

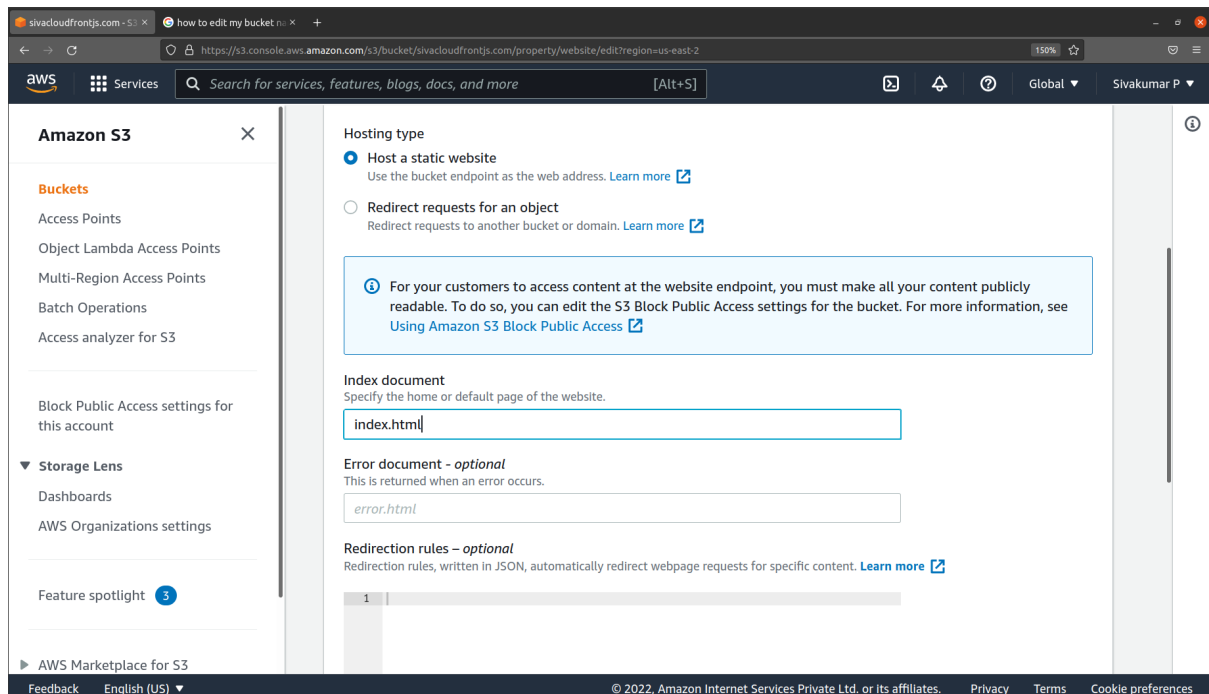
# Deploy static website to AWS with HTTPS - S3, Route 53, CloudFront, Certificate Manager

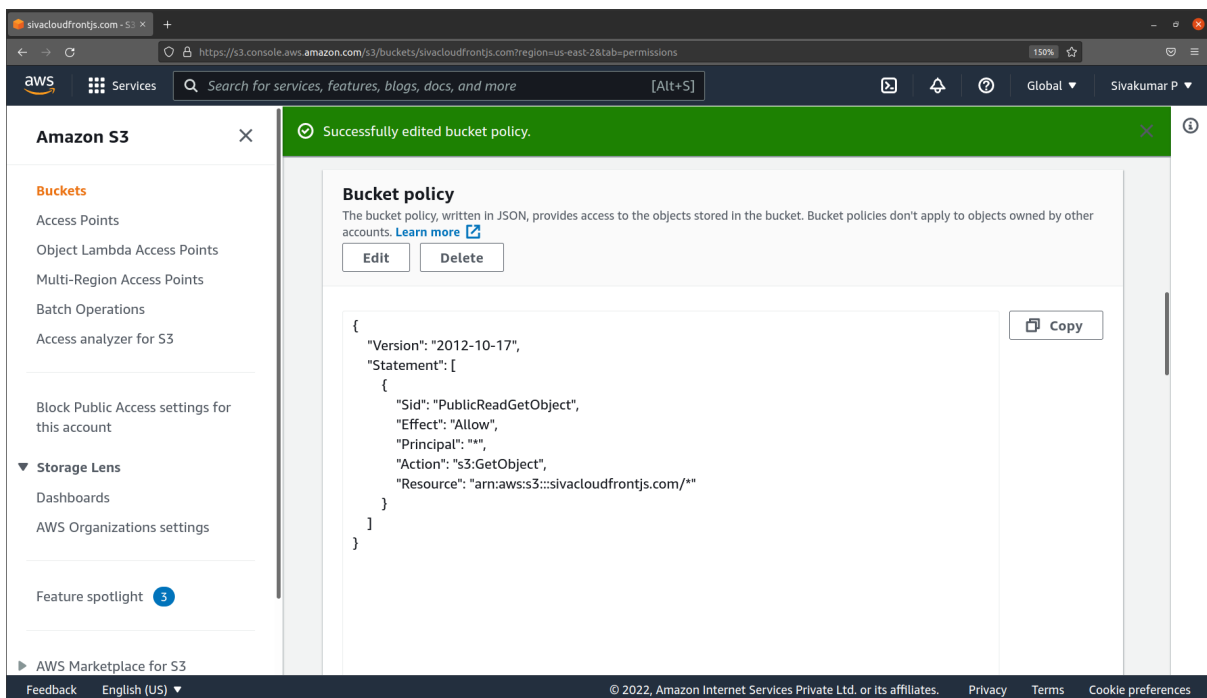
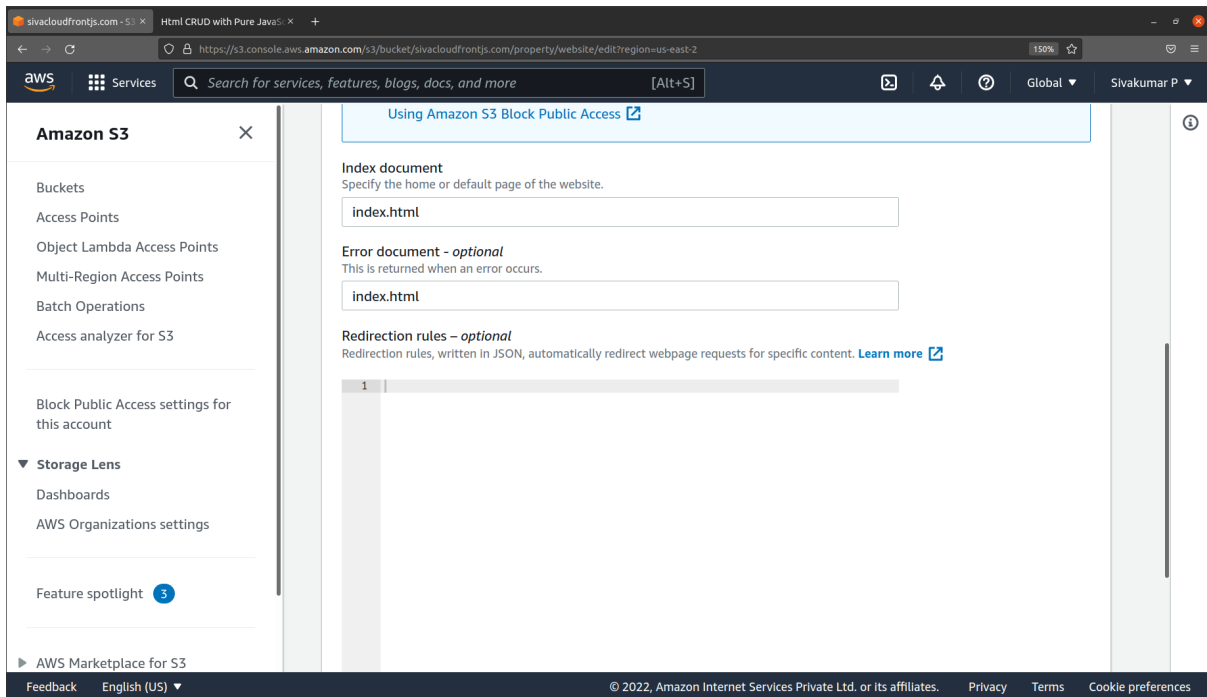
## Step1: Register Domain name using freenom.

Go to freenom website and search for domain name .For example I have searched to sivacloudfrontjs.tk in the search box. Only then you can get a domain name or else you cannot.

## Step 2: S3 Bucket creation and upload files.

Choose hosting type as host as static website. Choose index document as index.html and error document also as index.html and uncheck block all public access. After creating bucket edit your bucket policy then upload your files.

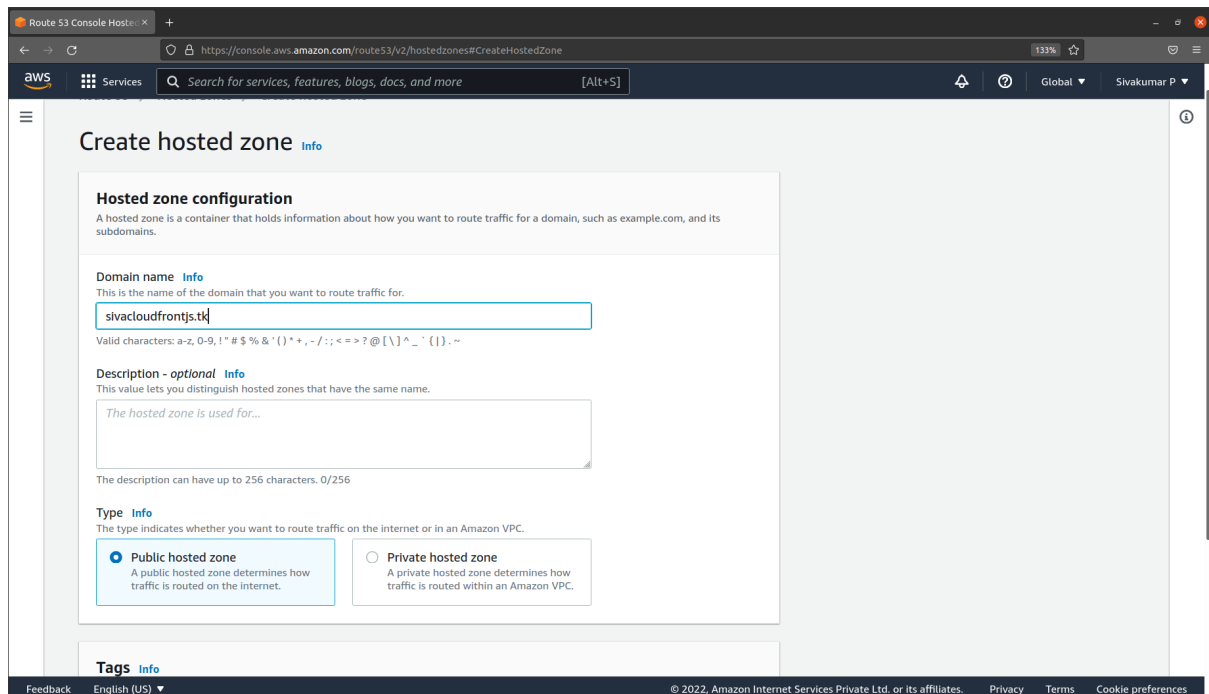
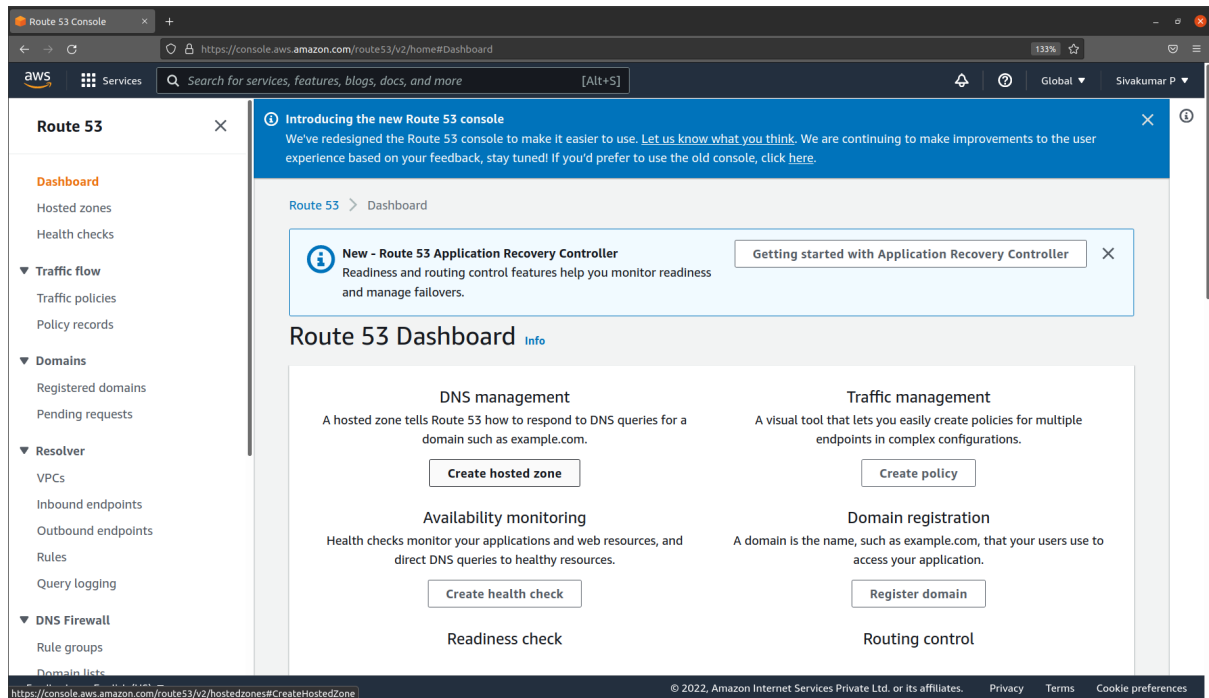


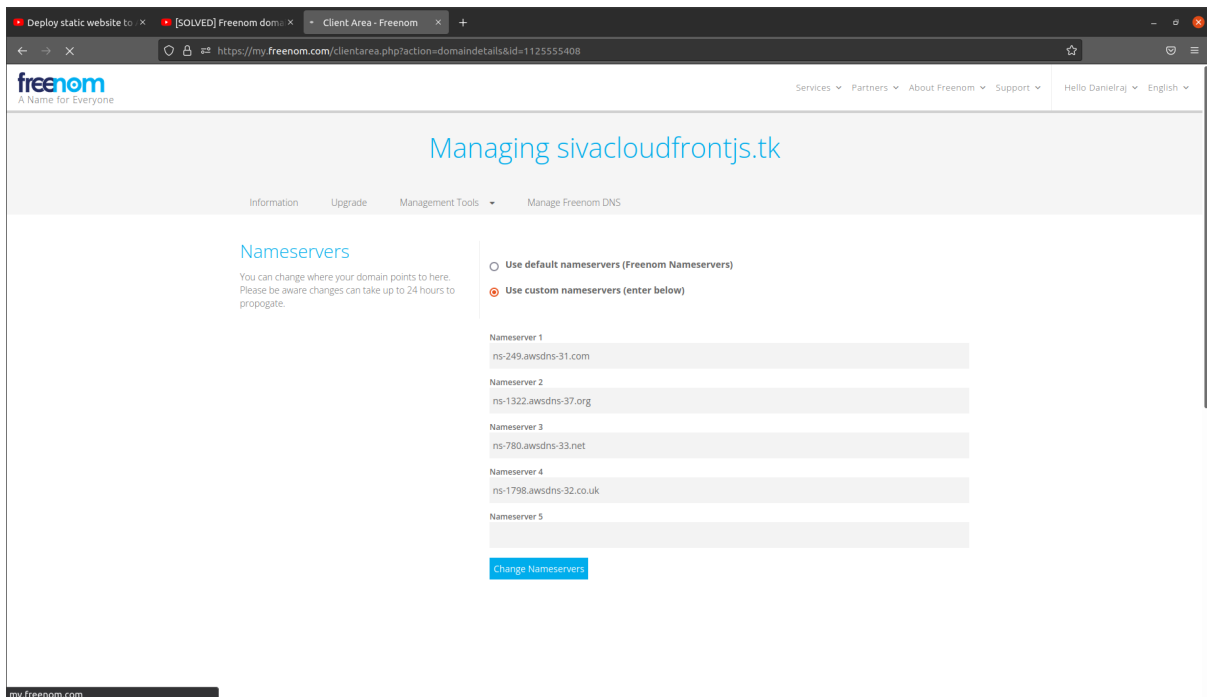
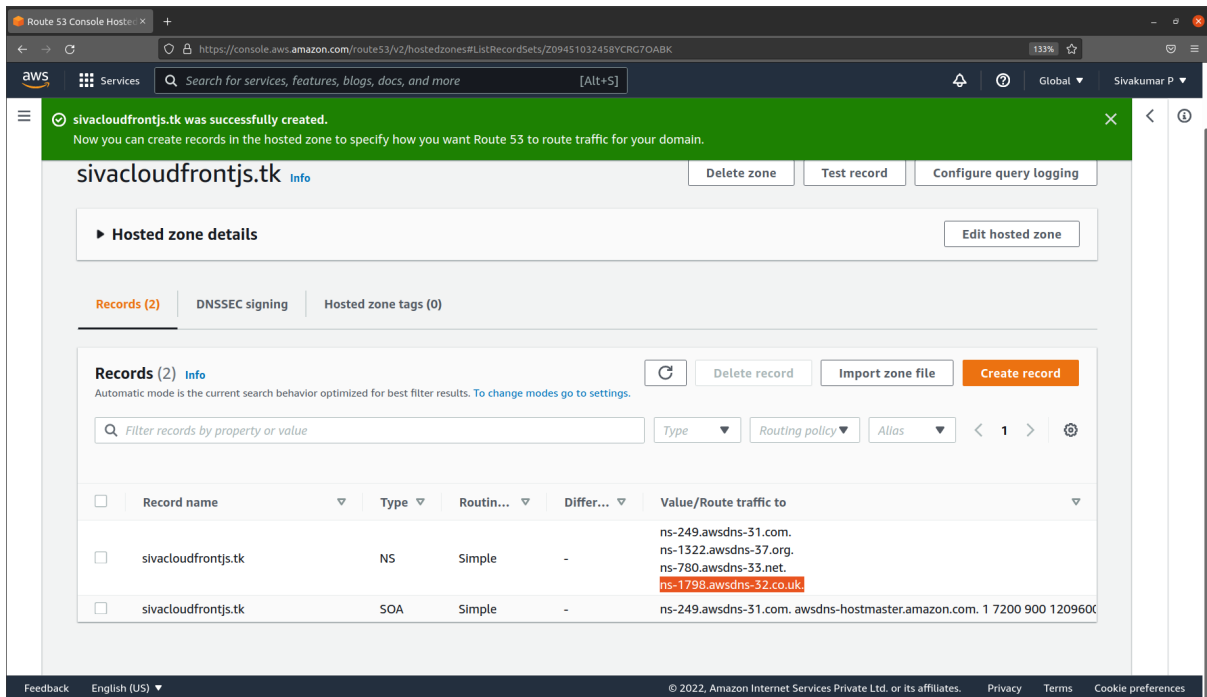


### Step 3: Add Route53 with this

Create a hosted zone as shown below you will see two default records at last as shown in 3rd image. Copy 4 vale/Route Traffic in the first record in 3 rd image of your hosted zone and go

to your freenom domain and click manage domain ----->management tools----->nameservers and paste these. Then go to step 4





## Step 4: Get Certificate from certificate manager

Type your freenom domain name here

AWS Certificate Manager

fully qualified domain n...

invalid domain name Ina...

+

←→↻https://console.aws.amazon.com/acm/home?region=us-east-1#/certificates/request/public133%☆🔍🔔🔔🔔N. VirginiaSivakumar P

Services

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[Alt+S]

AWS Certificate Manager > Certificates > Request certificate > Request public certificate

Request public certificate

Domain names

Fully qualified domain name [Info](#)

sivaclofrontjs.tk

Add another name to this certificate

You can add additional names to this certificate. For example, if you're requesting a certificate for "www.example.com", you might want to add the name "example.com" so that customers can reach your site by either name.

Select validation method [Info](#)

Select a method for validating domain ownership

☒ DNS validation - recommended

Choose this option if you are authorized to modify the DNS configuration for the domains in your certificate request.

☐ Email validation

Choose this option if you do not have permission or cannot obtain permission to modify the DNS configuration for the domains in your certificate request.

Tags [Info](#)

To help you manage your certificates you can optionally assign your own metadata to each resource in the form of tags.

Feedback

English (US)

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AWS Certificate Manager

fully qualified domain n...

invalid domain name Ina...

+

←→↻https://console.aws.amazon.com/acm/home?region=us-east-1#/certificates/ae2a90b4-4094-4a62-9e06-a628f89d48ec133%☆🔍🔔🔔🔔N. VirginiaSivakumar P

Services

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[Alt+S]

AWS Certificate Manager > Certificates > ae2a90b4-4094-4a62-9e06-a628f89d48ec

ae2a90b4-4094-4a62-9e06-a628f89d48ec

Delete

Certificate status

Identifier

ae2a90b4-4094-4a62-9e06-a628f89d48ec

Status

Pending validation

ARN

arn:aws:acm:us-east-1:128959570200:certificate/ae2a90b4-4094-4a62-9e06-a628f89d48ec

Detailed status

The status of this certificate request is "Pending validation". Further action is needed to validate and approve the certificate. [Info](#)

Type

Amazon issued

Domains (1)

Create records in Route 53

Export to CSV

< 1 >

Domain	Status	Renewal status	Type	CNAME name	CNAME value
sivaclofrontjs.tk	Pending validation	-	CNAME	_od8fae31743025bb2b4fc2020149c276.sivaclofrontjs.tk.	_fbc2302aafb86b196dfcf37e3f244291.cnsqthfrdk.acm-validations.aws.

Feedback

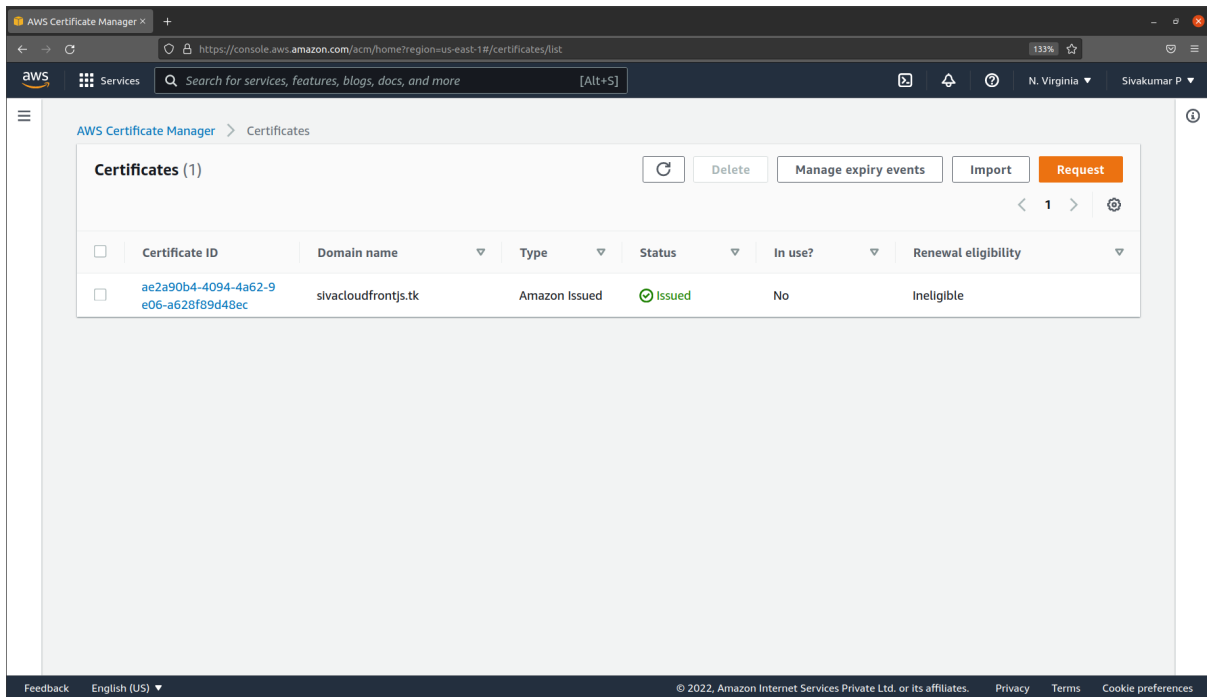
English (US)

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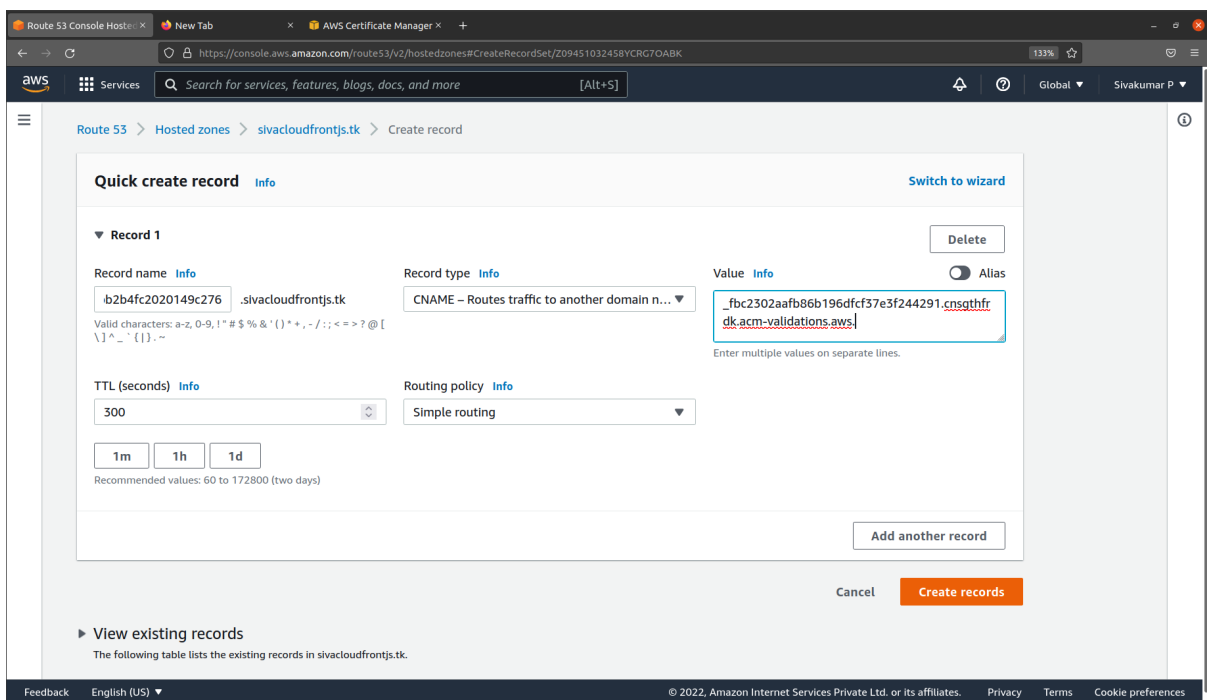
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Copy CNAME name and CNAME value of this certificate and go to same route 53 again and create new record like shown below.



**Step 5: Create cloudfront distribution and connect these all.**

Deploy static website to
[SOLVED] Freenom domi
Client Area - Freenom
CloudFront

https://console.aws.amazon.com/cloudfront/v3/home?region=us-east-1#/distributions/create
133%

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## Origin

**Origin domain**  
Choose an AWS origin, or enter your origin's domain name.

sivacloudfrontjs.com.s3.us-east-2.amazonaws.com

**Origin path - optional** [Info](#)  
Enter a URL path to append to the origin domain name for origin requests.

Enter the origin path

**Name**  
Enter a name for this origin.

sivacloudfrontjs.com.s3.us-east-2.amazonaws.com

**S3 bucket access** [Info](#)  
Use a CloudFront origin access identity (OAI) to access the S3 bucket.

☒ Don't use OAI (bucket must allow public access)
☐ Yes use OAI (bucket can restrict access to only CloudFront)

**Add custom header - optional**  
CloudFront includes this header in all requests that it sends to your origin.

Add header

**Enable Origin Shield** [Info](#)  
Origin Shield is an additional caching layer that can help reduce the load on your origin and help protect its availability.

☒ No

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Deploy static website to
[SOLVED] Freenom domi
Client Area - Freenom
CloudFront

https://console.aws.amazon.com/cloudfront/v3/home?region=us-east-1#/distributions/create
133%

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Choose the price class associated with the maximum price that you want to pay.

☒ Use all edge locations (best performance)
☐ Use only North America and Europe
☐ Use North America, Europe, Asia, Middle East, and Africa

**AWS WAF web ACL - optional**  
Choose the web ACL in AWS WAF to associate with this distribution.

Choose web ACL

**Alternate domain name (CNAME) - optional**  
Add the custom domain names that you use in URLs for the files served by this distribution.

sivacloudfrontjs.tk Remove

Add item

**To add a list of alternative domain names, use the [bulk editor](#).**

**Custom SSL certificate - optional**  
Associate a certificate from AWS Certificate Manager. The certificate must be in the US East (N. Virginia) Region (us-east-1).

Choose certificate

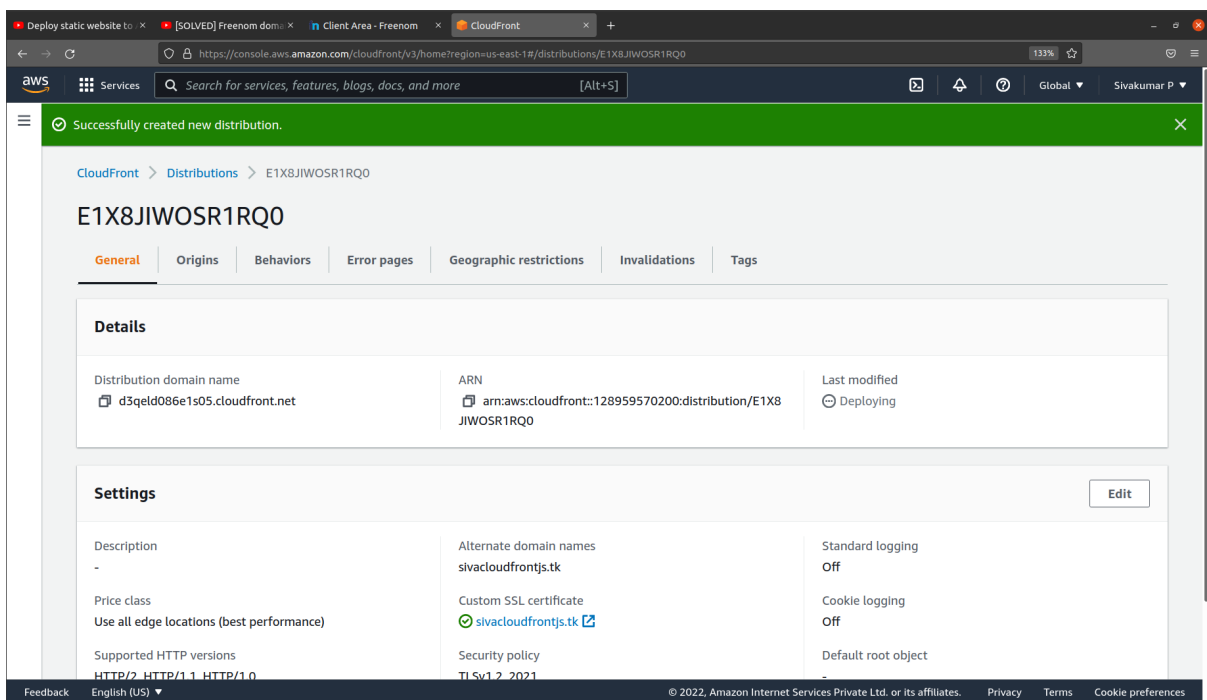
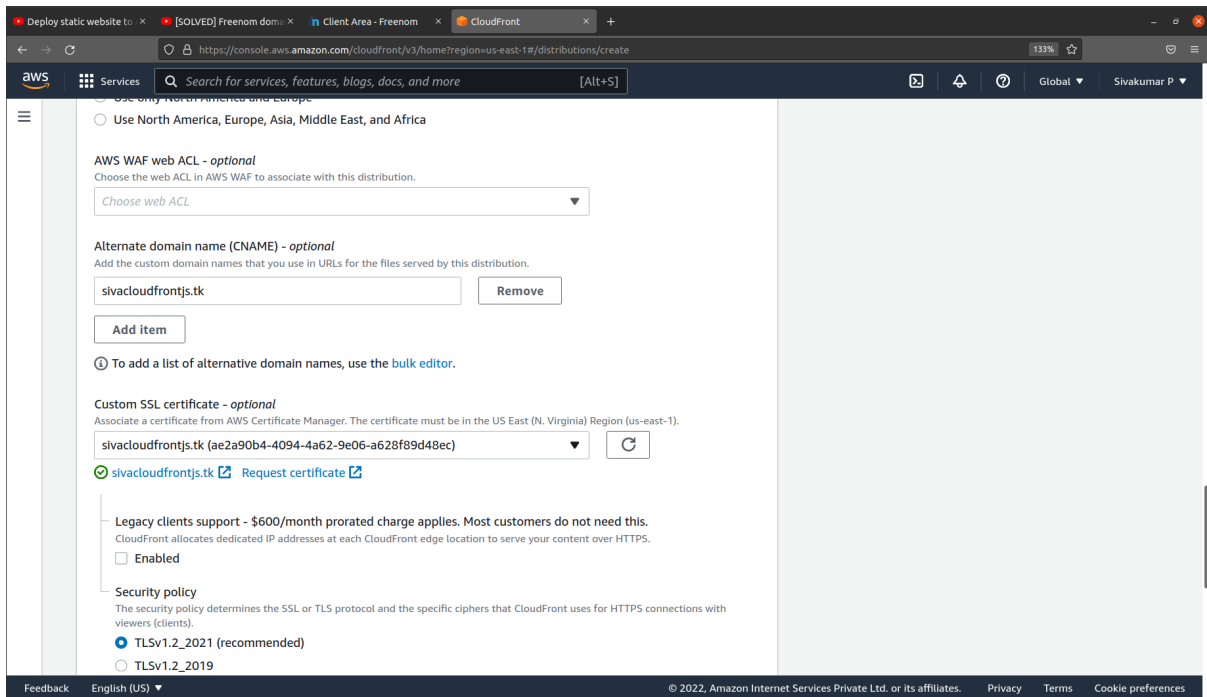
[Request certificate](#)

**Supported HTTP versions**  
Add support for additional HTTP versions. HTTP/1.0 and HTTP/1.1 are supported by default.

☒ HTTP/2

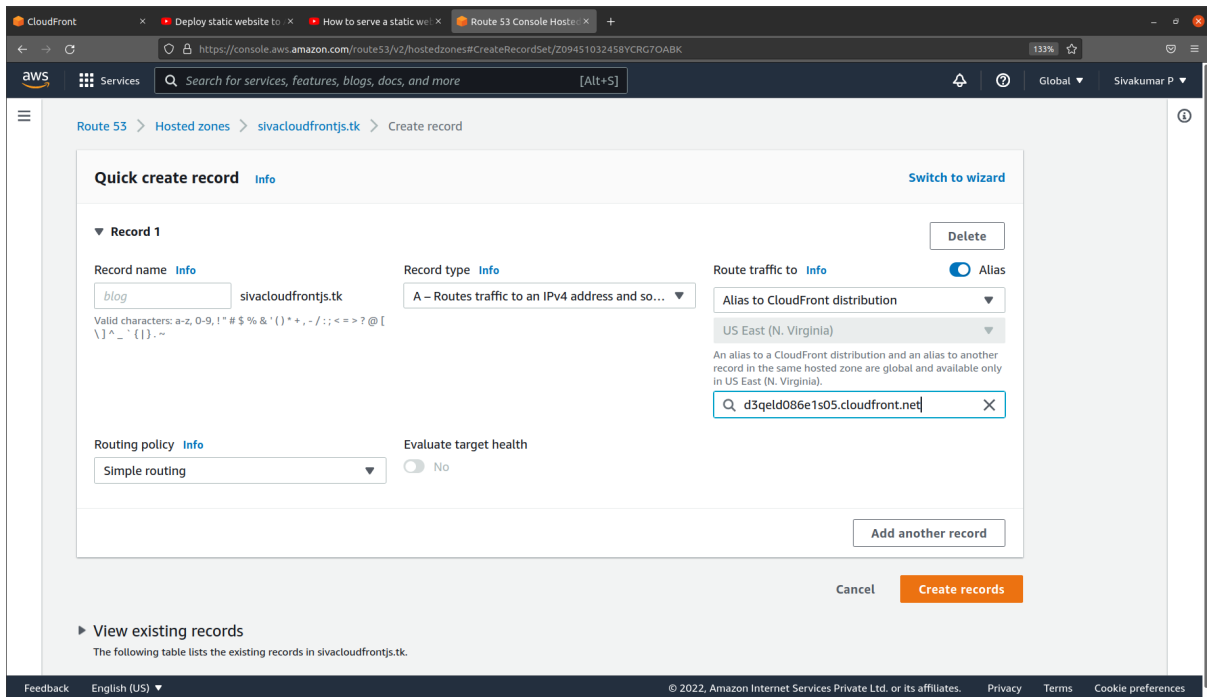
**Default root object - optional**  
The object (file name) to return when a viewer requests the root URL (/) instead of a specific object.

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Again go to route 53 and create a record with no record name, like tis





At last enable cloudfront distribution and click on its distribution domain name you will get the web page,

