

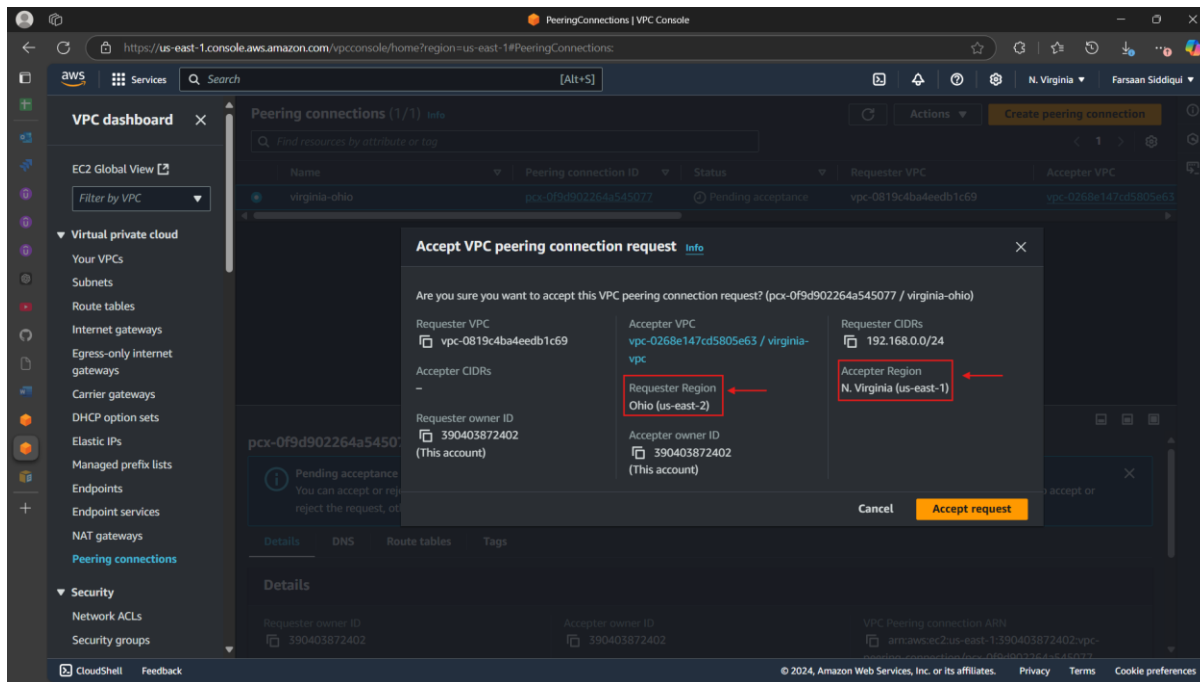
TASKS ON ROUTE53, S3, CLOUDFRONT

1. Configure VPC peering in cross regions

*CREATE VPC'S WITH 1 PRIVATE AND 1 PUBLIC SUBNET IN TWO DIFFERENT REGION

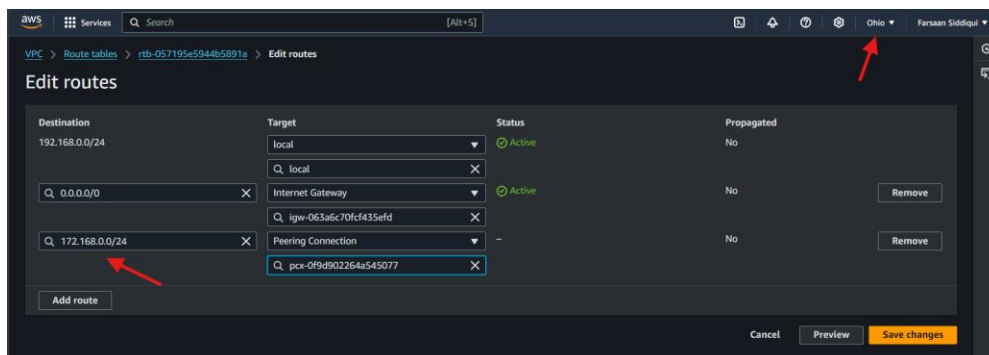
*GO TO PEERING CONNECTION AND FOLLOW THE STEPS AND ADD VPC OF DIFFERENT REGION BY SELECTING OPTION PROVIDED

*ACCEPT THE REQUEST IN THE REGION YOU PROVIDED BEFORE.

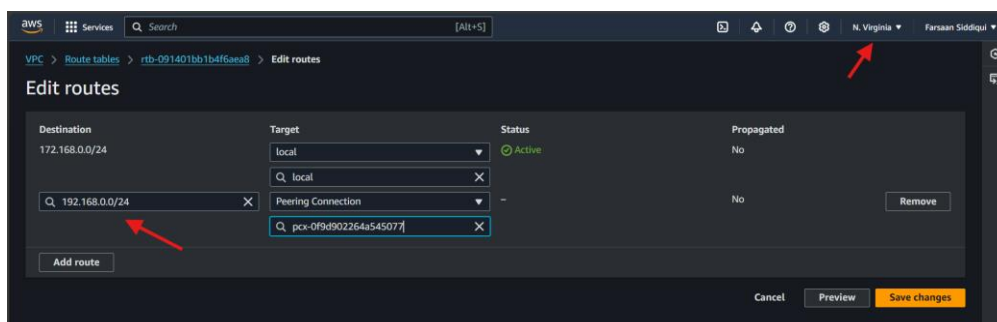


*ADD THE CIDR RANGE IN THE RT FOR BOTH REGION VPC

*ONE REGION IN PUBLIC RT



*ONE IN PRIVATE RT



*CREATE EC2 INSTANCE IN BOTH REGIONS (1 WITH PUBLIC SUBNET AND OTHER WITH PRIVATE SUBNET)

*LOGIN IN WITH THE INSTANCE WHICH HAS IGW THE PUBLIC ONE AND TRY PING THE PRIVATE IP OF INSTANCE CRETAEED WITH PRIVATE SUBNET WITH NO IGW

Instances (1/1) Info Last updated 6 minutes ago Connect Instance state ▼ Actions ▼ Launch instances ▼

Find Instance by attribute or tag (case-sensitive) All states ▼ < 1 > ⚙

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	test-virginia	i-0aef7c36f02cf70e0	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a

i-0aef7c36f02cf70e0 (test-virginia)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0aef7c36f02cf70e0	—	172.168.0.20
IPv6 address	Instance state	Public IPv4 DNS
—	Running	—
Hostname type	Private IP DNS name (IPv4 only)	
IP name: ip-172-168-0-20.ec2.internal	ip-172-168-0-20.ec2.internal	

```
ec2-user@ip-192-168-0-14:~  
[ec2-user@ip-192-168-0-14 ~]$ ping 172.168.0.20  
PING 172.168.0.20 (172.168.0.20) 56(84) bytes of data:  
64 bytes from 172.168.0.20: icmp_seq=1 ttl=255 time=10.6 ms  
64 bytes from 172.168.0.20: icmp_seq=2 ttl=255 time=11.5 ms  
64 bytes from 172.168.0.20: icmp_seq=3 ttl=255 time=10.5 ms  
64 bytes from 172.168.0.20: icmp_seq=4 ttl=255 time=10.5 ms  
64 bytes from 172.168.0.20: icmp_seq=5 ttl=255 time=10.9 ms  
64 bytes from 172.168.0.20: icmp_seq=6 ttl=255 time=10.5 ms  
^C  
--- 172.168.0.20 ping statistics ---  
6 packets transmitted, 6 received, 0% packet loss, time 5008ms  
rtt min/avg/max/mdev = 10.535/10.810/11.586/0.392 ms  
[ec2-user@ip-192-168-0-14 ~]$
```

2) PURCHASE ONE DOMAIN FROM GODADDY.

Your business



Diamond Tech
diamondtech.in
Website, Domain

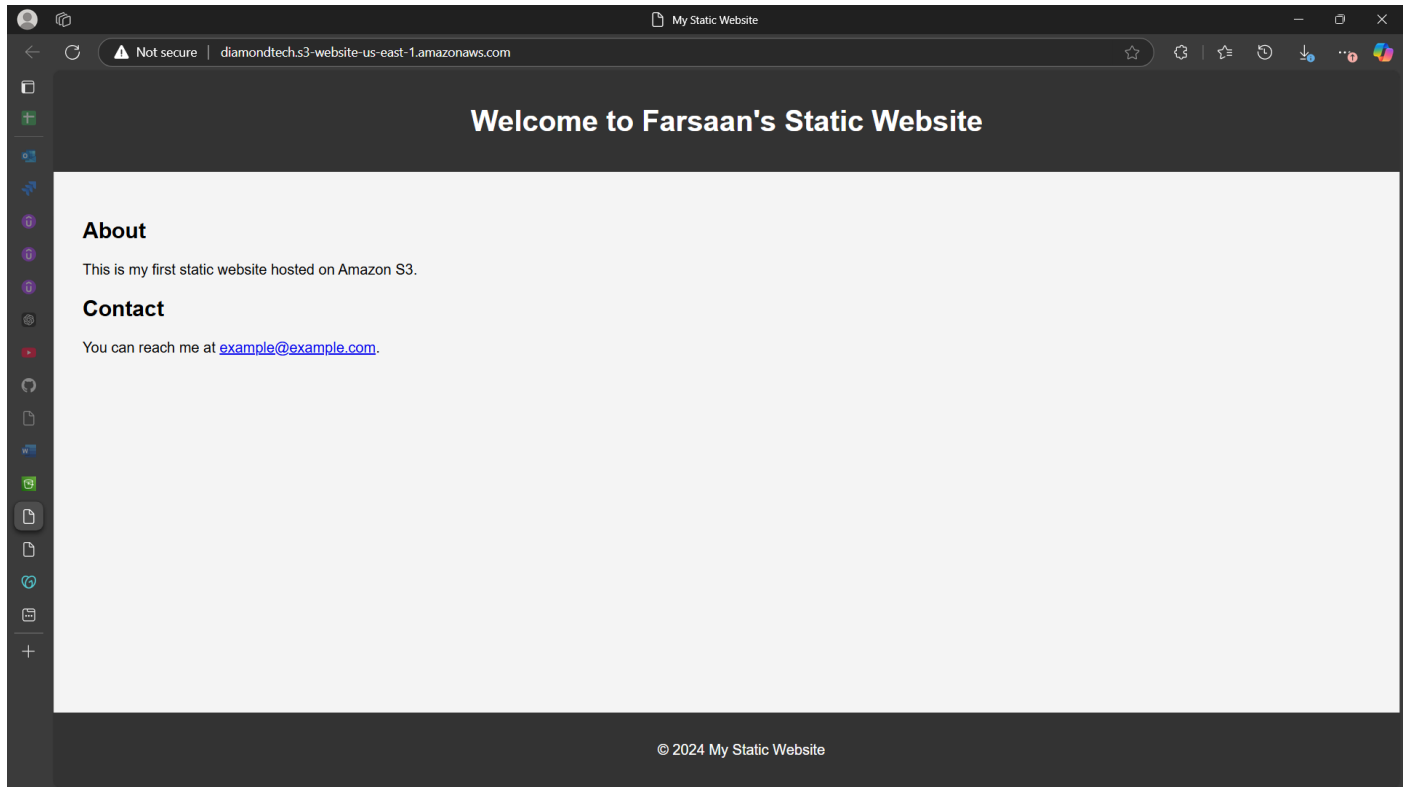
3) DEPLOY STATIC WEBSITE IN S3.

Bucket website endpoint

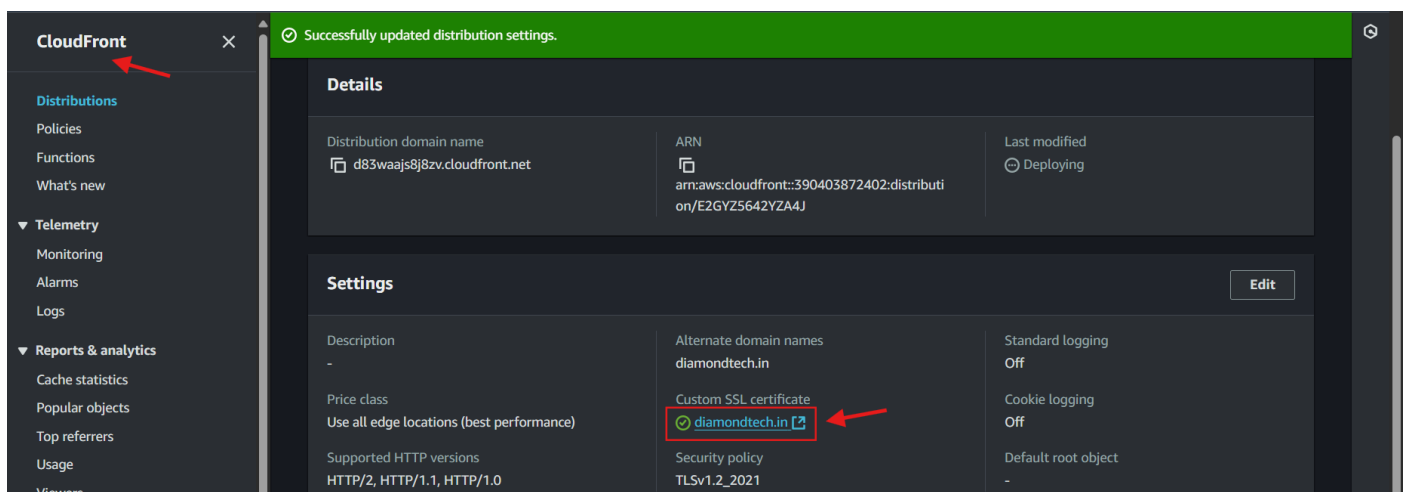
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://diamondtech.s3-website-us-east-1.amazonaws.com>

*CHECKING THE WEBSITE BY THE LINK OF S3 BUCKET



4) CREATE CDN AND ATTACH ONE SSL CERTIFICATE.



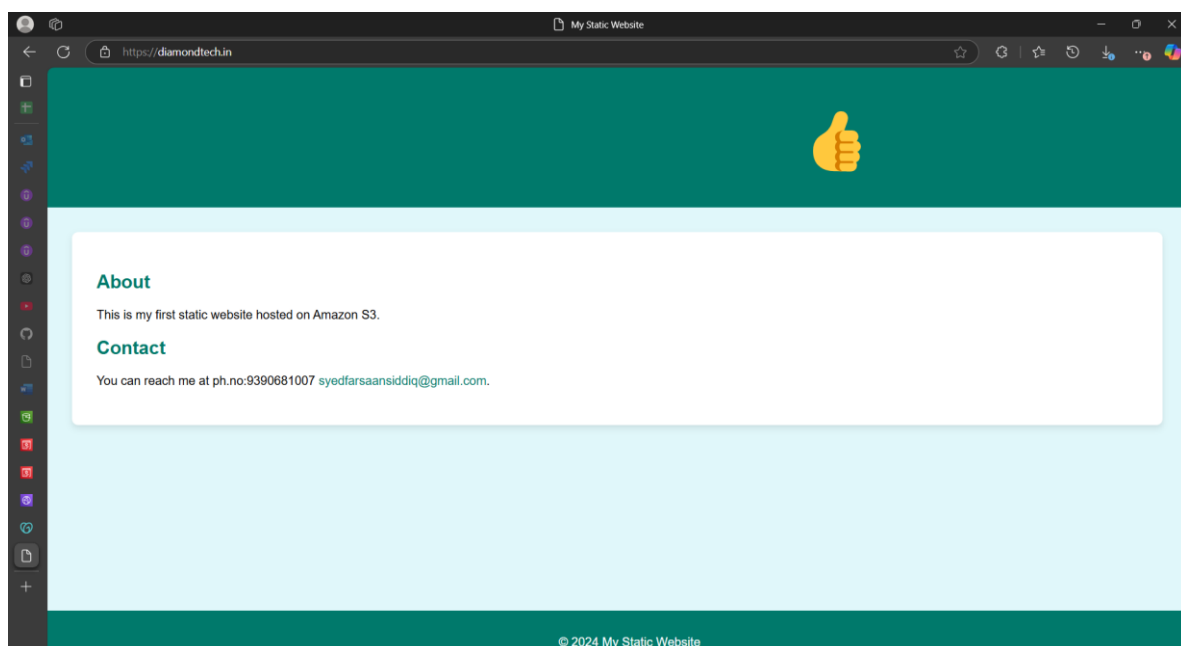
5) CREATE ROUTE53 HOSTED ZONE AND MAP THE DOMAIN WITH CDN.

*create record in route53 and click alias and select cloudfront and the value of cloudfront

The screenshot shows the AWS Route 53 console for the hosted zone **diamondtech.in**. The **Records (4)** tab is selected, showing a table of DNS records. The first record is highlighted, showing it is an **A** record with the value **d83waajs8j8zv.cloudfront.net.** and the **Alias** checkbox is checked. The **Record details** panel on the right shows the **Value** field with the same cloudfront URL.

Record	Type	Routing	Differ...	Alias	Value/Route tra
<input checked="" type="checkbox"/> diamondt...	A	Simple	-	Yes	d83waajs8j8zv.d
<input type="checkbox"/> diamondt...	NS	Simple	-	No	ns-840.awsdns-4
<input type="checkbox"/> diamondt...	SOA	Simple	-	No	ns-1841.awsdns-
<input type="checkbox"/> _dff8134...	CNAME	Simple	-	No	ns-313.awsdns-3

6) UPDATE THE INDEX.HTML IN S3 BUCKET AND THE UPDATED FILE SHOULD BE ACCESSIBLE BY USING DOMAIN NAME.



7) SHARE THE DOMAIN NAME IN SLACK TO TEST THE CONNECTIVITY.