PROJECT TITLE

STATIC WEBSIT HOSTING

By

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AWS

(AMAZON WEB SERVICE) IN

CLOUD COMPUTNIG

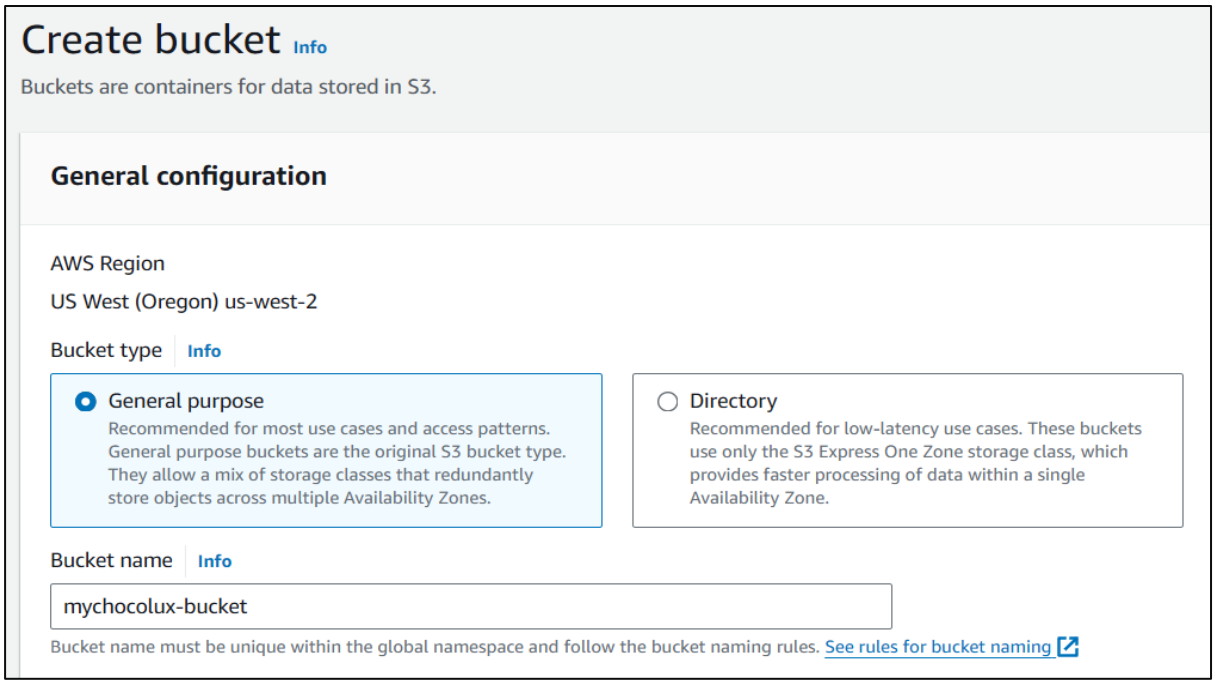
Static Website Hosting Using AWS

To create the static website in AWS

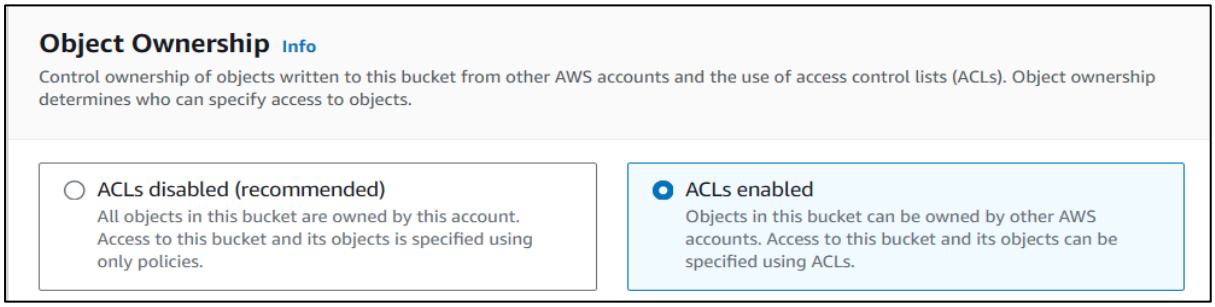
First Step:

First create the **Bucket** in **Amazon S3.**

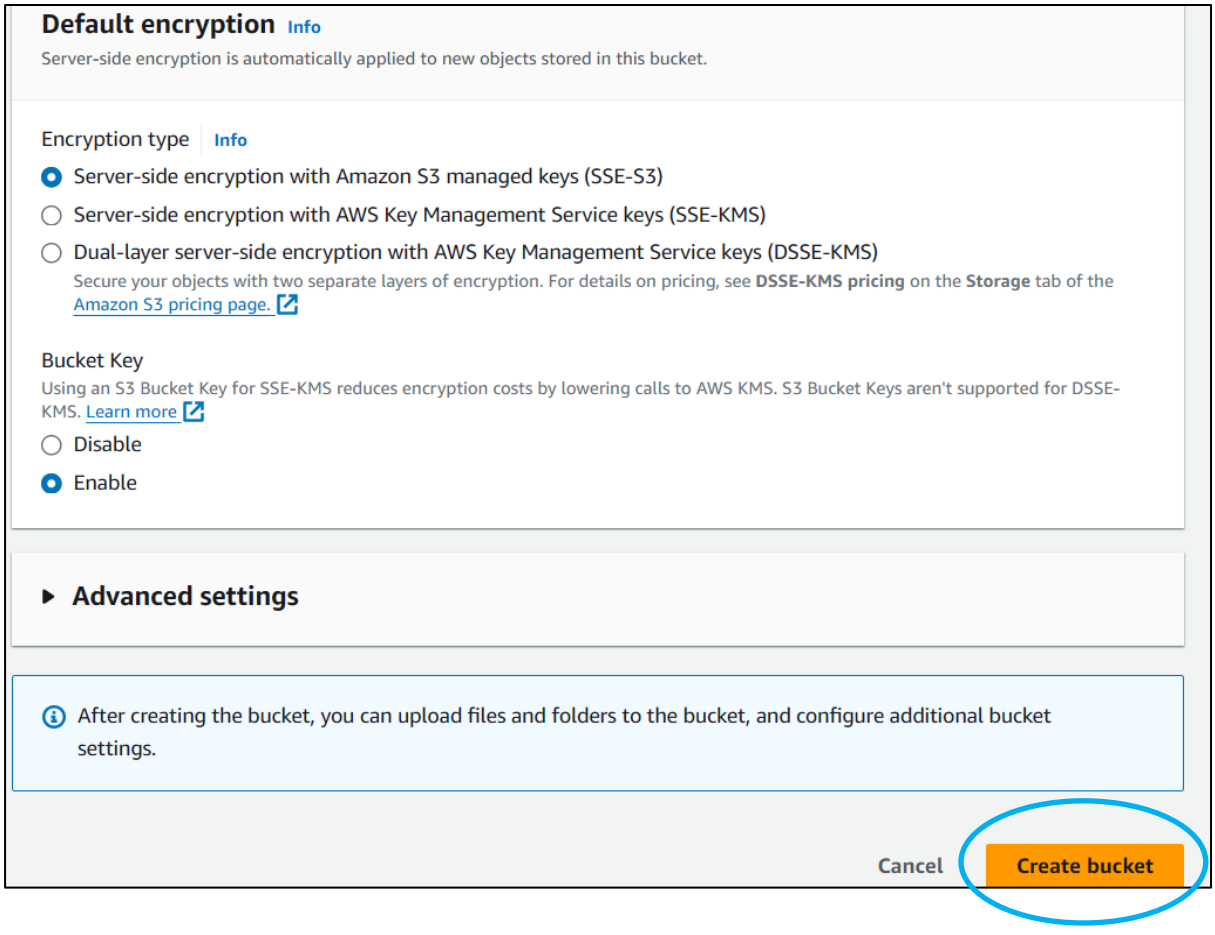
Create a Unique **Name for the Bucket** and the select the **Bucket type**.



Next select the **ACLs enable** option on the Object Ownership slot.



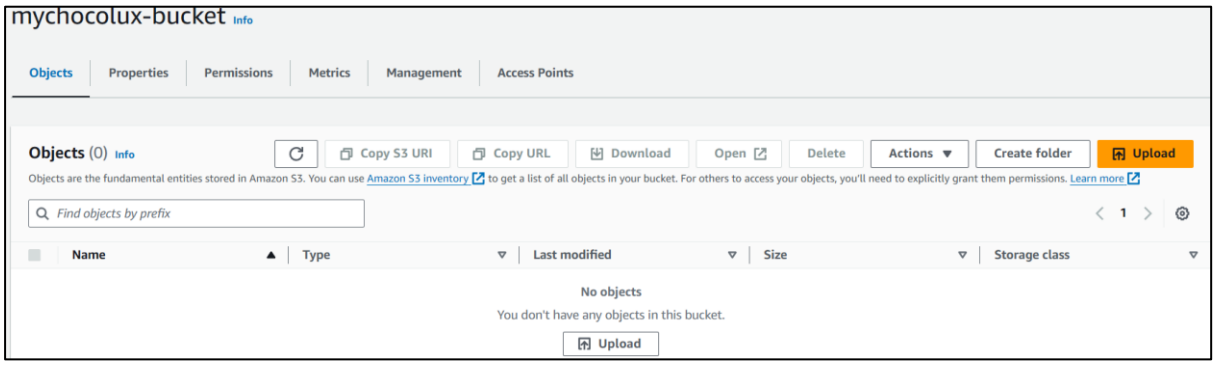
And Click the **Create Bucket** Button.



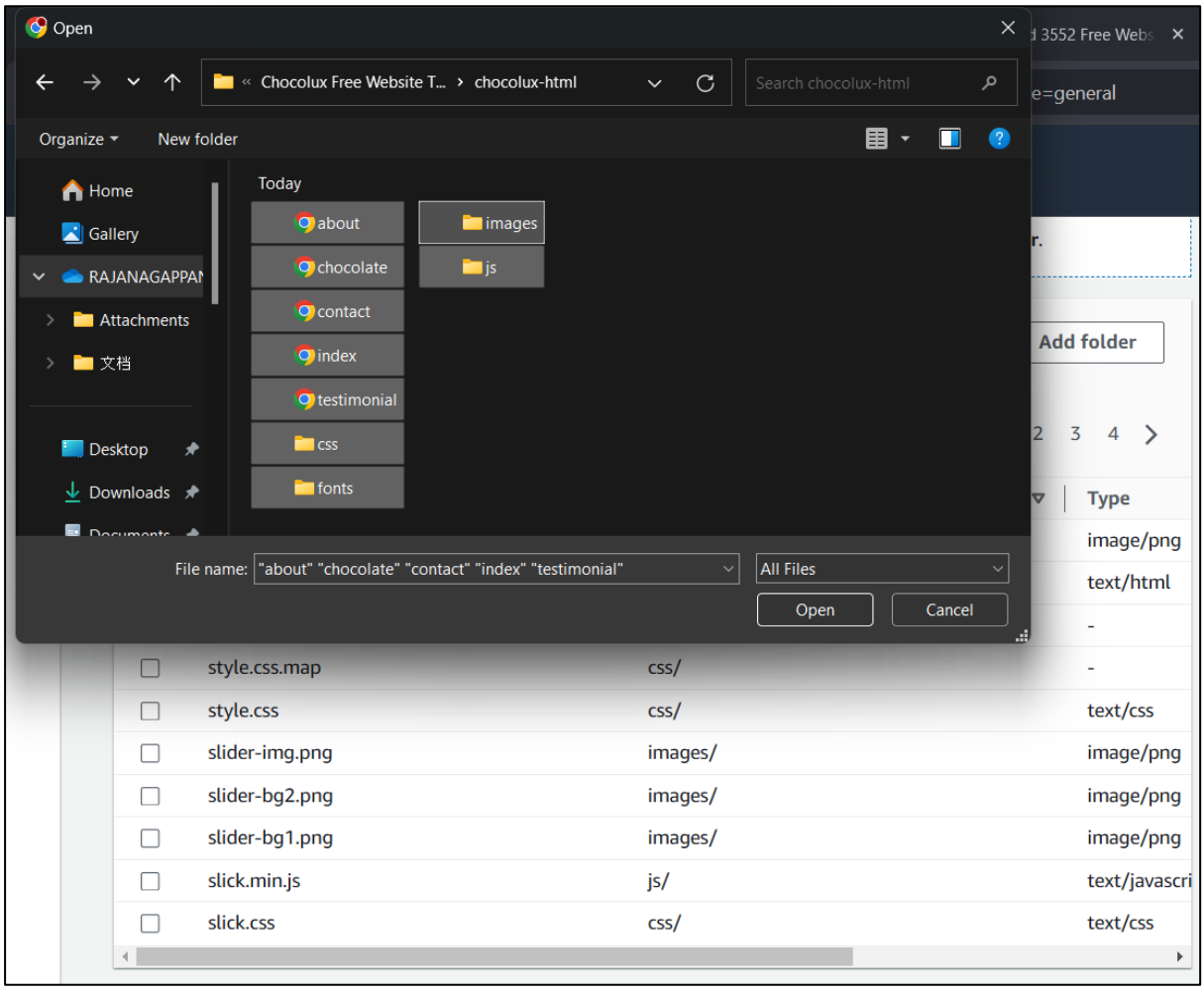
Now, the Bucket is created.

Second Step:

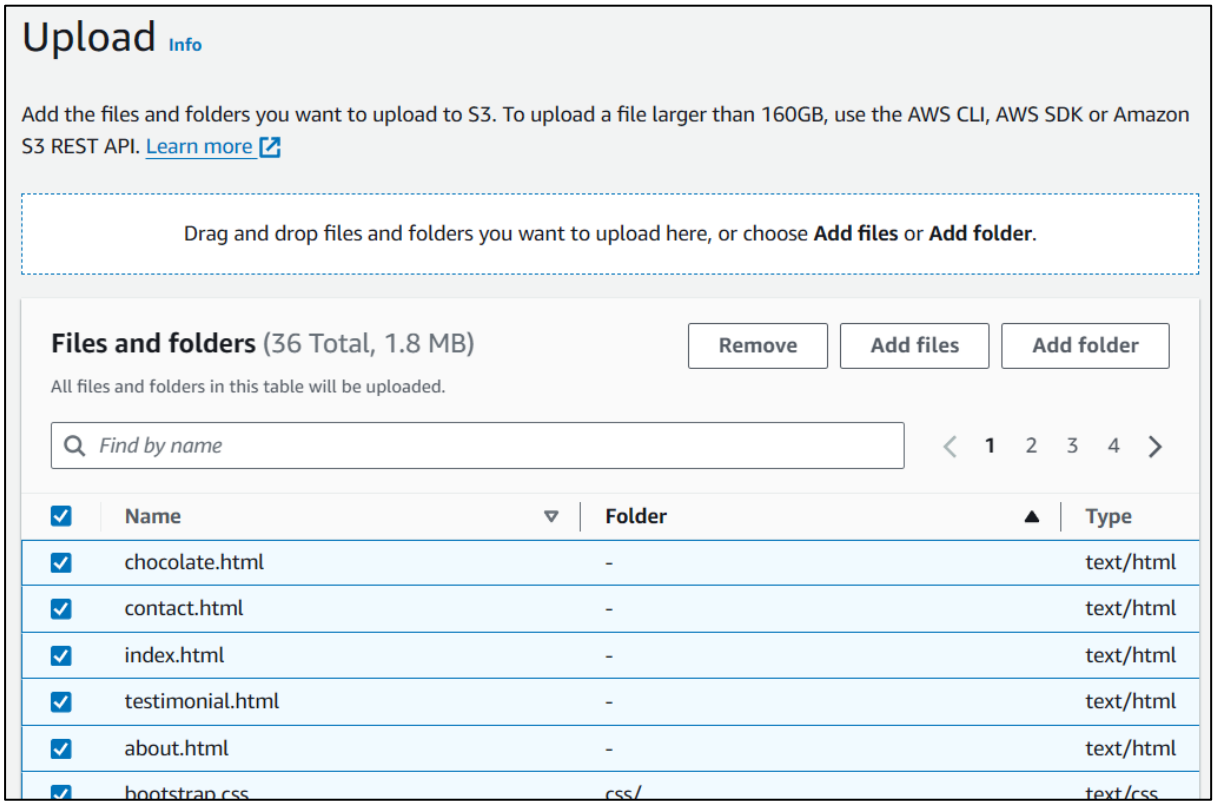
Now click the Created Bucket in S3.

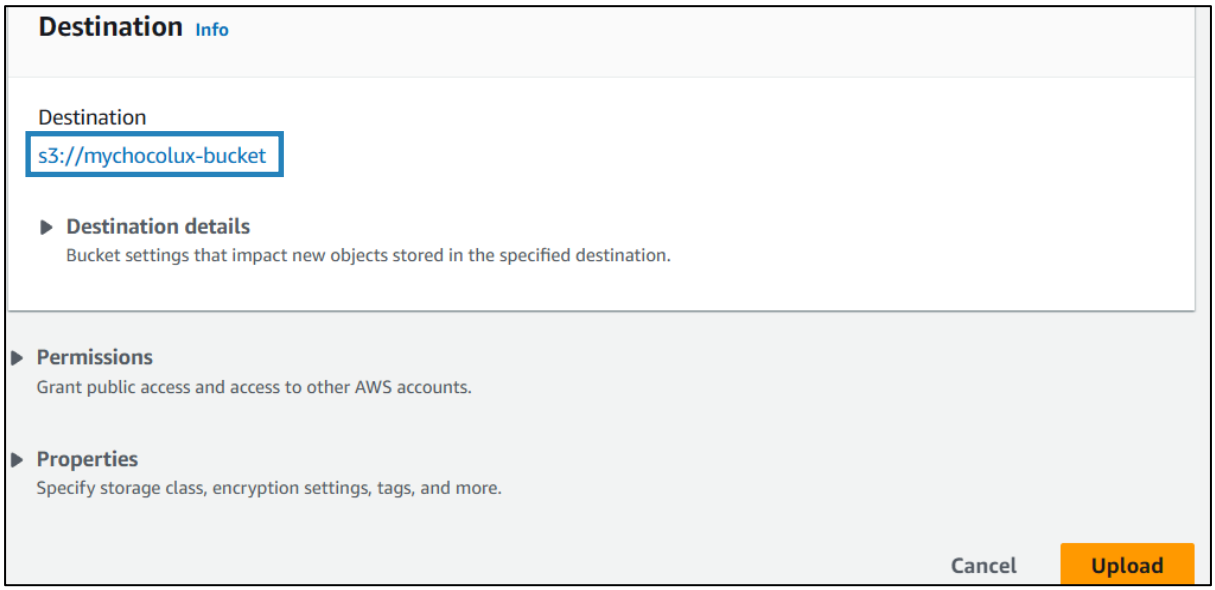


And Upload the Website Templet files or Created Websites files from your gallery, just **Drag and Drop the all Files** from the gallery to S3 Bucket.

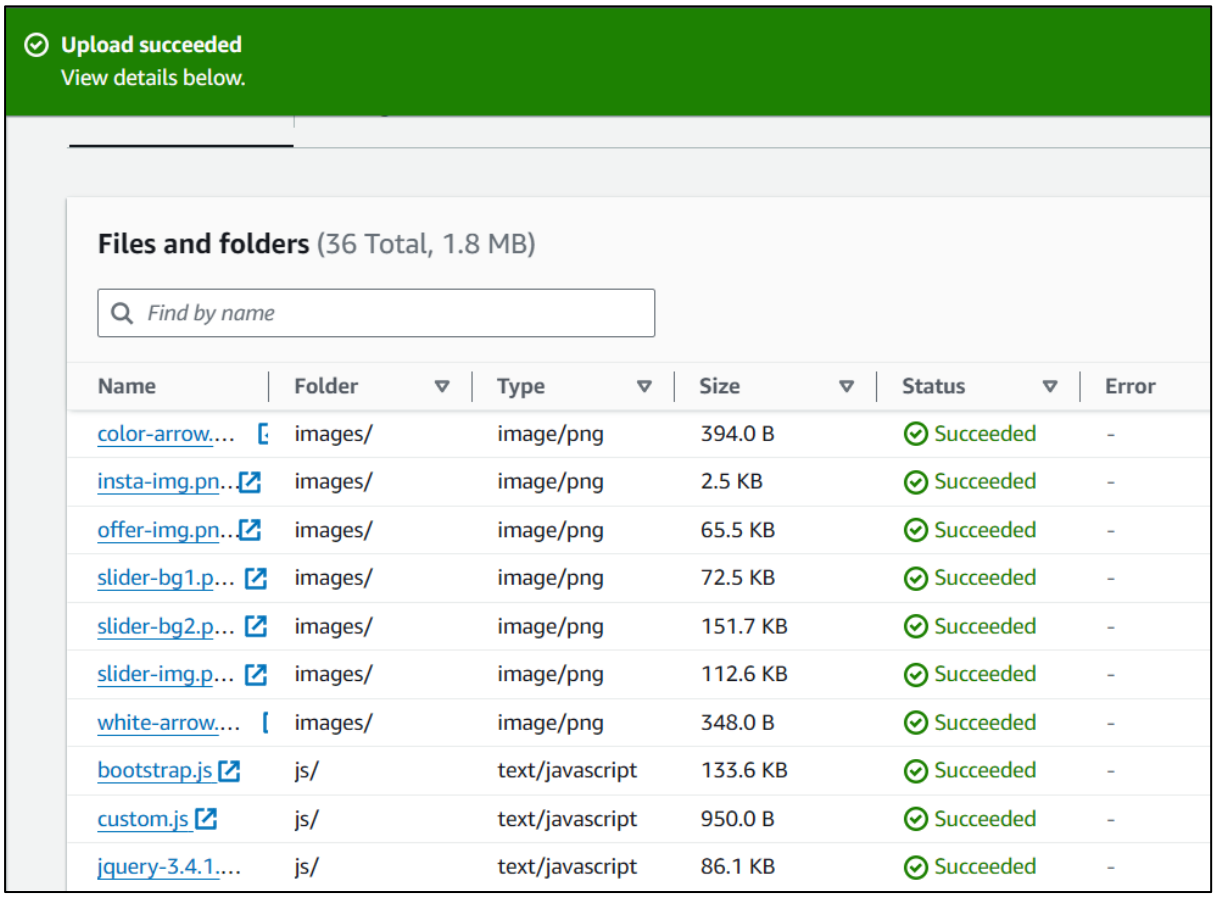


Click the **Upload Button.**



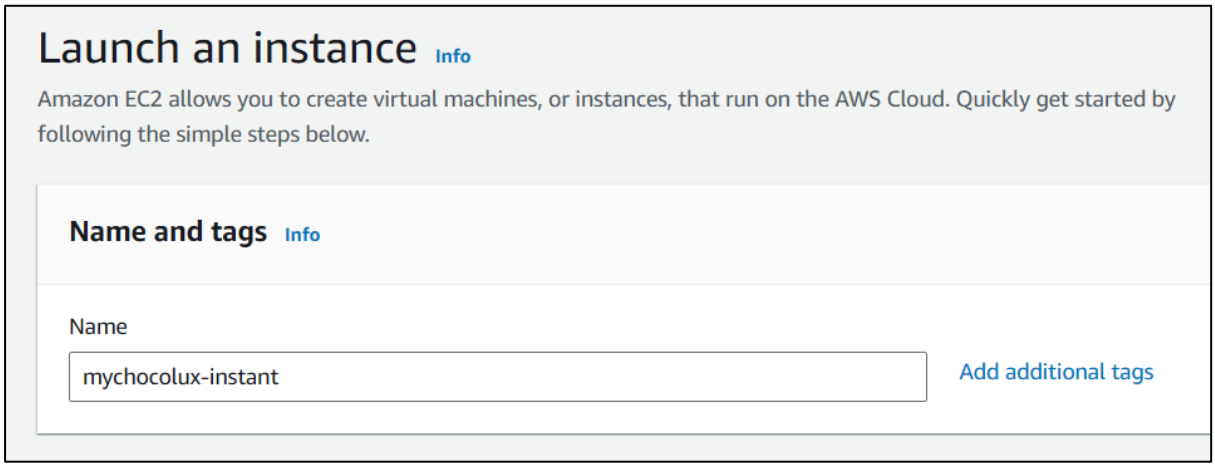


After Uploaded all files, these files will run to the bucket and ready for website host.

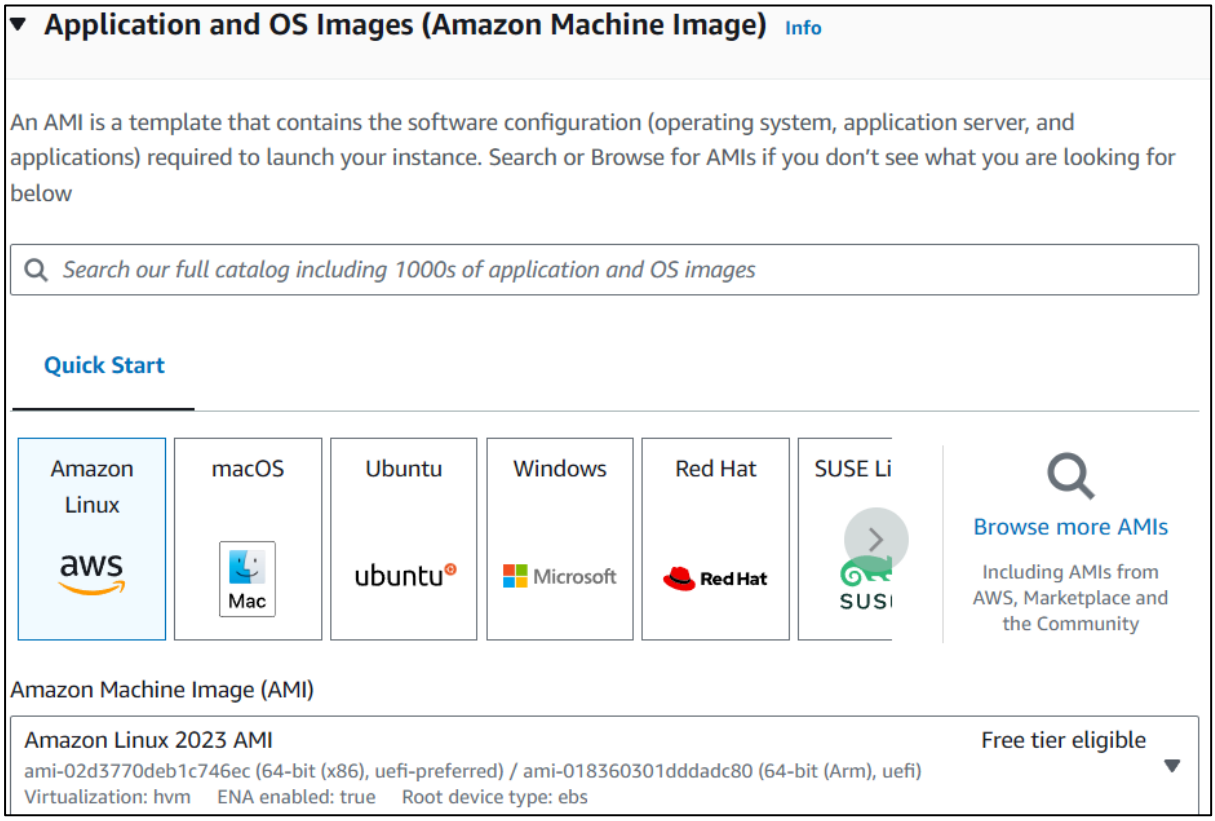


Third Step:

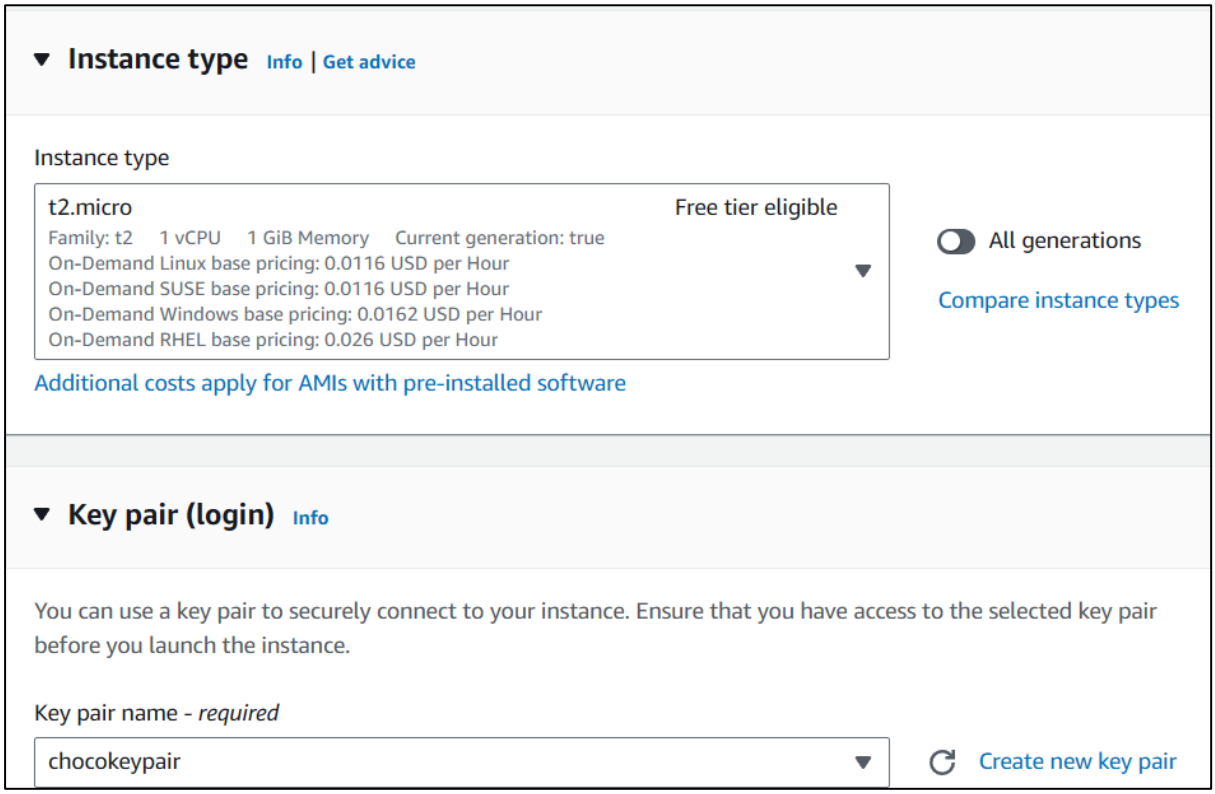
Then, Create the **Instance in EC2** and **Launch an Instance** and add the Name to Instance.



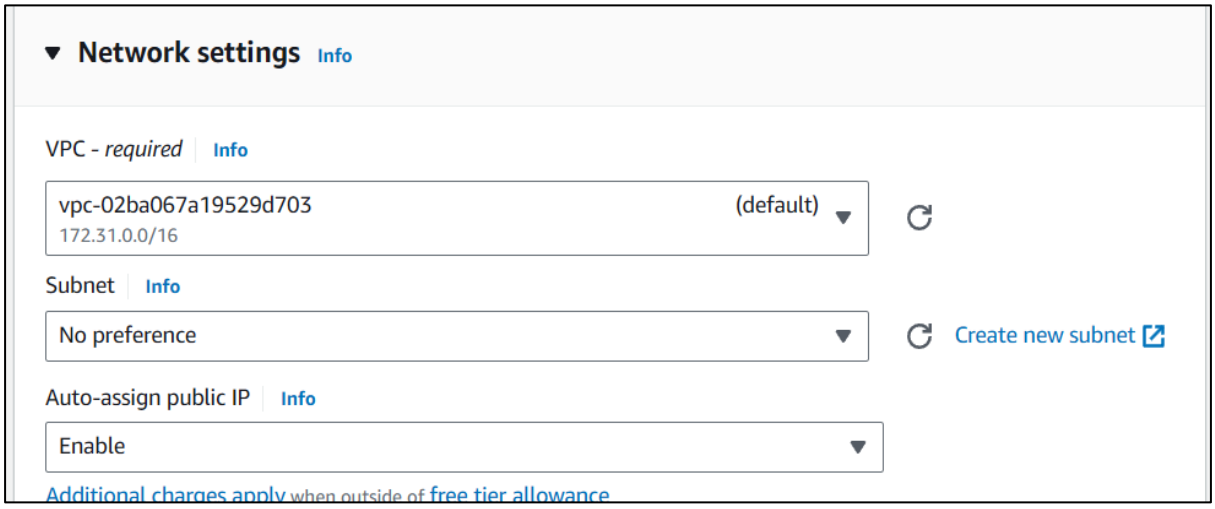
Select the OS to run the Instance (we the Amazon Linux).

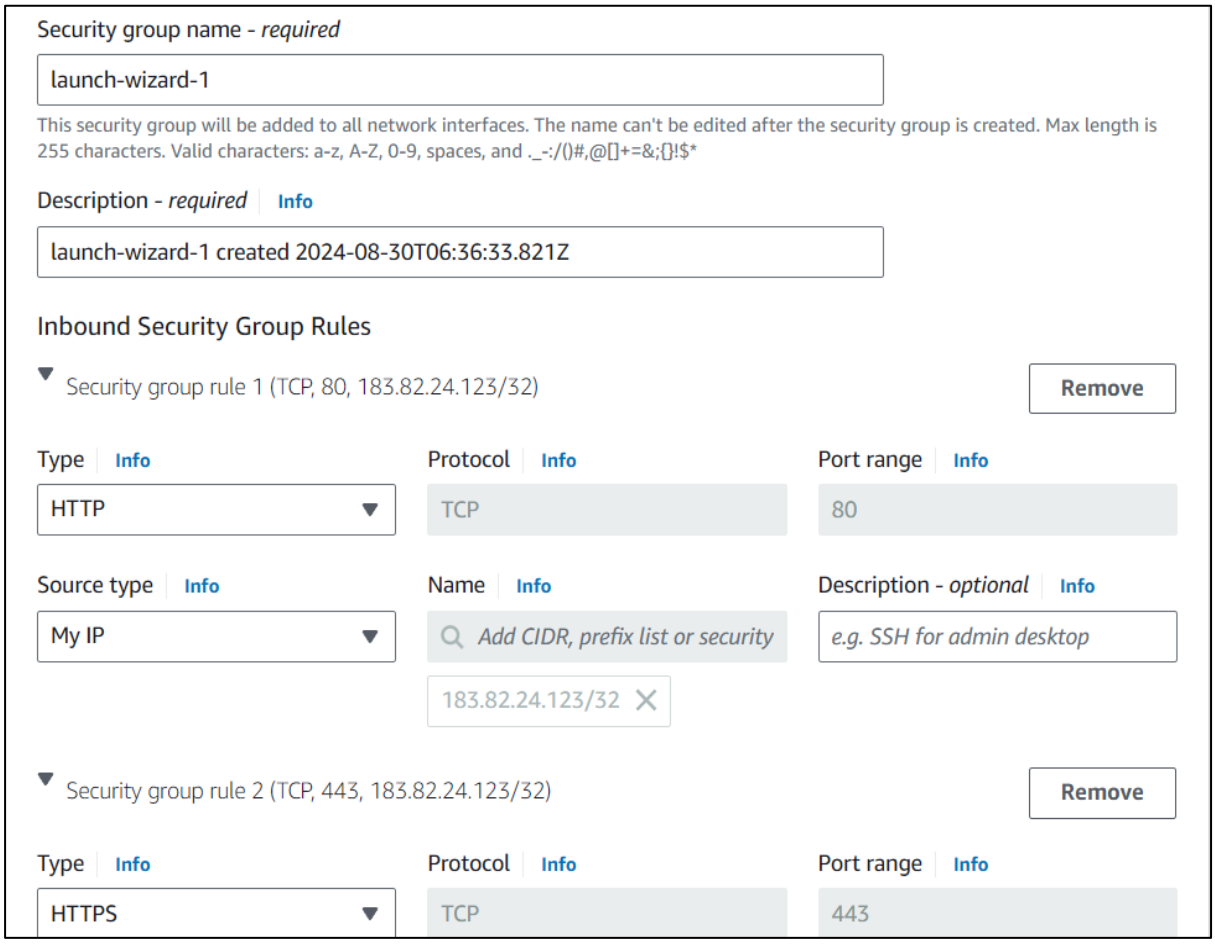


Select the **Instance Type** and Create new **Key Pair** for the Instance.

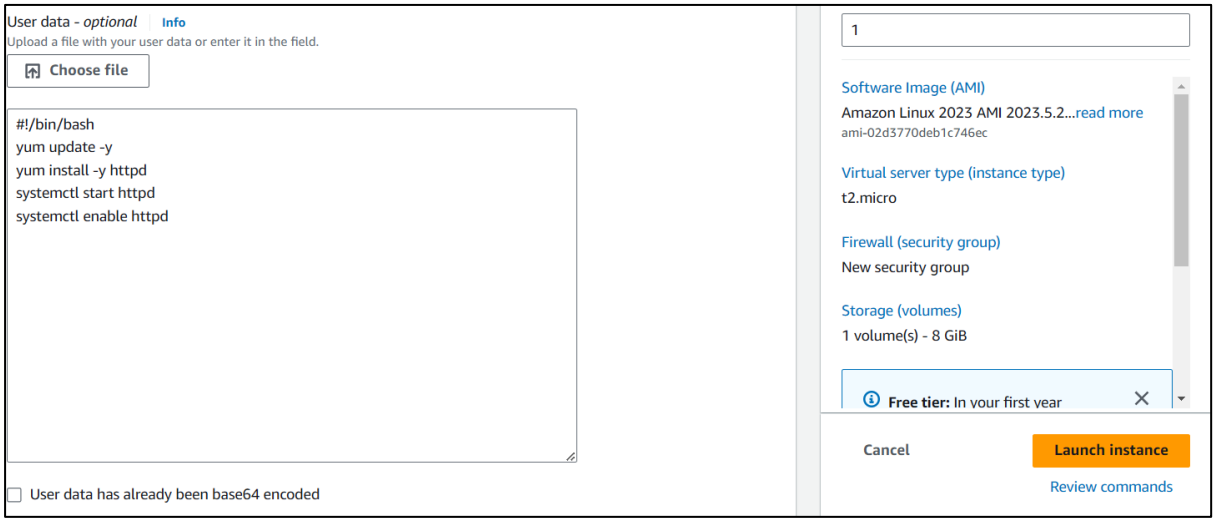


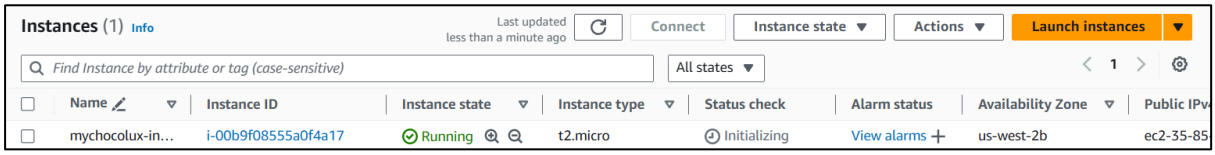
Keep it us the **Network Setting** in Default only.



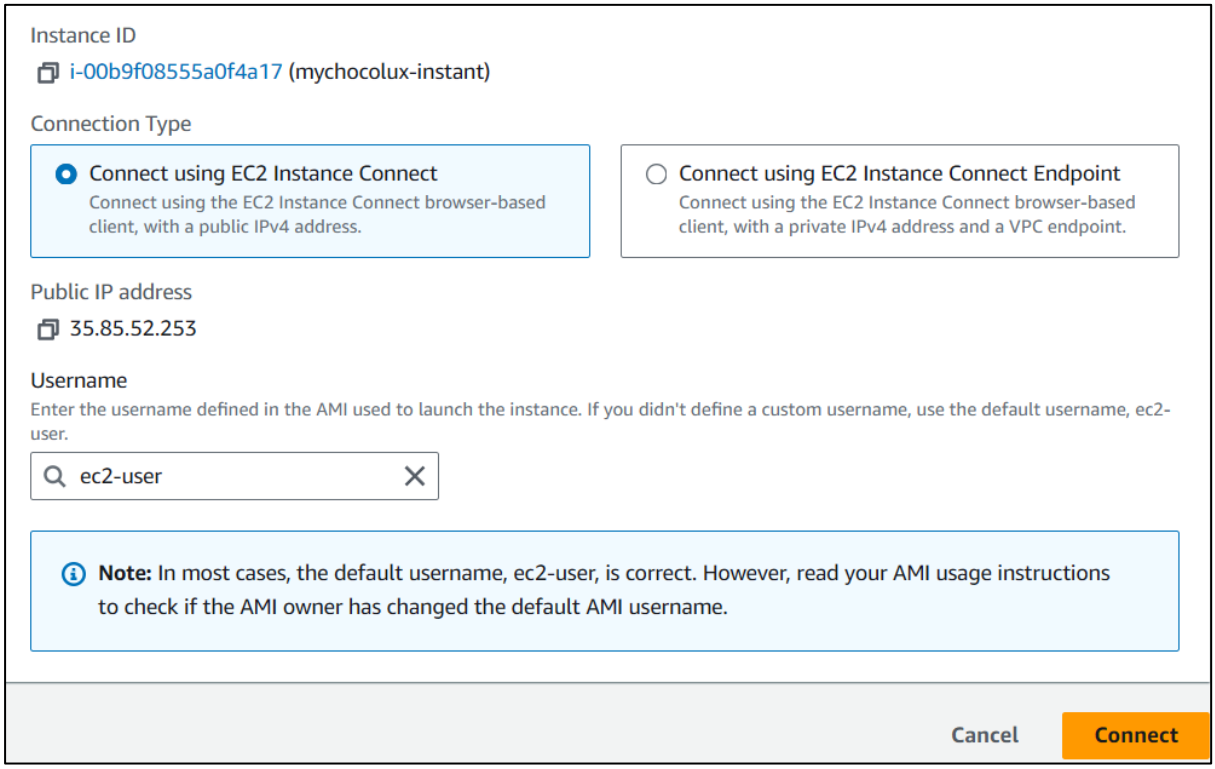


Below to Network Setting, **Use Data** box will there fill some **Common Line** on that box to run the Instance.

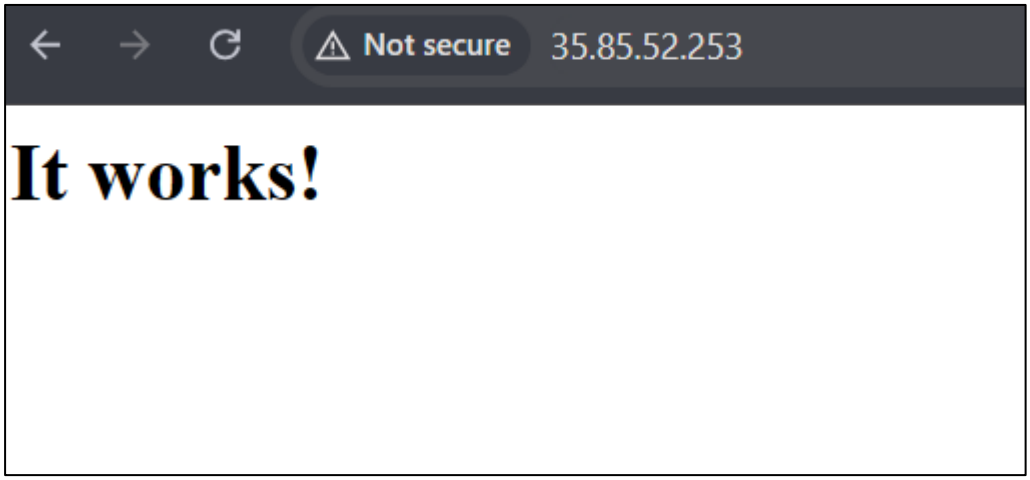




Connect Using EC2 Instance Connect.

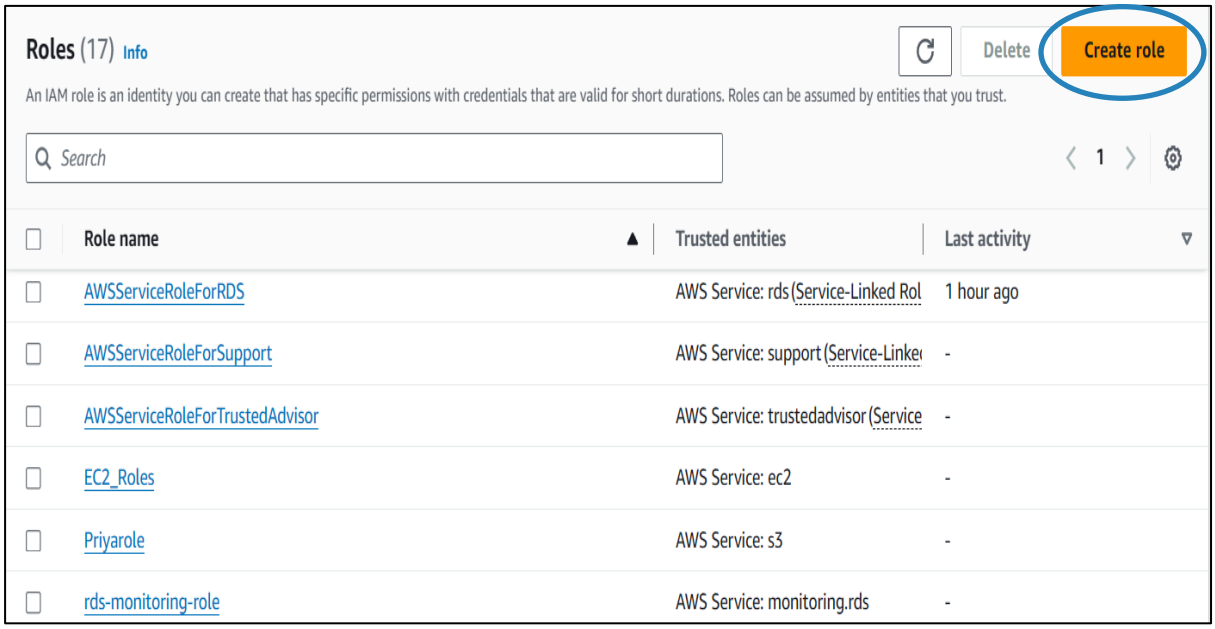


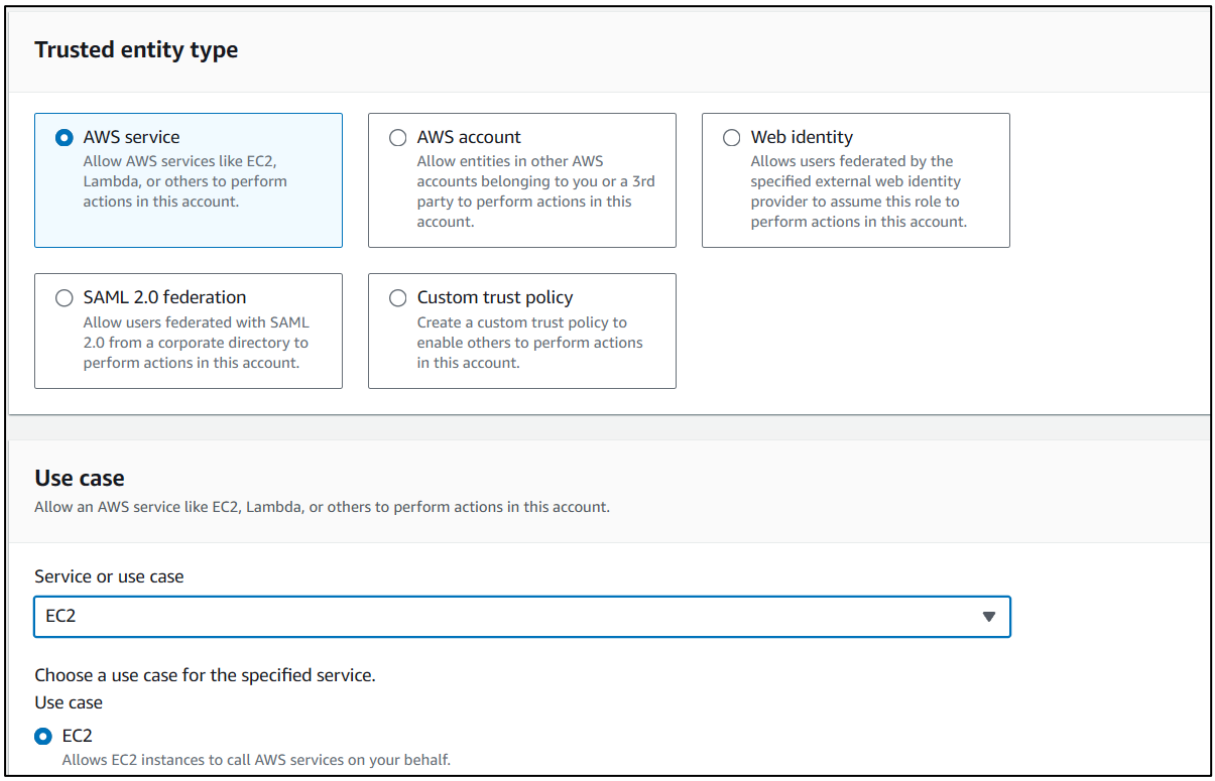
Copy the **Public IP Address.**



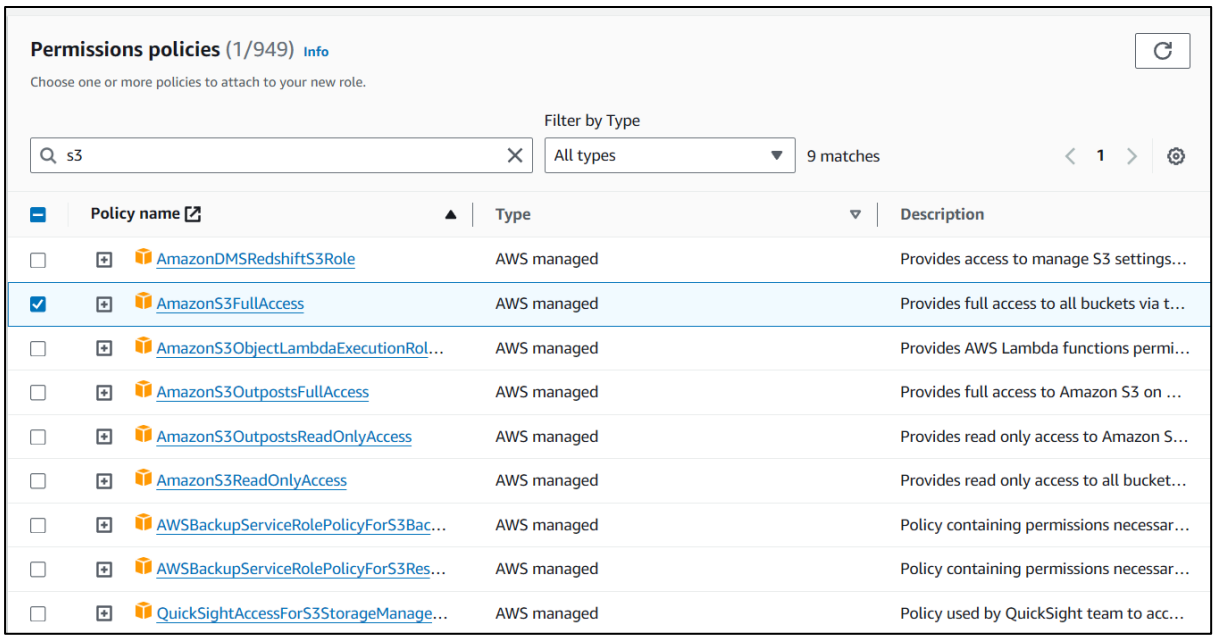
Fourth Step:

Create the **Role** in IAM (Identity and Access Management) for connect the **Instance**

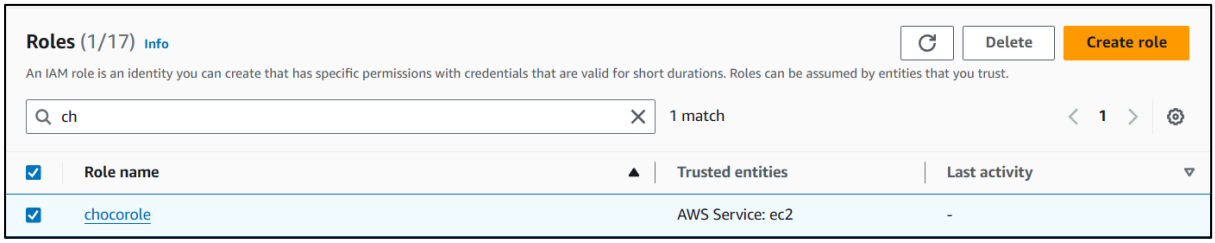




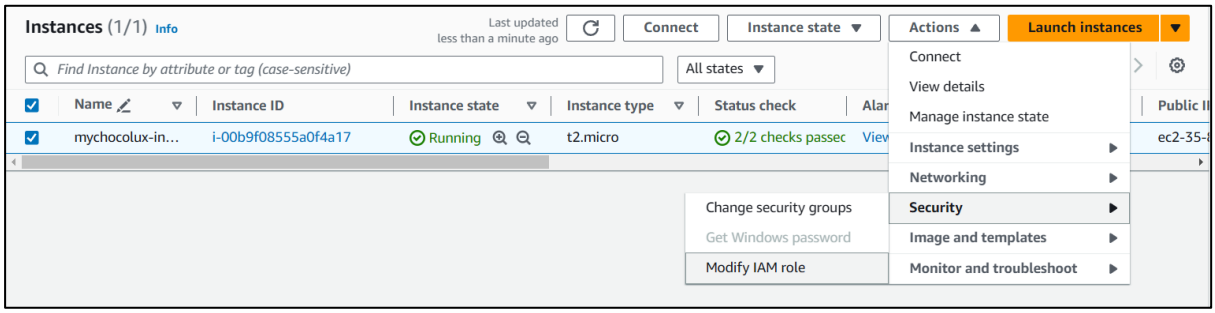
Allow Permission to S3 for Host the Website.



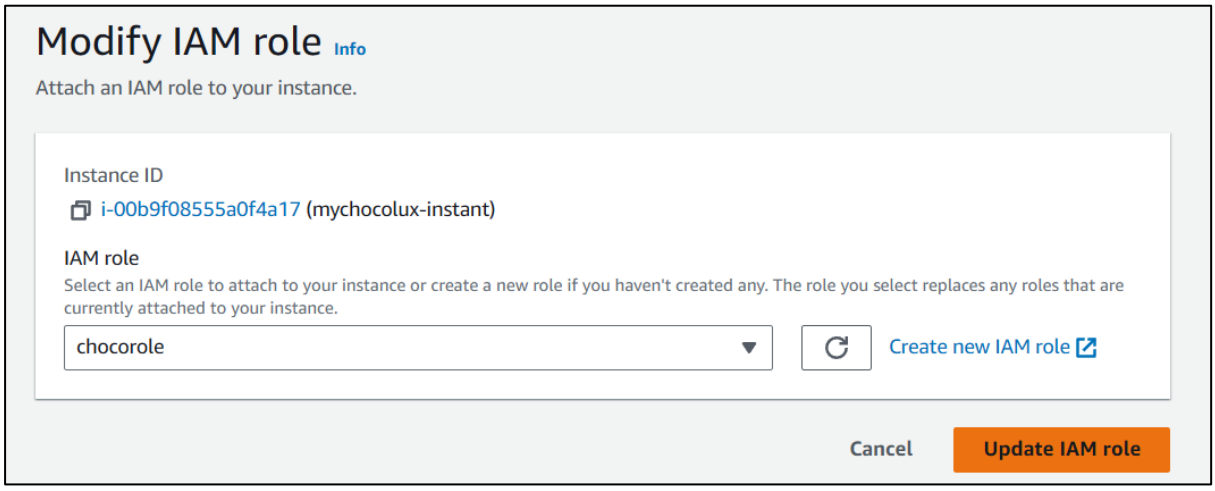
Role is Created.

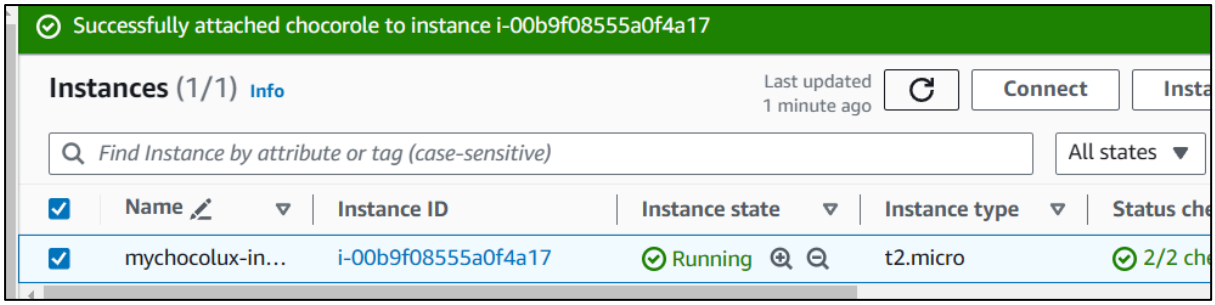


Go to **Instance → Action → Modify IAM Role**.



Select the Created Role and click **Update IAM Role.**



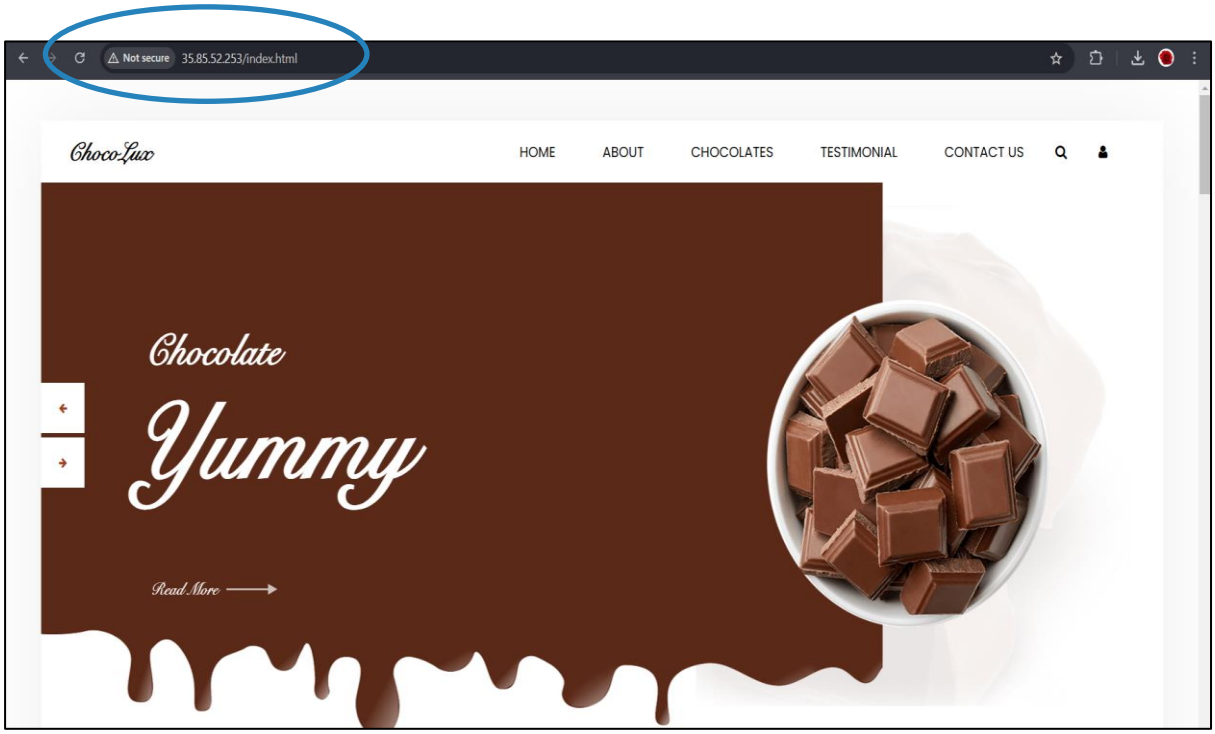


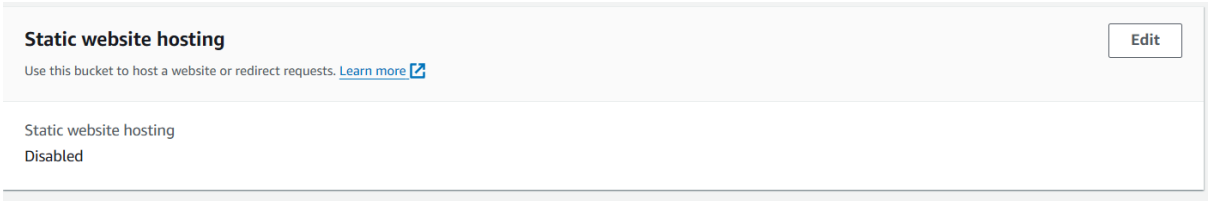
In the Instance, type the Linux Command to download all files from S3 Bucket.

```
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
Last login: Fri Aug 30 07:22:00 2024 from 18.237.140.165
[ec2-user@ip-172-31-30-28 ~]$ aws s3 ls
2024-08-30 06:53:19 mychocolux-bucket
[ec2-user@ip-172-31-30-28 ~]$ cd var/www/html
-bash: cd: var/www/html: No such file or directory
[ec2-user@ip-172-31-30-28 ~]$ cd/var/www/html
-bash: cd/var/www/html: No such file or directory
[ec2-user@ip-172-31-30-28 ~]$ cd /var/www/html
[ec2-user@ip-172-31-30-28 html]$ ls
```

```
[ec2-user@ip-172-31-30-28 html]$ sudo aws s3 cp --recursive s3://mychocolux-bucket.

usage: aws [options] <command> <subcommand> [<subcommand> ...] [parameters]
To see help text, you can run:

  aws help
  aws <command> help
  aws <command> <subcommand> help

aws: error: the following arguments are required: paths

[ec2-user@ip-172-31-30-28 html]$ sudo aws s3 cp --recursive s3://mychocolux-bucket .
download: s3://mychocolux-bucket/css/responsive.css to css/responsive.css
download: s3://mychocolux-bucket/about.html to ./about.html
download: s3://mychocolux-bucket/css/slick-theme.css to css/slick-theme.css
download: s3://mychocolux-bucket/images/about-img.png to images/about-img.png
download: s3://mychocolux-bucket/css/style.css.map to css/style.css.map
download: s3://mychocolux-bucket/css/style.css to css/style.css
download: s3://mychocolux-bucket/css/style.scss to css/style.scss
download: s3://mychocolux-bucket/images/chocolate1.png to images/chocolate1.png
download: s3://mychocolux-bucket/fonts/fontawesome-webfont.woff to fonts/fontawesome-webfont.woff
download: s3://mychocolux-bucket/fonts/fontawesome-webfont.woff2 to fonts/fontawesome-webfont.woff2
download: s3://mychocolux-bucket/images/chocolate3.png to images/chocolate3.png
download: s3://mychocolux-bucket/images/chocolate2.png to images/chocolate2.png
download: s3://mychocolux-bucket/contact.html to ./contact.html
download: s3://mychocolux-bucket/images/client-img.jpg to images/client-img.jpg
```

Finally Copy the IP Address and Paste on the Web Browser.



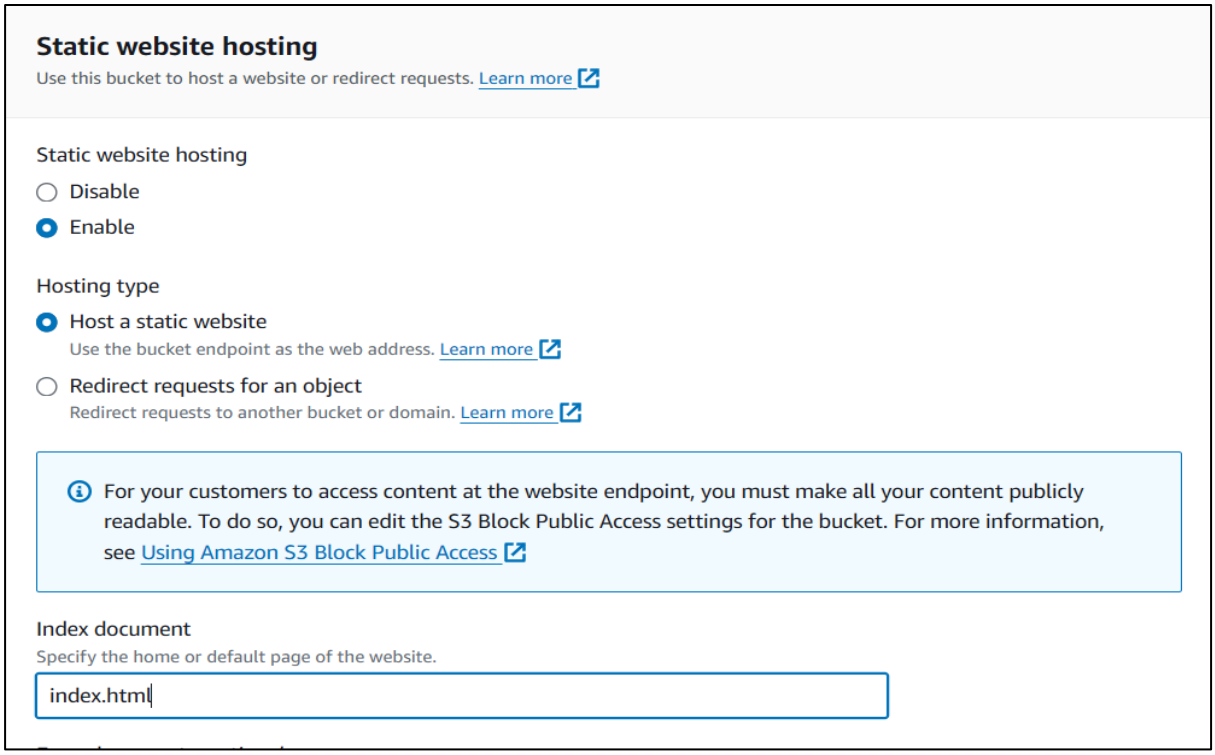


This is one method to host the Static Website. We have another way to host the Website.

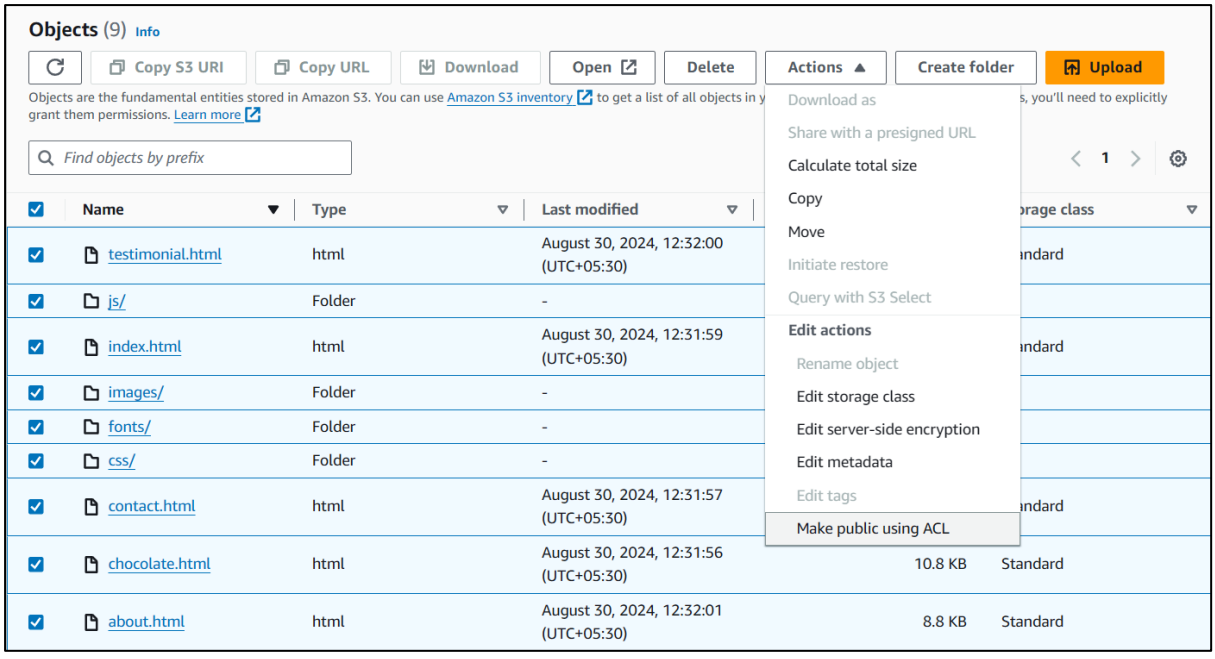
Another Method to host the Static Website

Go to S3 **Created Bucket → Properties → Static Website Hosting**

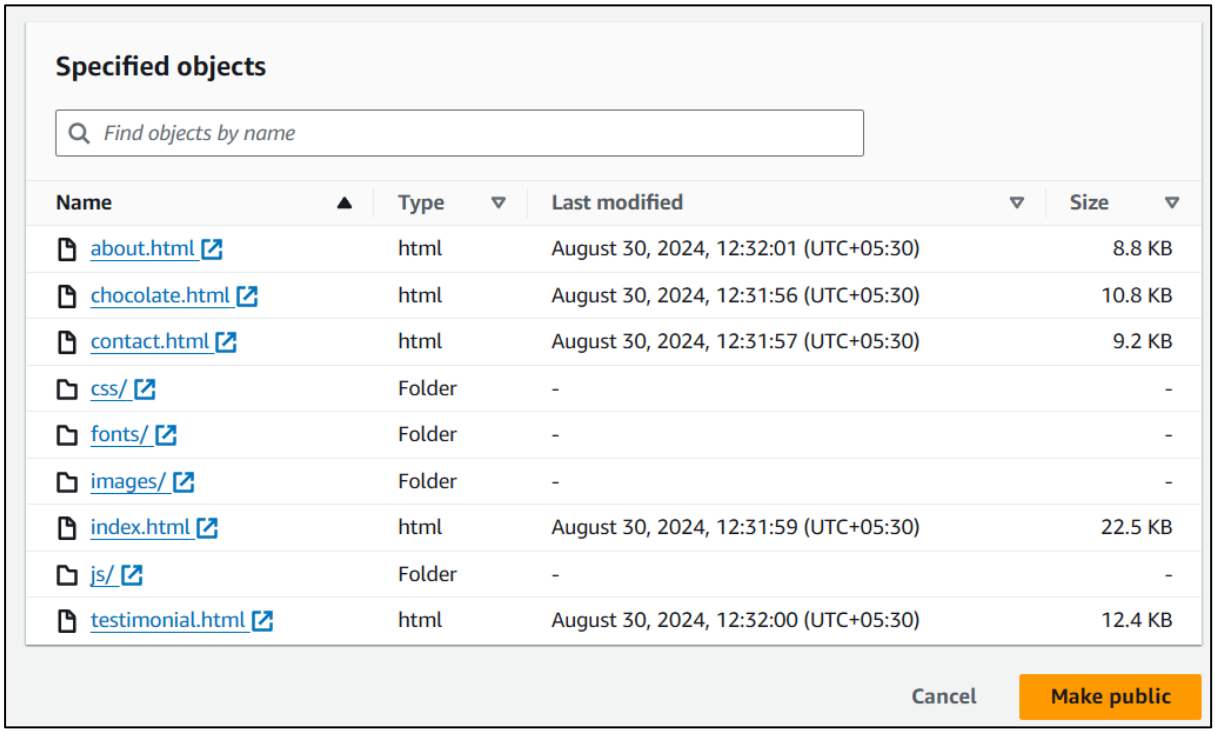
Enable the Option and Name the Index Document.



Select all the Object and go to **Action → Make Public Using ACL**



Make a **Public Access** to all the Object.



Copy the **Website Endpoint** from Properties Session and Paste in the Website. Then we get a webpage in Endpoint (URL) Instead of using IP Address.