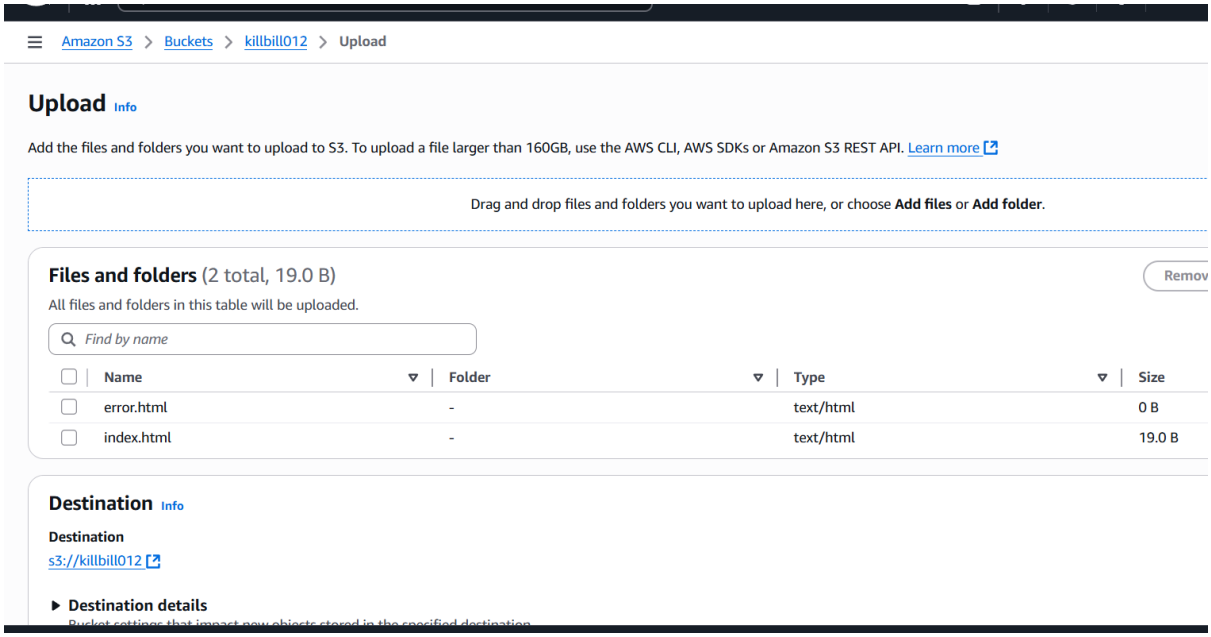
Go to S3 and click on bucket create bucket.



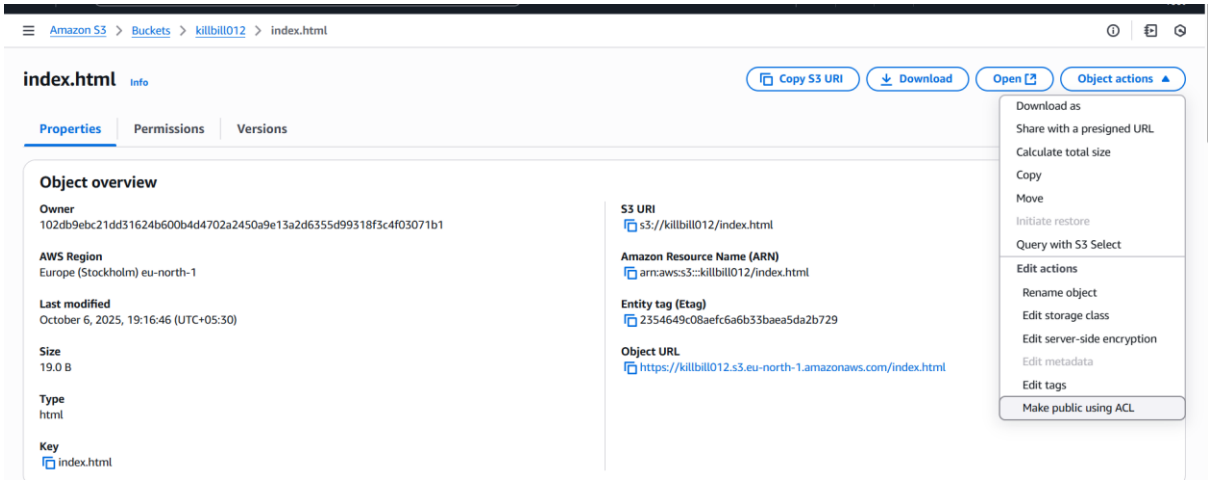
Go to properties and enable static website and give the index.html and error.html files.



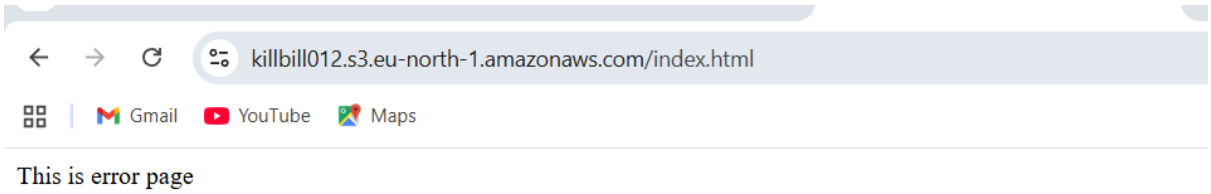
Upload the index and error files in the bucket.



Make the objects public ACL

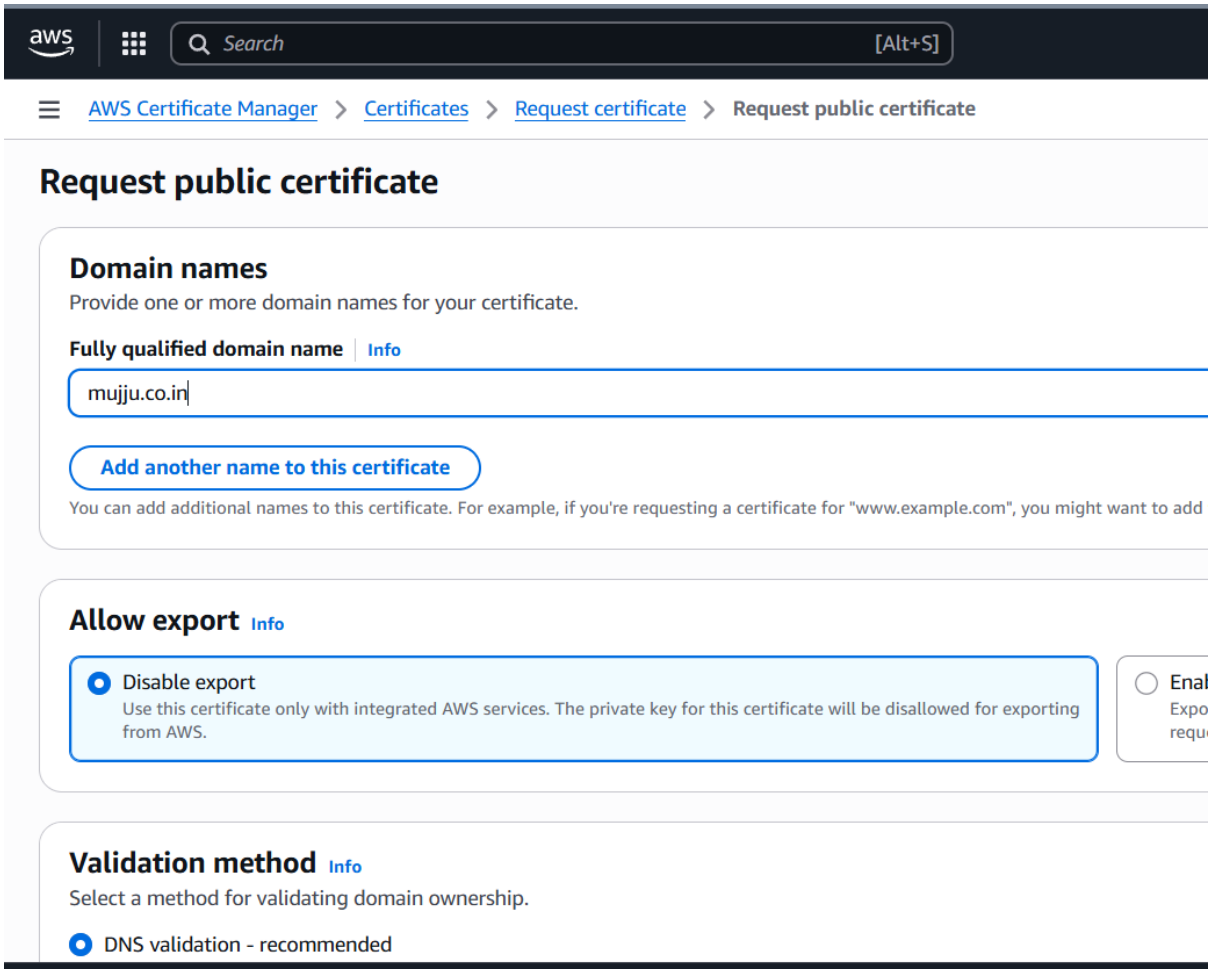


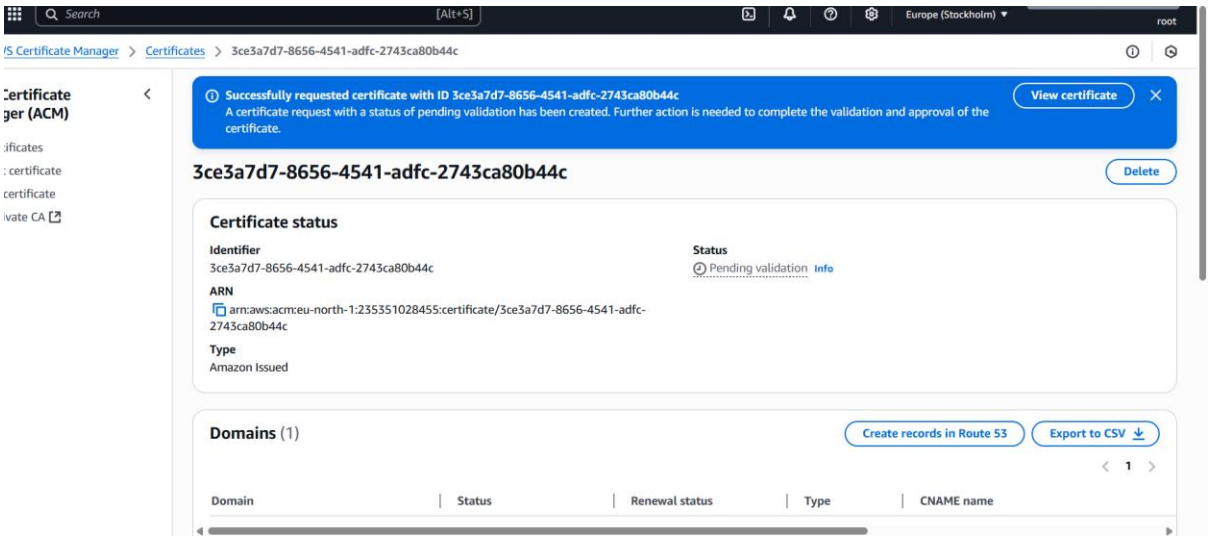
By using website url search in browser.



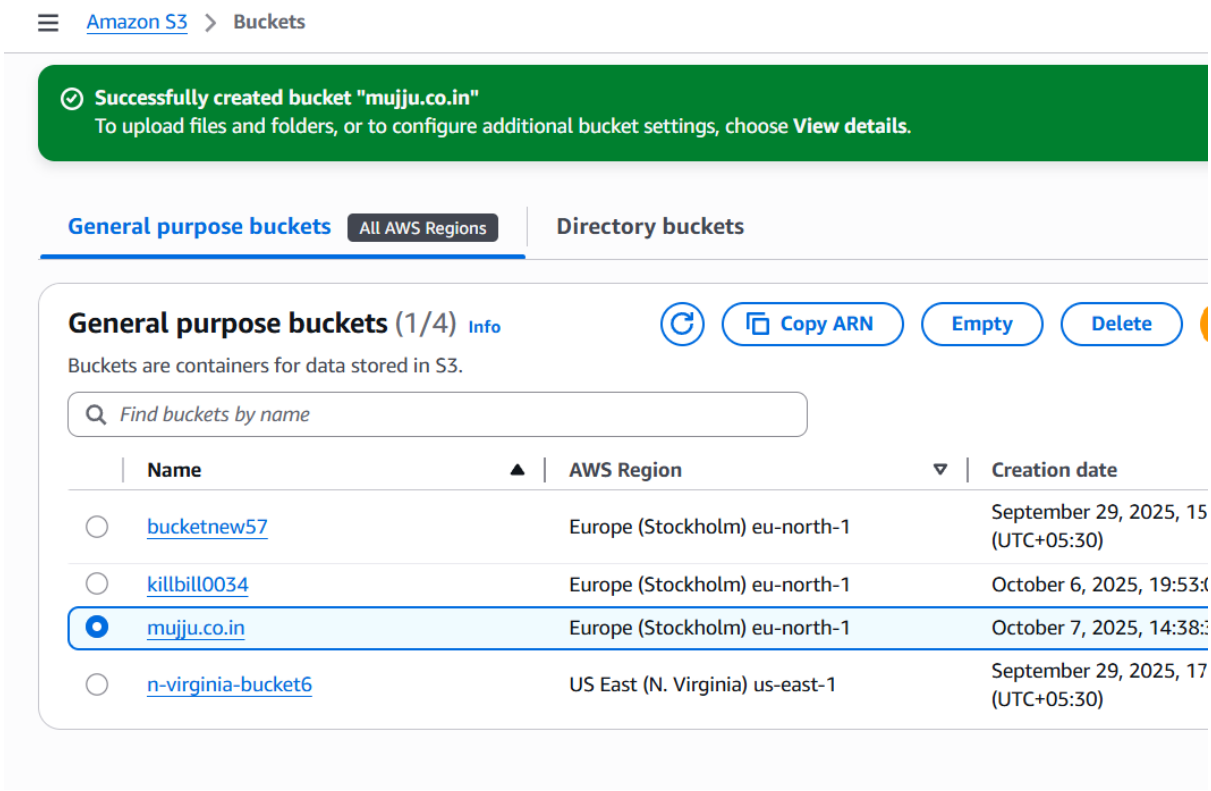
4.Create a CDN and attach one SSL certificate.

Go to AWS certificate manager then request certificate.

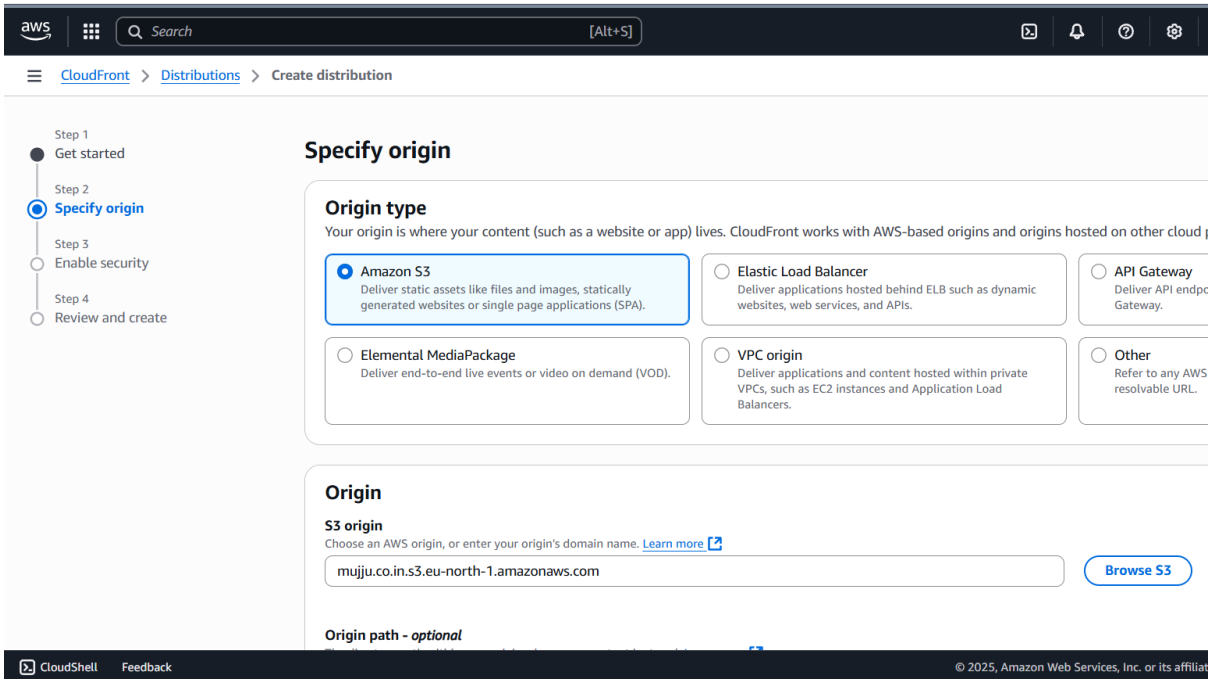


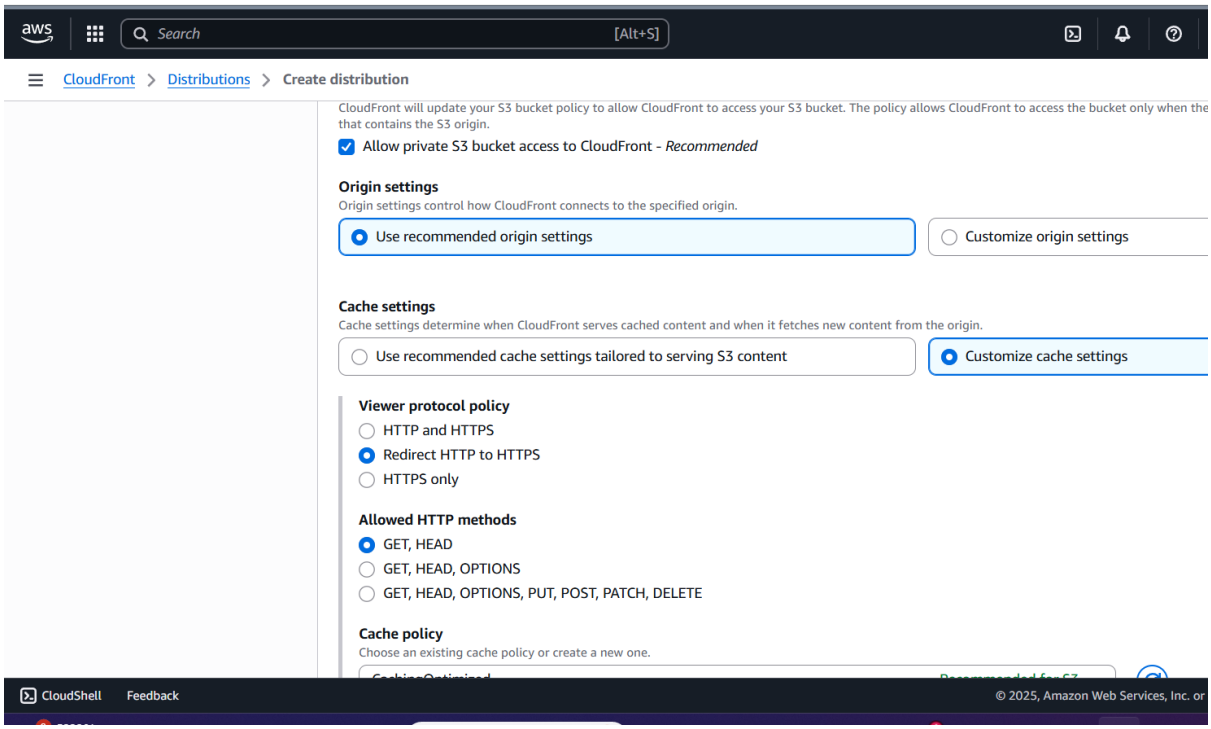


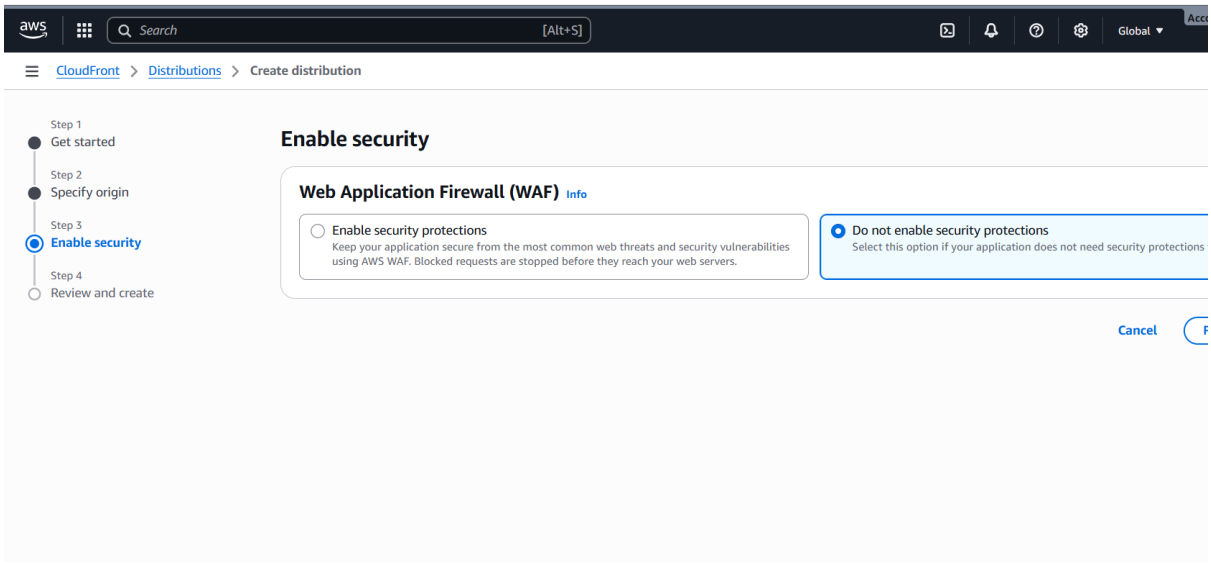
Go to S3 and create a bucket with the same name of domain.



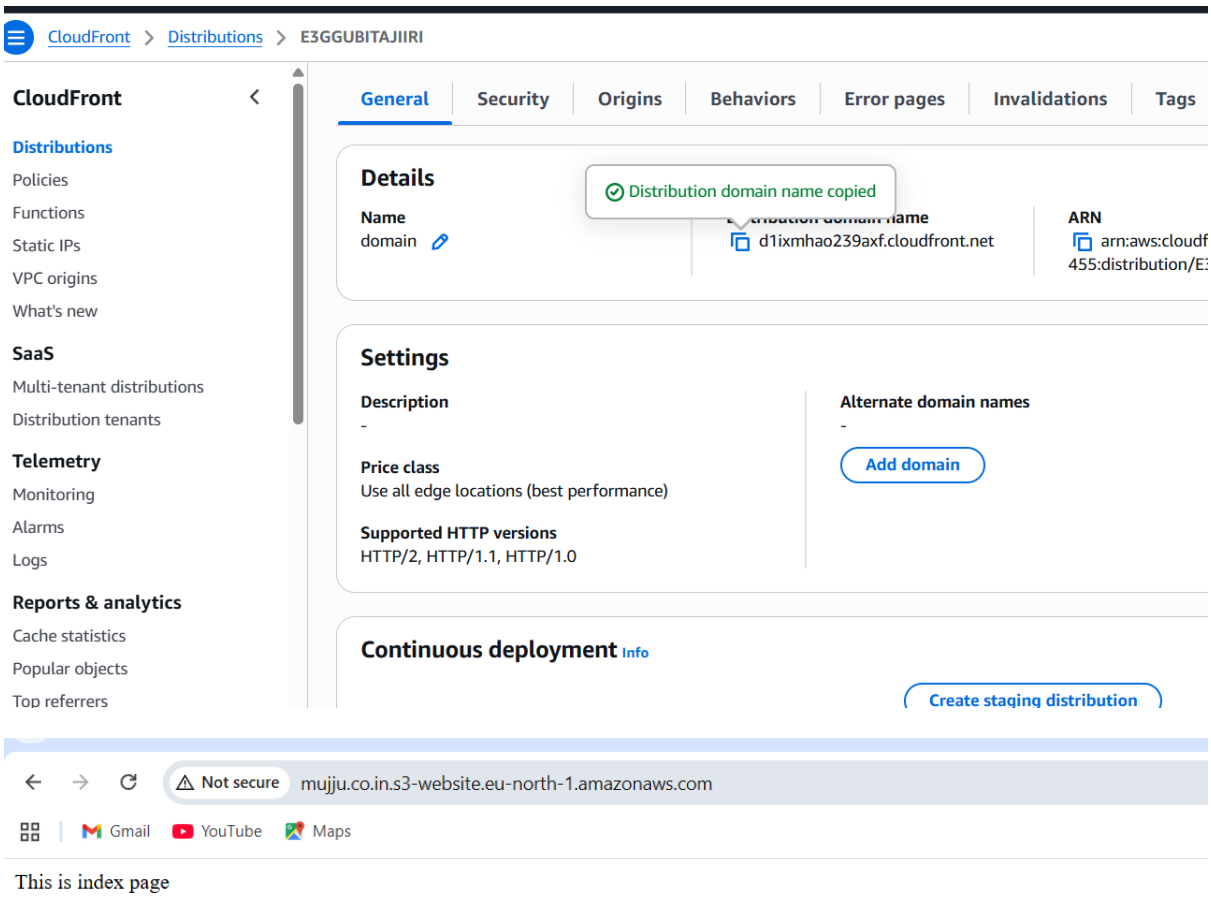
Go to cloudfront and create distribution





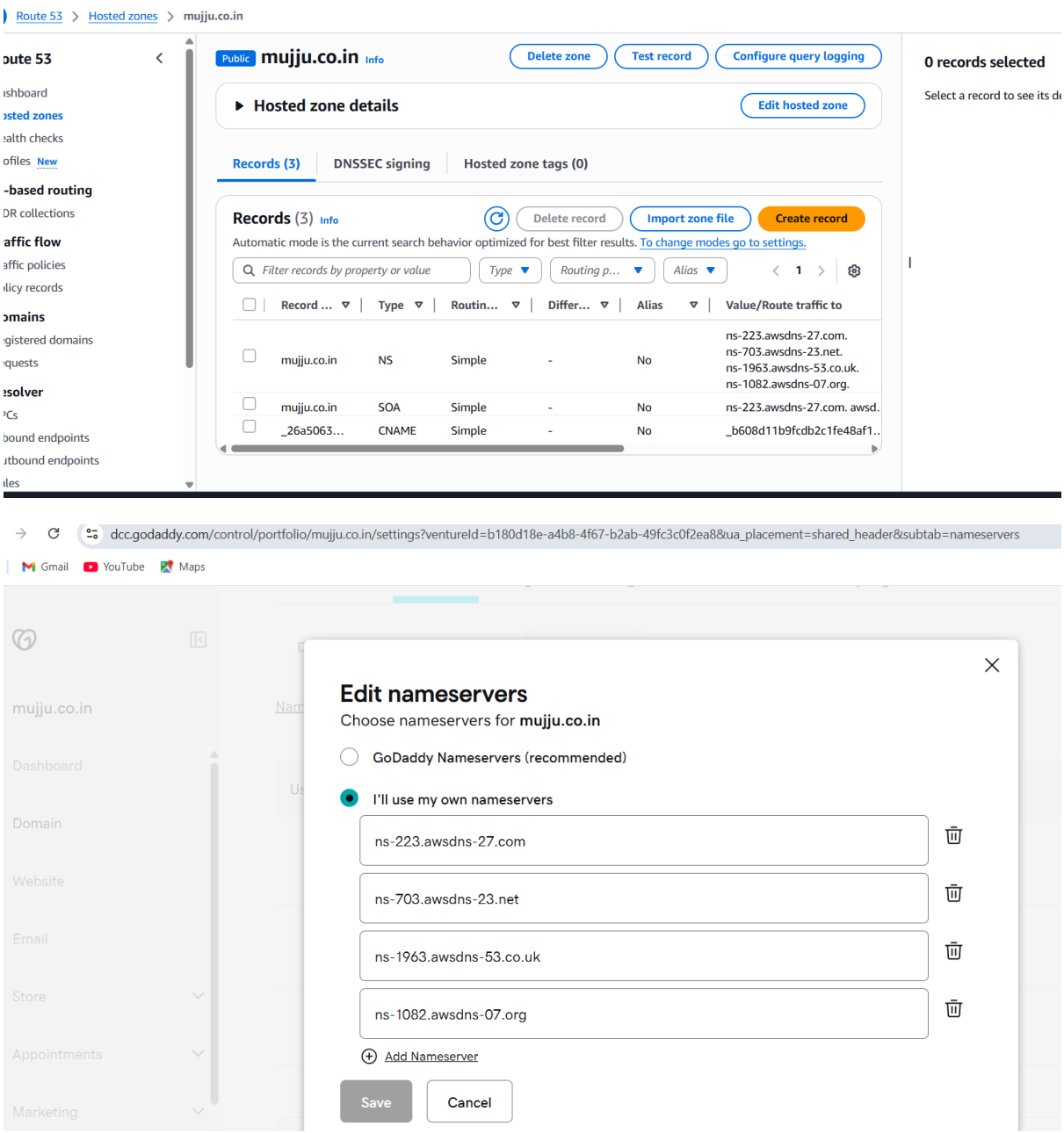


Go to cloud front and copy the domain name and check in the browser



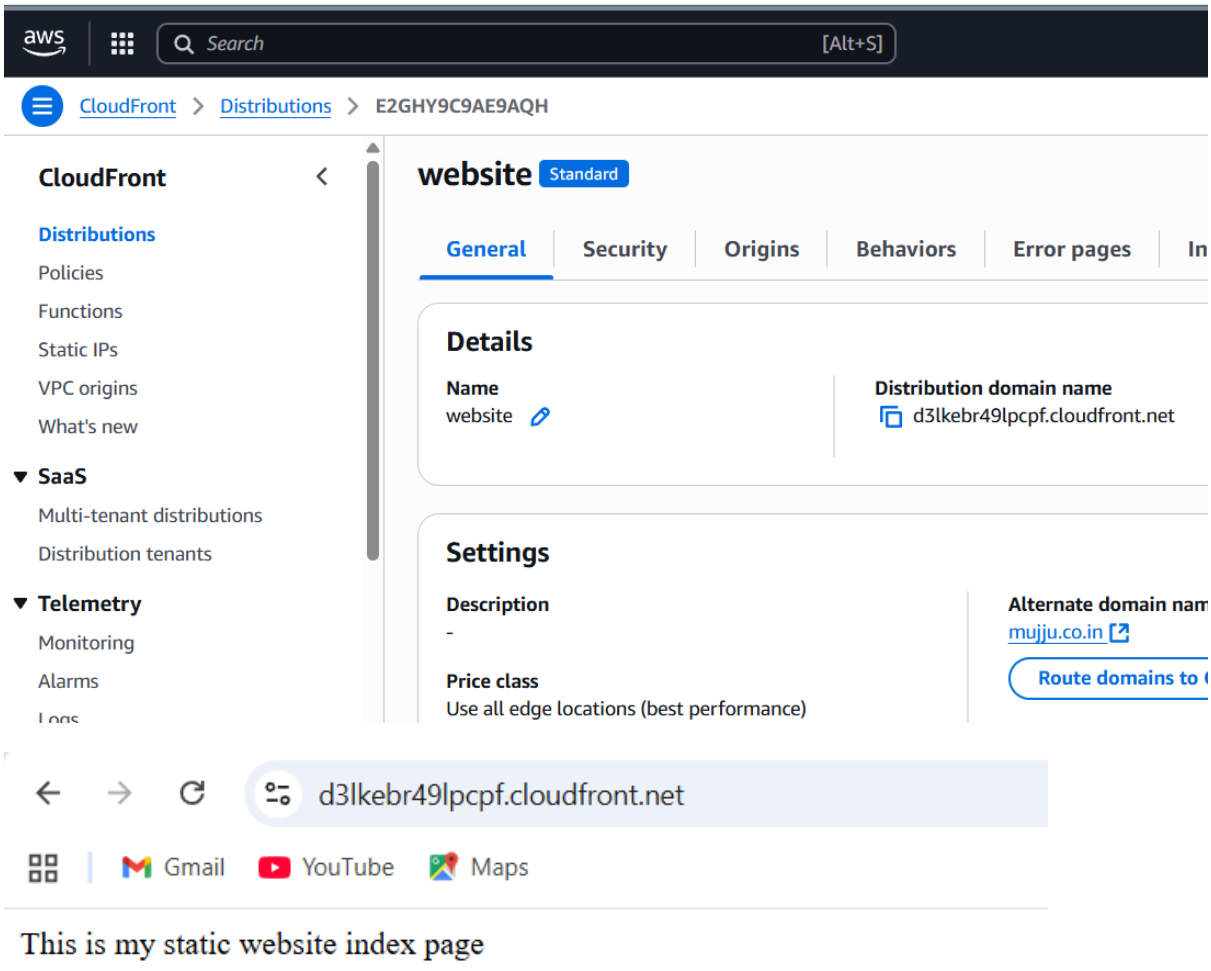
5.Create a Route 53 hosted zone and map the domain with the CDN.

Go to route53 and create records.select your domain name. there we will get 4 nameservers go to godaddy and paste those four NS and save it.



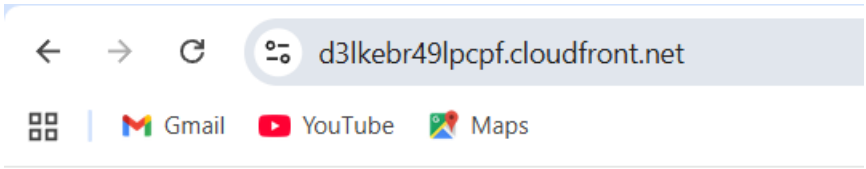
6. Update the index.html in the S3 bucket and ensure the updated file is accessible using the domain name.

Go to cloudfront distribution and copy the distribution name and paste in browser it will show the static website from cloudfront.



7.Share the domain name in Slack to test the connectivity.

mujju.co.in



This is my static website index page