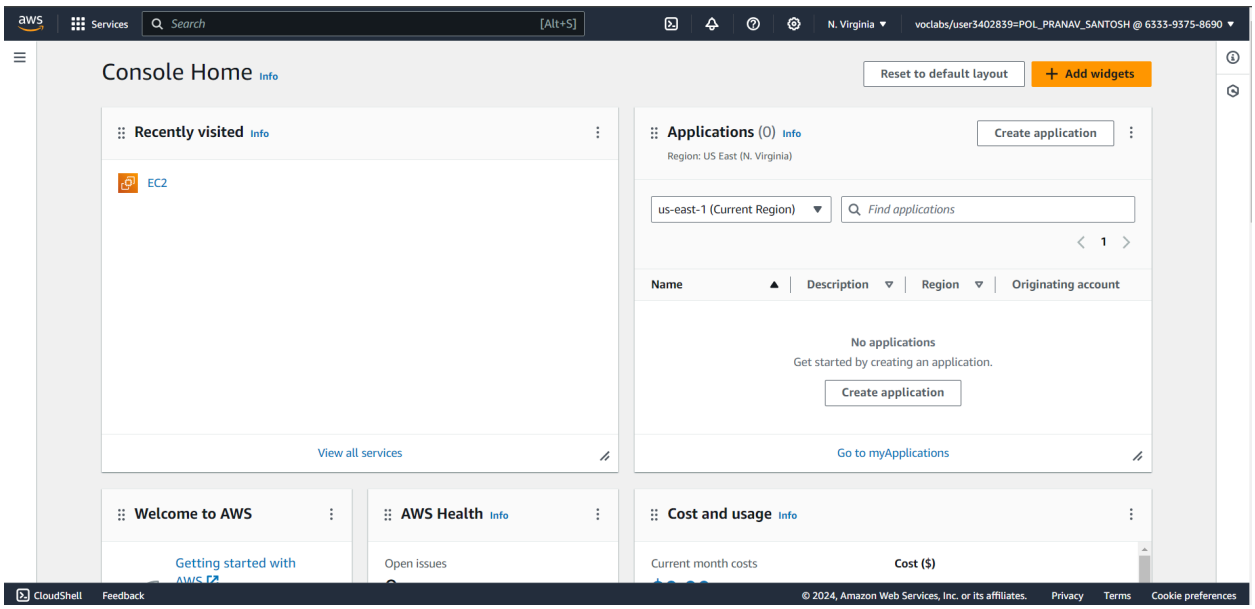
EXPERIMENT NO. 1

NAME : PRANAV POL CLASS : D15A ROLL NO. : 42

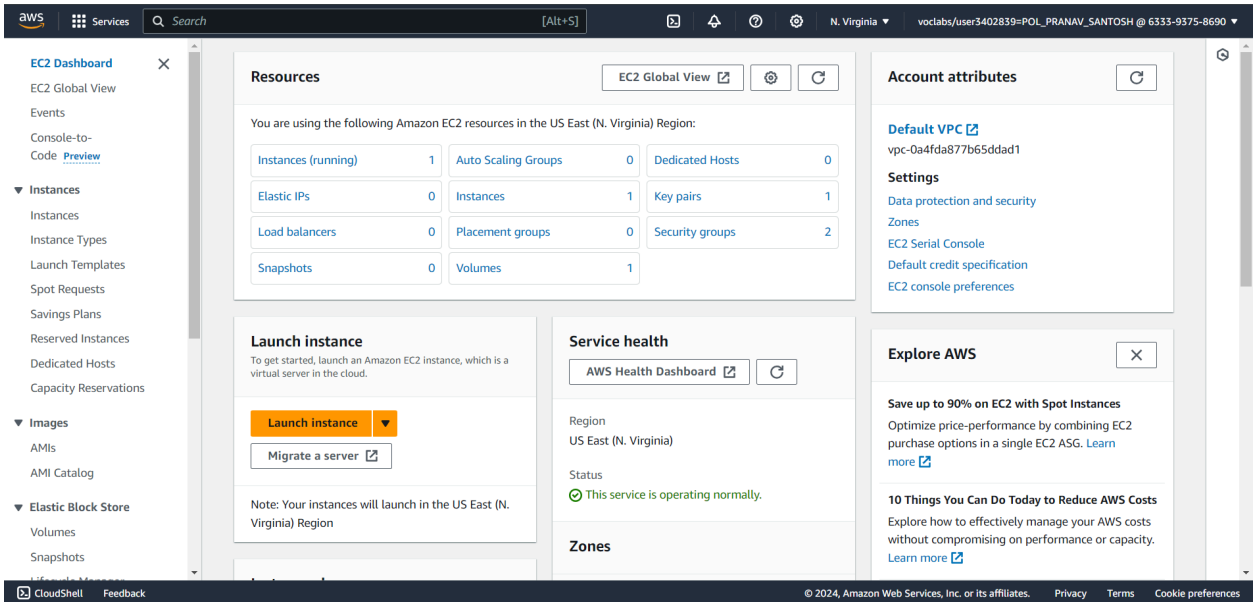
Aim : To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE,Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

EC2 Instance Creation and static site hosting

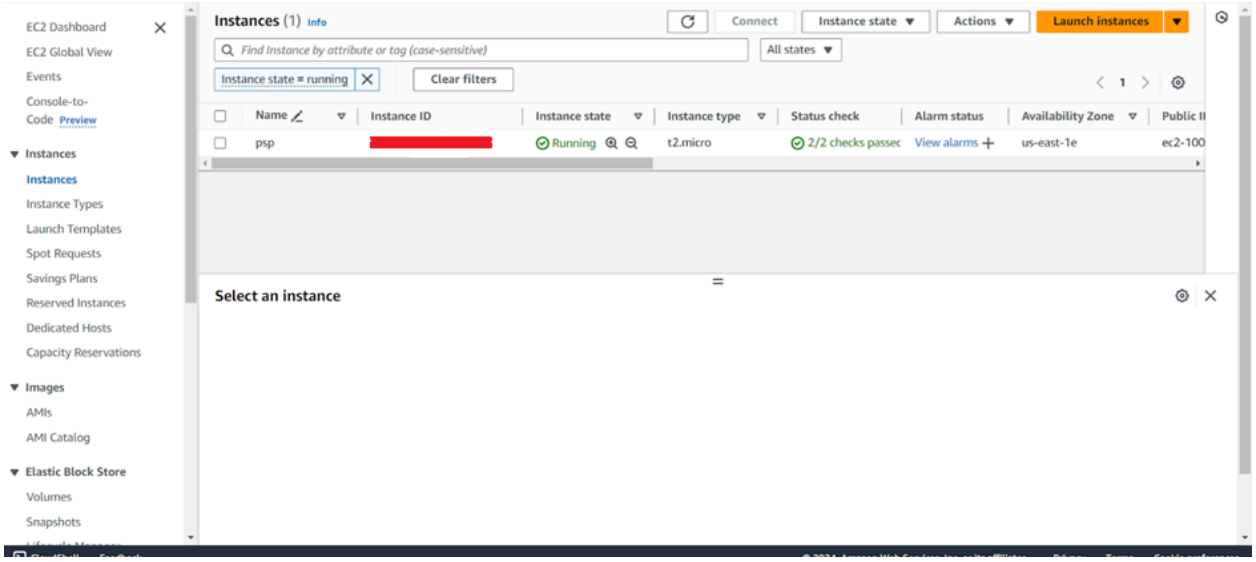
1) Login to your AWS account



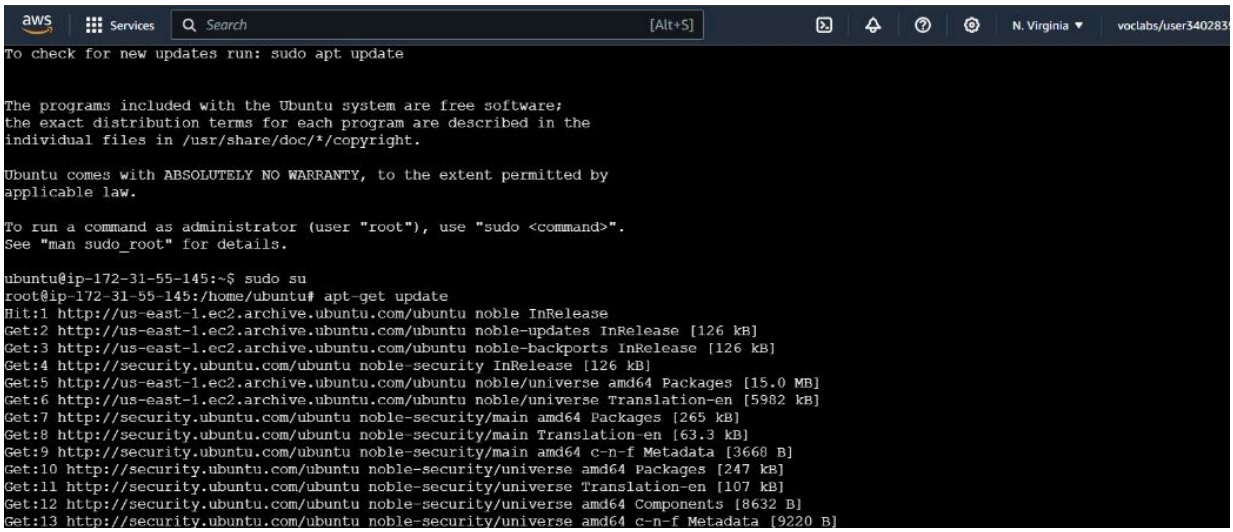
2) Click on EC2 and then create an instance by clicking on instances



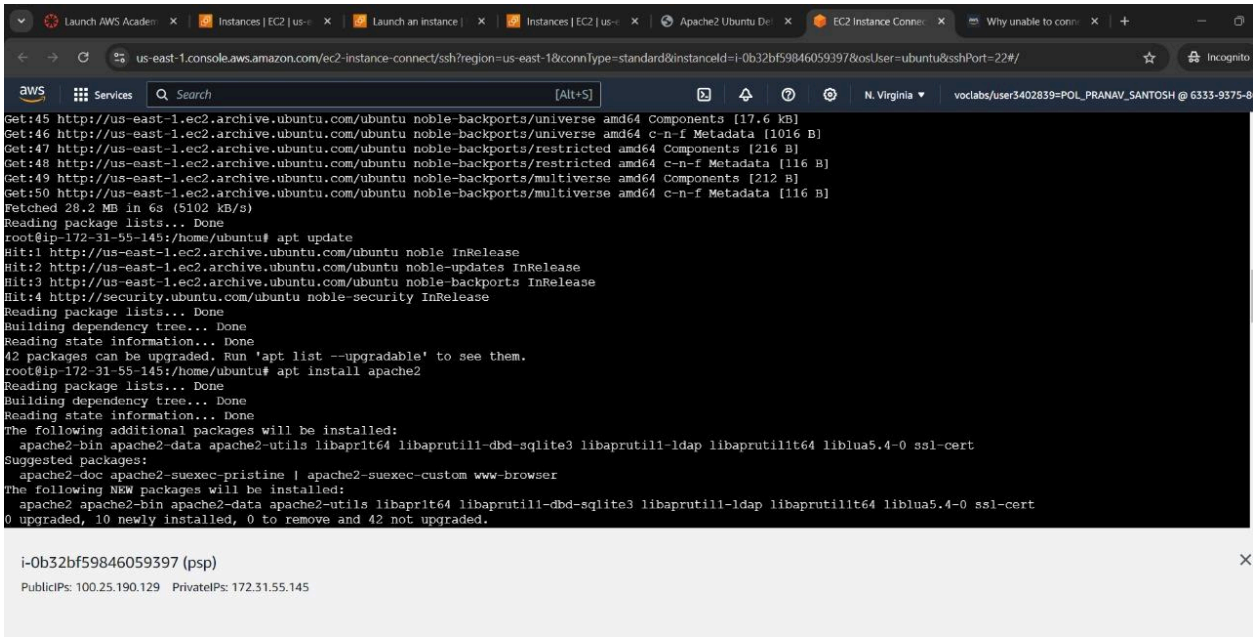
3) After an instance is created wait for it to come to Running state

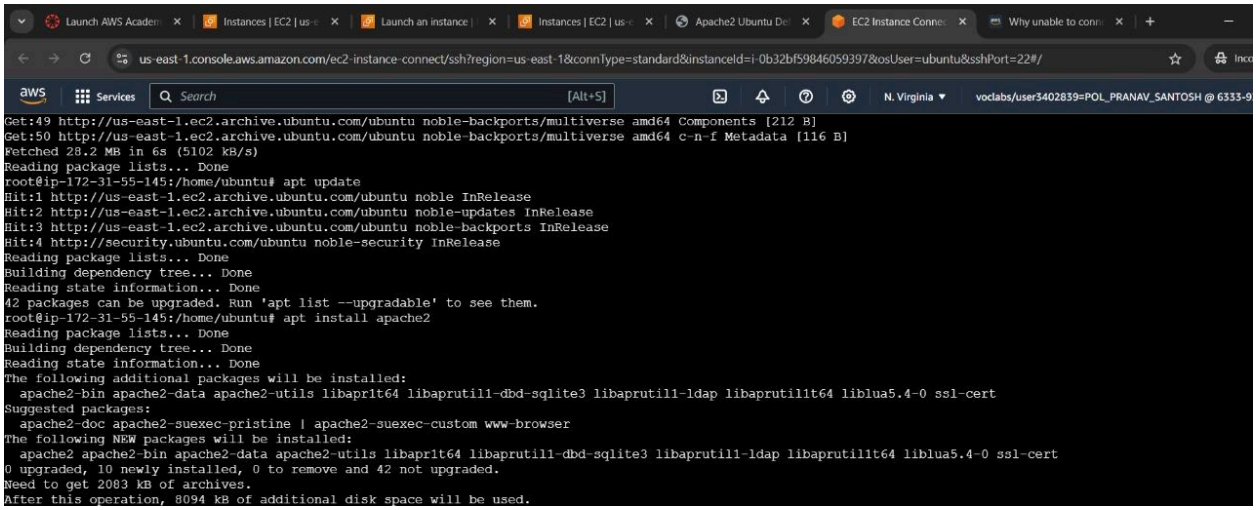


4) After doing that you will see this UI

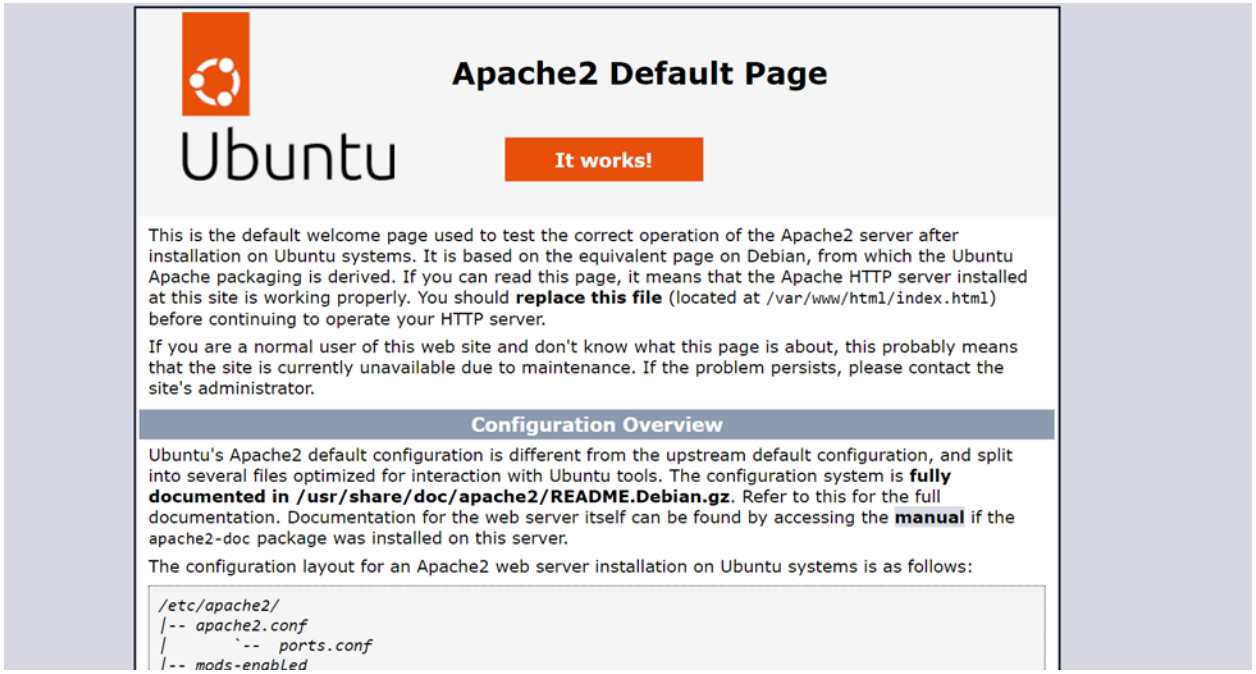


5) Follow these steps and then run these commands

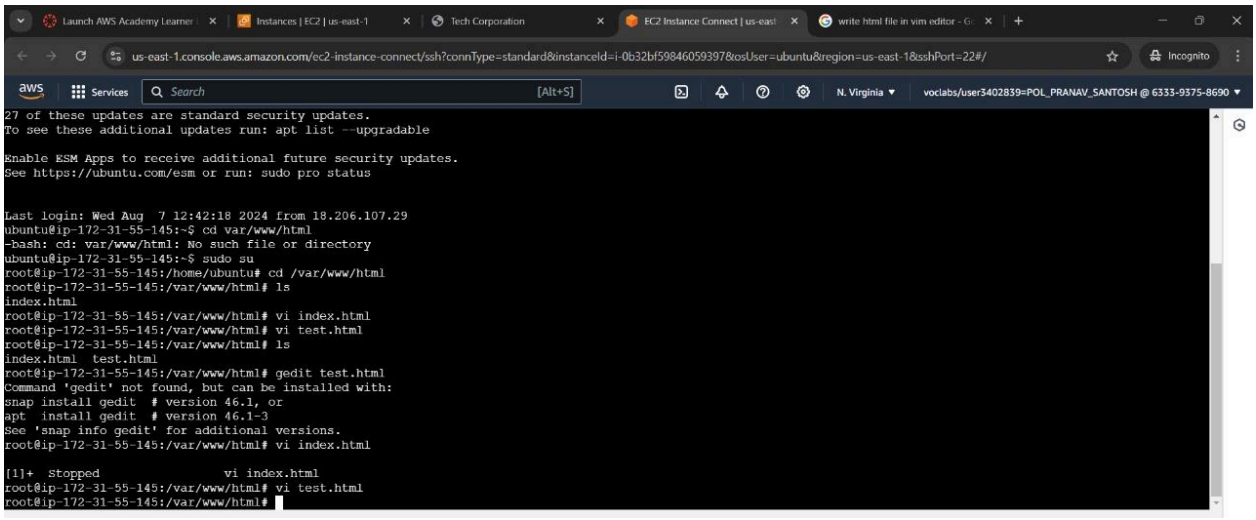




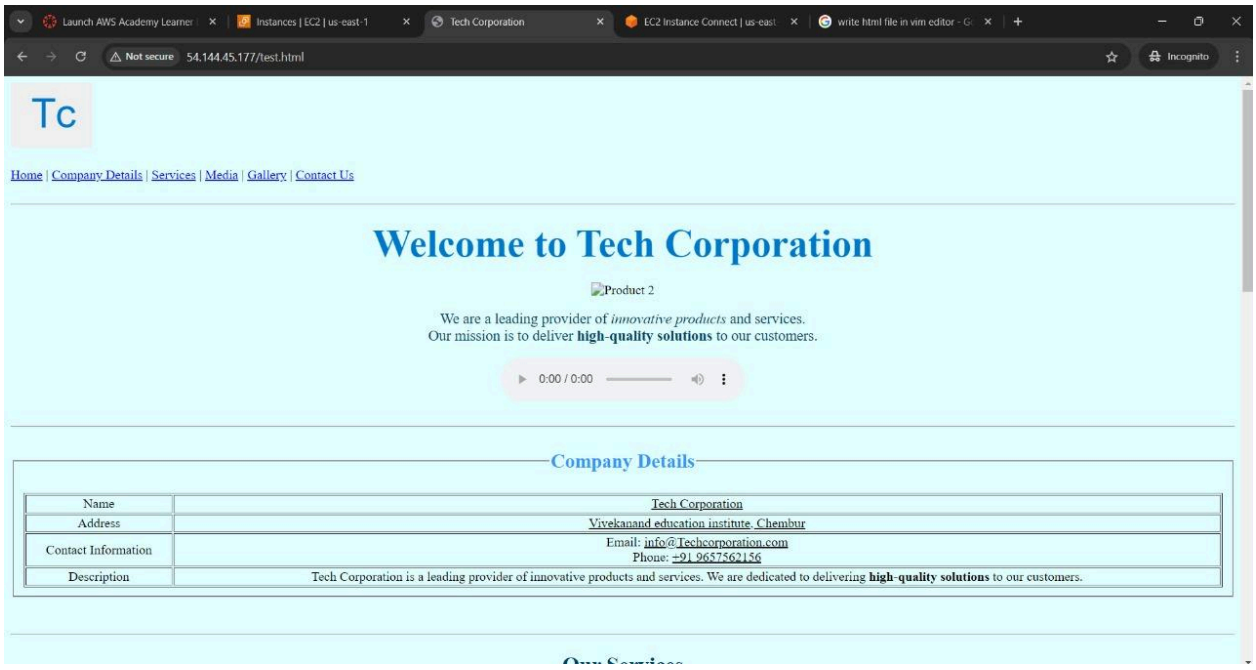
6) After that the ip-address which was given while running the instance, copy that and paste that on chrome, make sure that it is http and not https



7) Create a file using vi command and save it using :wq

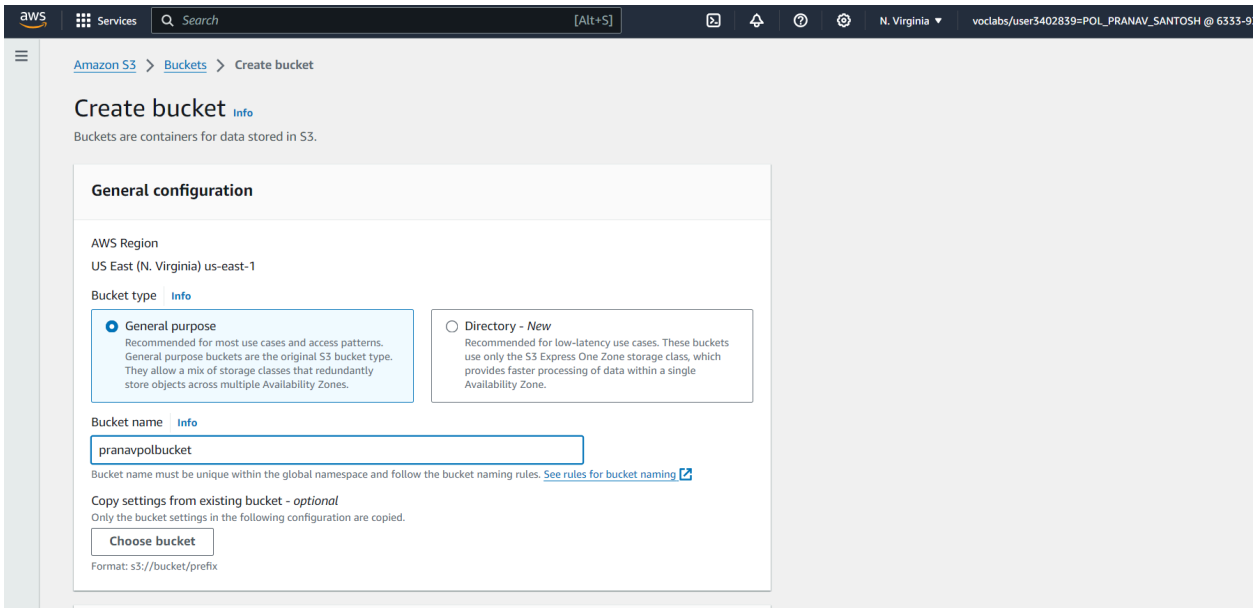


8) After saving that file go that page where ubuntu is listed and then on the link add “/your_file_name.html” and then whatever you saved on that file will be displayed

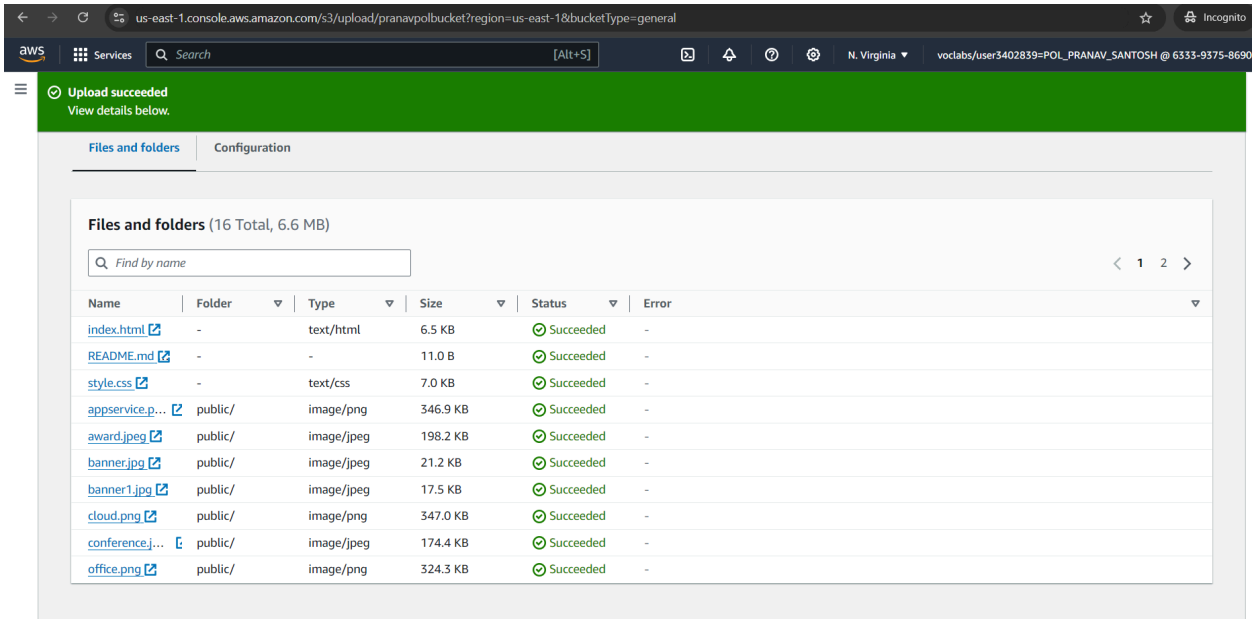


Static Site Hosting using S3 bucket

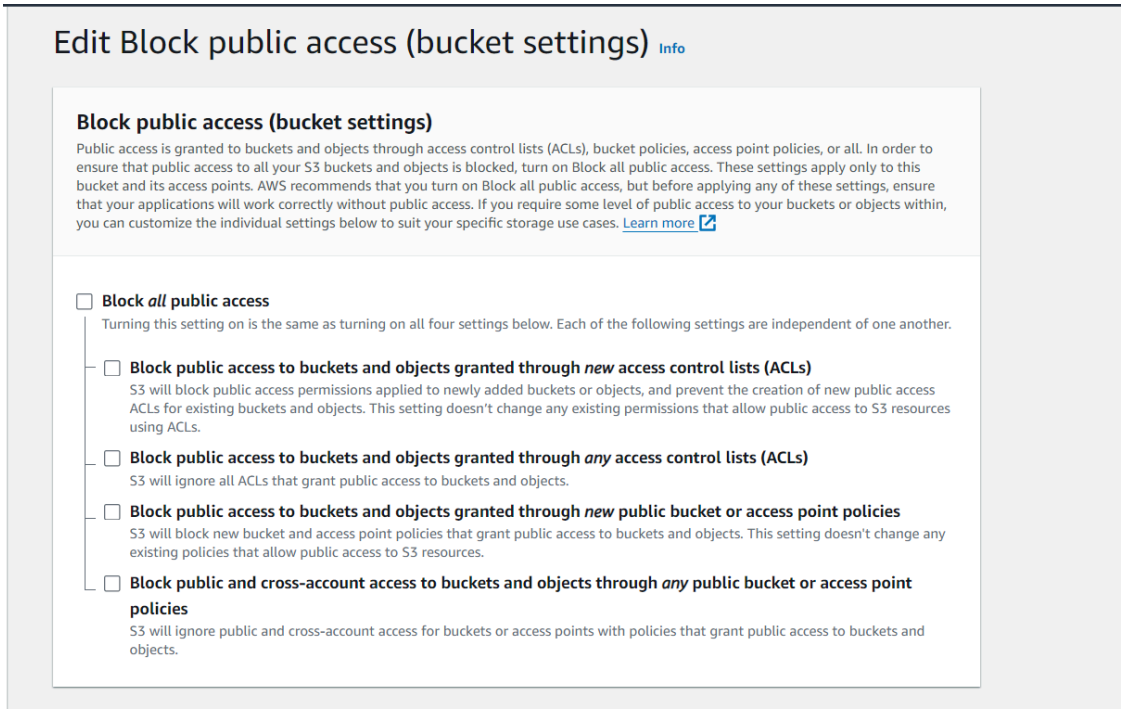
Step1: Create bucket



Step 2: Add resources



Step 3 : Provide public access



Static website hosting

Use this bucket to host a website or redirect requests. Learn more

Static website hosting

- ○ Disable
- ◉ Enable

Hosting type

- ◉ Host a static website
  Use the bucket endpoint as the web address. Learn more
- ○ Redirect requests for an object
  Redirect requests to another bucket or domain. Learn more

For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access

Index document

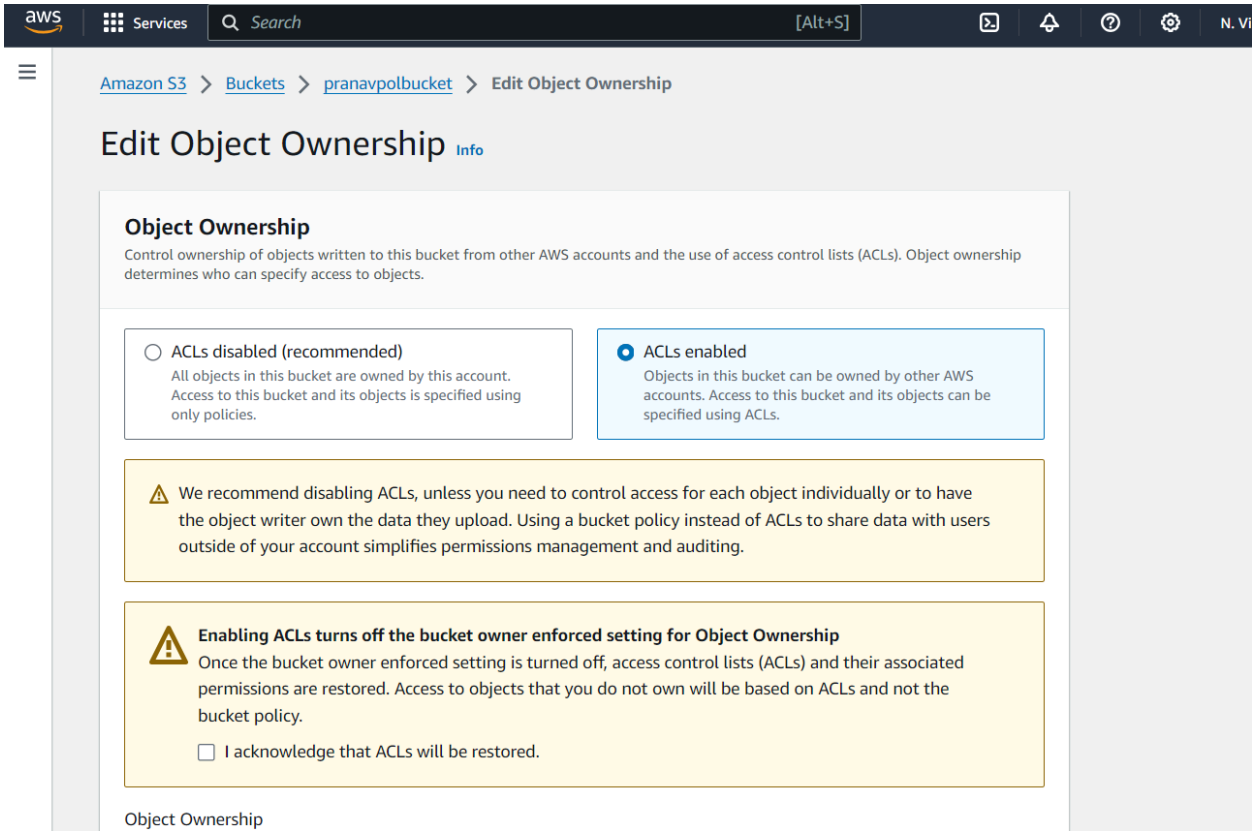
Specify the home or default page of the website.

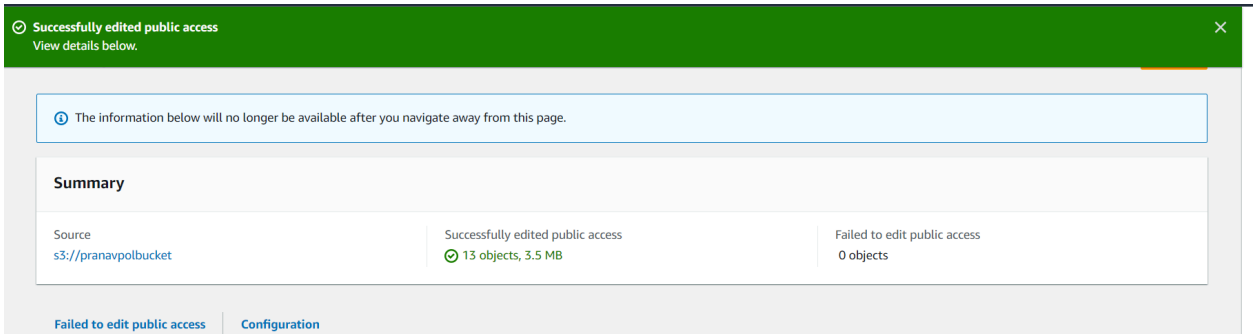
index.html

Error document - *optional*

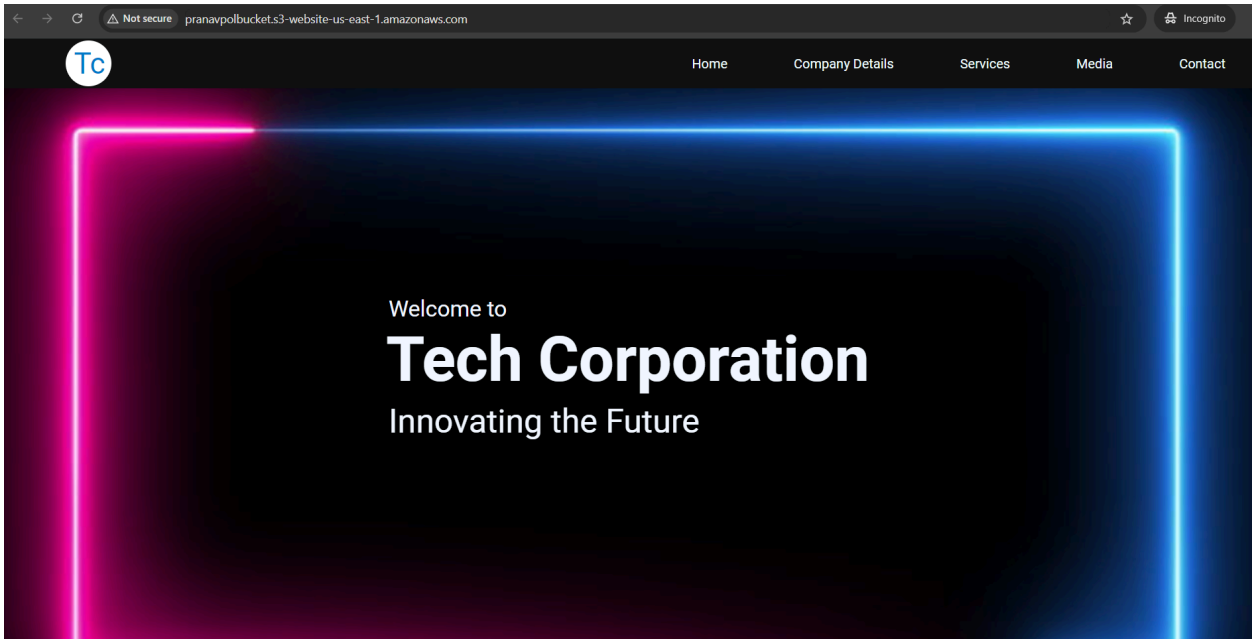
This is returned when an error occurs.

error.html





Step 4 : visit hosted website



EC2 Dynamic Site Hosting

Step 1 : Open Console and clone the github repository

```
root@ip-172-31-55-145:/home/ubuntu/dynamic/dyanamic_site# npm i
(                    ) ⠴ reify:define-data-property: http fetch GET 200 https://registry.npmjs.org/define-data-property

added 93 packages, and audited 94 packages in 3s

16 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
root@ip-172-31-55-145:/home/ubuntu/dynamic/dyanamic_site# npm start

> hosting-dynamic-website@1.0.0 start
> nodemon index.js

[nodemon] 3.1.4
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node index.js`
Server is running on port 3000
```

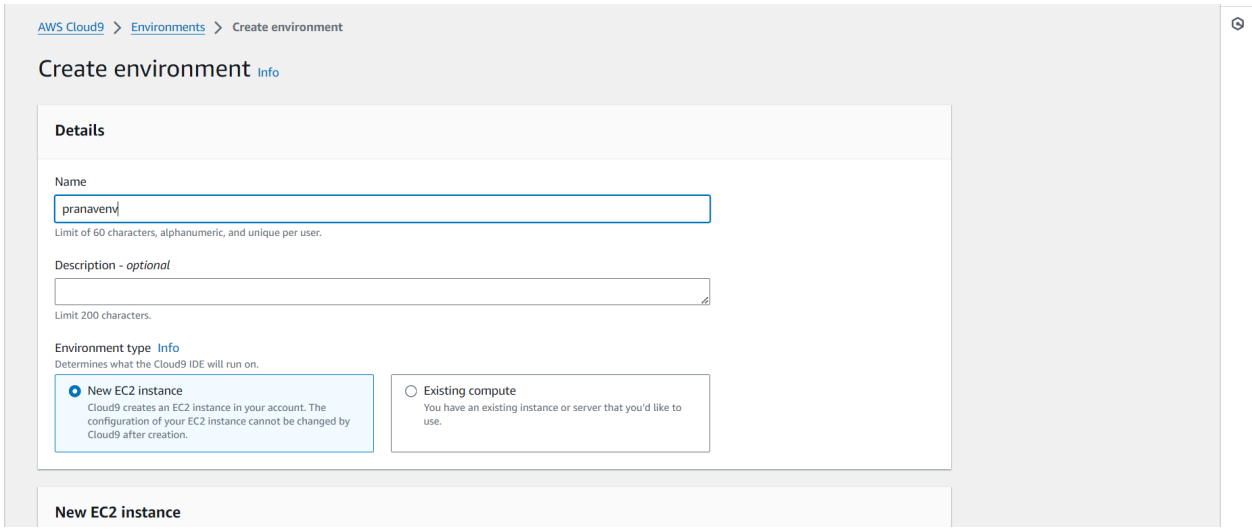
Step 2 : Install necessary Packages and run website on port 3000

Hey this is Dynamic Website.

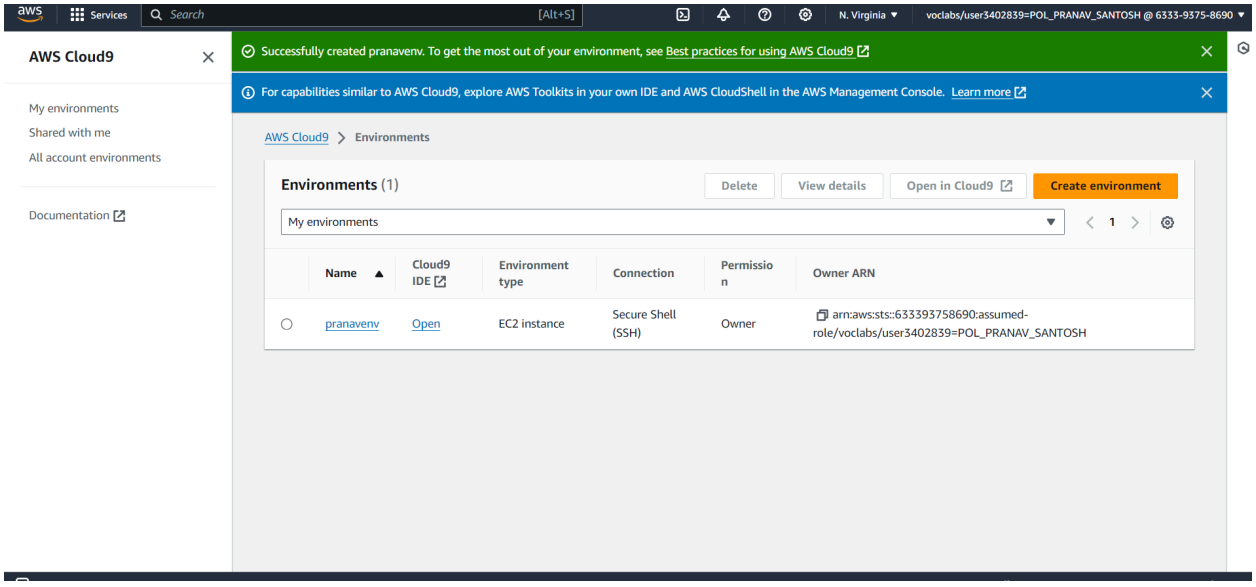
Hey this is about page.

Cloud 9 IDE Site Hosting

Step 1: Create Environment



Step 2 :Open the Environment IDE



Step 3: Add the code and preview the website