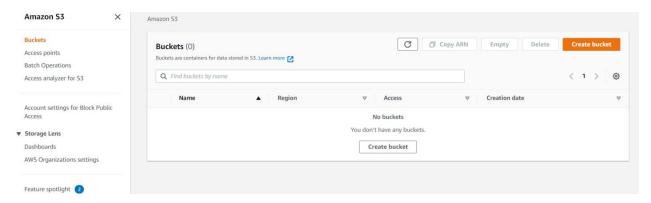
Lab 7

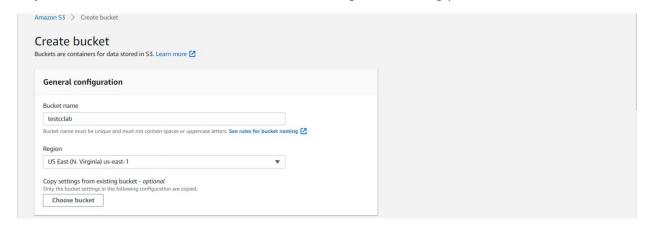
Building own static website and hosting application from desktop.

Step 1: Log in to AWS Console and select S3

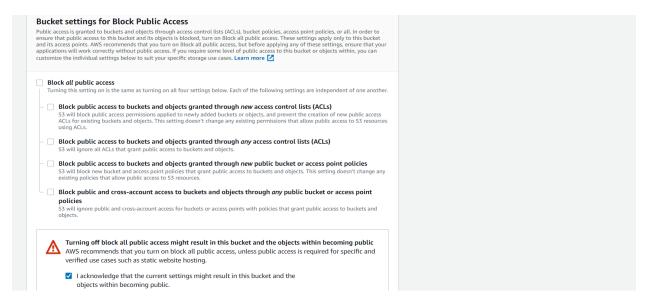
Step 2: Click Create Bucket button



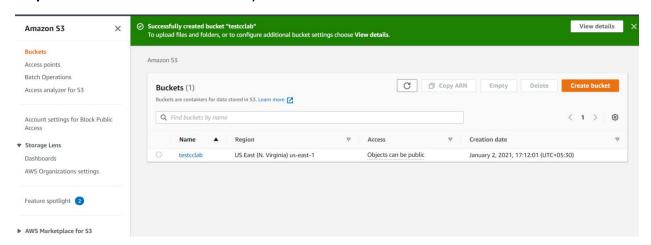
Step 3: Enter the Bucket name, Select the Bucket Region according your needs



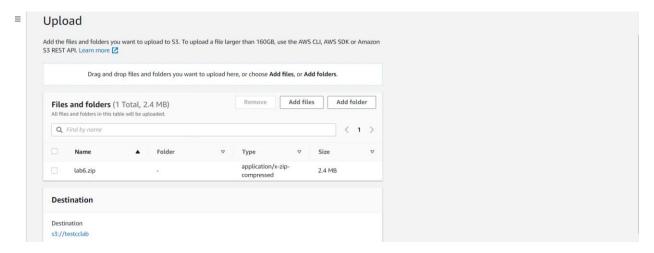
Step 4: Disable all public access for s3 bucket, Click on the Create bucket



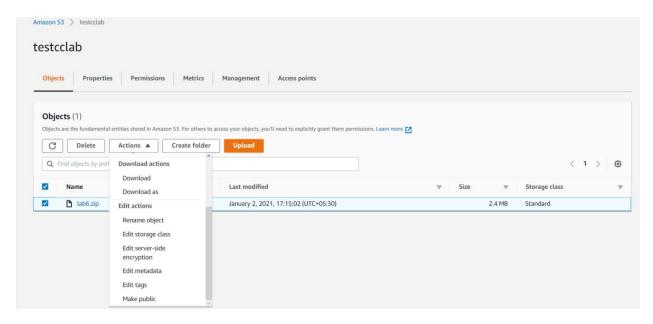
Step 5: S3 bucket will be successfully created.



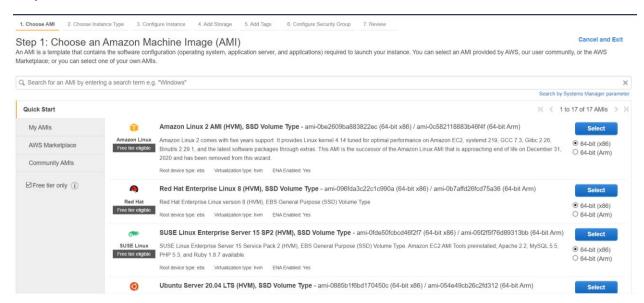
Step 6: Go to s3 bucket and click on upload and select the zip file which contains static website



Step 7: After file successfully uploaded then select file and go to actions and Select make public



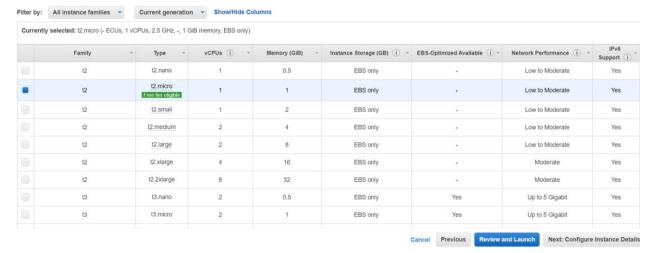
Step 8: Go to EC2 and select amazon Linux2 AMI VM.



Step 9: Select t2.micro which is free tire eligible and click on configure instance Details .



Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.

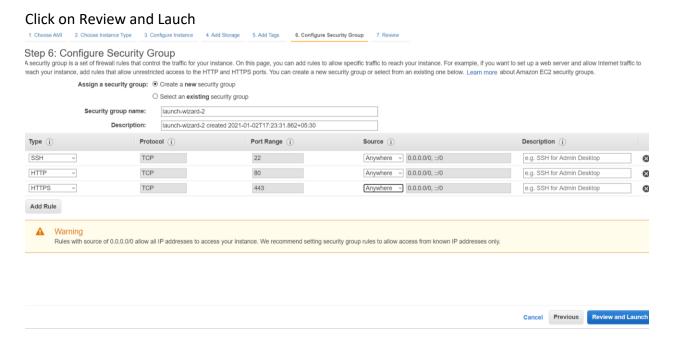


Step 10: Now add storage for Amazon AMI Linux Instance.

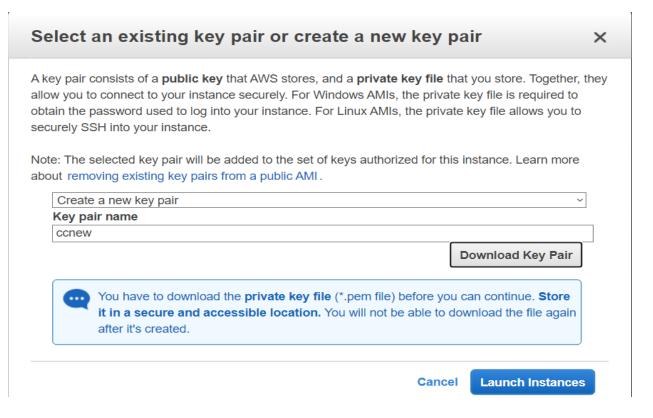


Step 11: In configure Security group click add rule add the following:

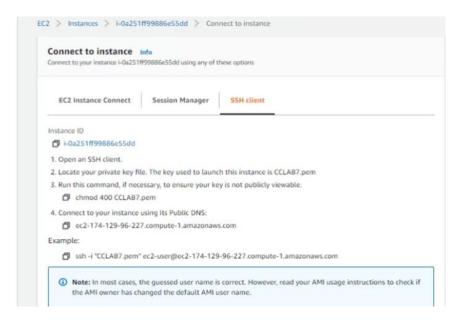
Type: HTTP Source: AnywhereType: HTTPS Source: Anywhere



Step 12:Create new key for Linux AMI and Download the key pair to local machine

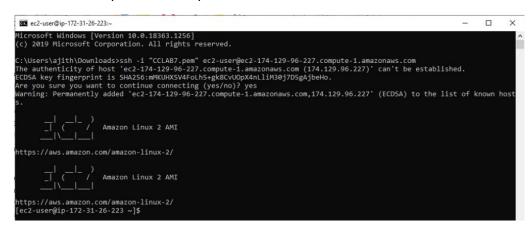


Step 13: Go to EC2 Instance and Click on Connect now we get public DNS to connect Amazon AMI



Step 14: Write the following command to connect to the Linux AMI

ssh -i <.pem file> @<public DNS>



Step 15: Now install httpd application to host static website using Command: yum install httpd - y

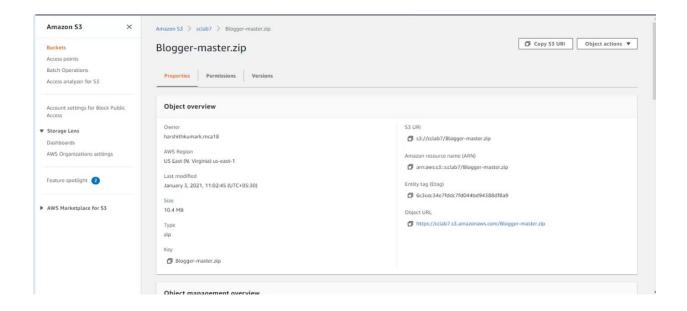
```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-26-223 ec2-user]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No packages marked for update
[root@ip-172-31-26-223 ec2-user]# yum install httpd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
-> Running transaction check
-> Package httpd://do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/do.de/d
```

Step 16: Then Move to /var/www/html/ Directory(static website should present in this directory) .Inside that directory Download the file from S3 bucket using wget tool using command wget public URL of s3 object>.

```
Dependency Installed:
    apr.x86_64 0:2.4.46-1.amzn2

Dependency Installed:
    apr.x86_64 0:1.6.3-5.amzn2.0.2
    apr-util.x86_64 0:1.6.3-5.amzn2.0.2
    apr-util.bdb.x86_64 0:1.6.1-5.amzn2.0.2
    apr-util.bdb.x86_64 0:1.6.3-5.amzn2.0.2
    apr-util.x86_64 0:2.4.46-1.amzn2
    httpd-filesystem.noarch 0:2.4.46-1.amzn2
    httpd-filesystem.noarch 0:2.4.46-1.amzn2
    mailcap.noarch 0:2.1.41-2.amzn2
    mod_http2.x86_64 0:2.4.46-1.amzn2
    mod_http2.x86_64 0:1.15.14-2.amzn2

Complete!
[root@ip-172-31-26-223 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-26-223 html]# pwd
/var/www/html
[root@ip-172-31-26-223 html]# uset https://cclab7.s3.amazonaws.com/Blogger-master.zip
--2021-01-03 05:42:14- https://cclab7.s3.amazonaws.com)... 52.217.82.196
Connecting to cclab7.s3.amazonaws.com (cclab7.s3.amazonaws.com) | 52.217.82.196 |
Connecting to cclab7.s3.amazonaws.com (clab7.s3.amazonaws.com) | 52.217.82.196 |
Connecting to cclab7.s3.amazonaws.com (cclab7.s3.amazonaws.com) | 52.217.82.196 |
Connecting to cclab7.s3.amazonaws.com (cclab7.s3.amazonaws.com) | 52.217.82.196 |
Connecting to cclab7.s3.amazonaws.com (clab7.s3.amazonaws.com) | 52.217.82.196 |
Connecting to cclab7.s3.amazonaws.com | 52.217.82.196 |
Connec
```

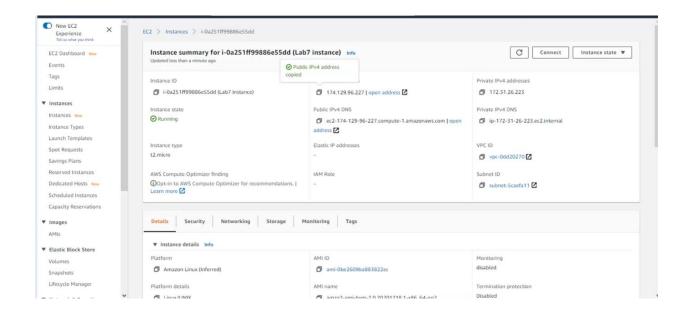


Step 17: Now unzip the file using following command

- unzip <filename>
- mv <folder name> /* .

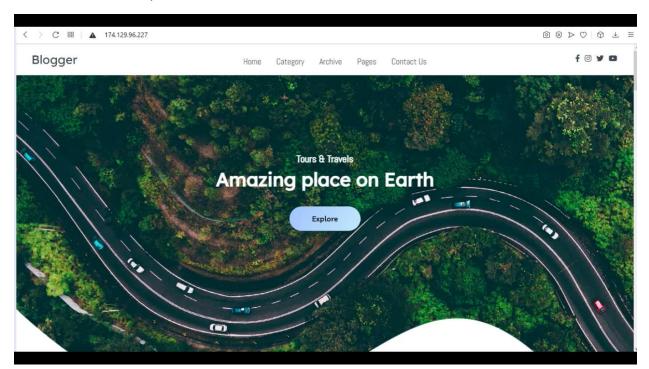
```
inflating: Blogger-master/js/
inflating: Blogger-master/js/Jquery3.4.1.min.js
inflating: Blogger-master/js/Jquery3.4.1.min.js
inflating: Blogger-master/js/Jquery3.4.1.min.js
inflating: Blogger-master/js/Jquery3.4.1.min.js
inflating: Blogger-master/soul.carousel.min.js
inflating: Blogger-master/webfonts/
inflating: Blogger-master/webfonts/fa-brands-400.eot
inflating: Blogger-master/webfonts/fa-brands-400.eot
inflating: Blogger-master/webfonts/fa-brands-400.woff
inflating: Blogger-master/webfonts/fa-brands-400.woff2
inflating: Blogger-master/webfonts/fa-brands-400.woff2
inflating: Blogger-master/webfonts/fa-regular-400.eot
inflating: Blogger-master/webfonts/fa-regular-400.woff
inflating: Blogger-master/webfonts/fa-regular-400.woff
extracting: Blogger-master/webfonts/fa-solid-900.woff
inflating: Blogger-master webfonts/fa-solid-900.woff
Inflating: Blogger-master webfonts
```

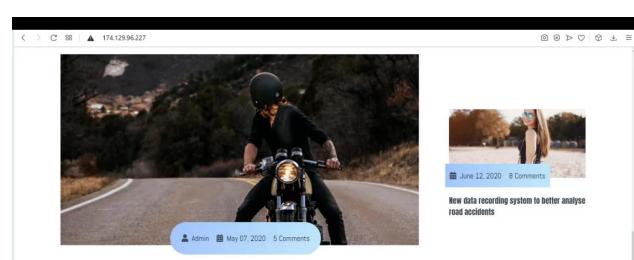
Step 18: Go to EC2 Instance and copy the public ipv4 address of Amazon AMI



Step 19: Enter the copied public IPv4 in web browser and now we are able to access uploaded static website

• Contents of uploaded website





New data recording system to better analyse road accidents

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Soluta ex quidem ad maxime nemo debitis aperiam natus ipsum voluptatem nesciunt totam repudiandae, non quia dolor nobis, laboriosam facilis mollitia in?



