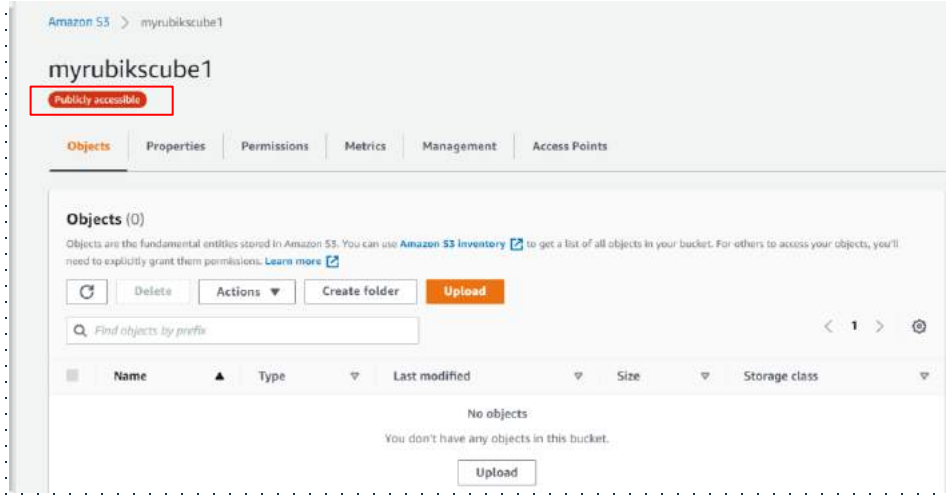
CLOUD COMPUTING PROJECT

PROJECT-
TO HOST A WEBSITE ON THE APACHE SERVER USING THE EC2 INSTANCE

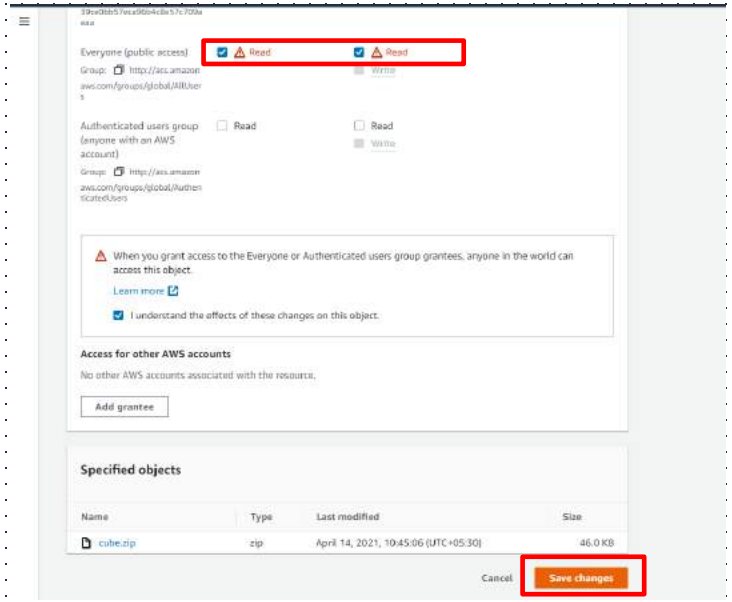
Project details::

1. Go to the LINK.
2. Upload it to S3.
3. Create an EC2 instance.
4. Install apache using yum install httpd –y
5. Go to var/www/html using cd command.
6. Wget(s3 link) and unzip the file.
7. cp filename ../.
8. Service httpd start
9. Run the IP in the browser of the EC2 instance

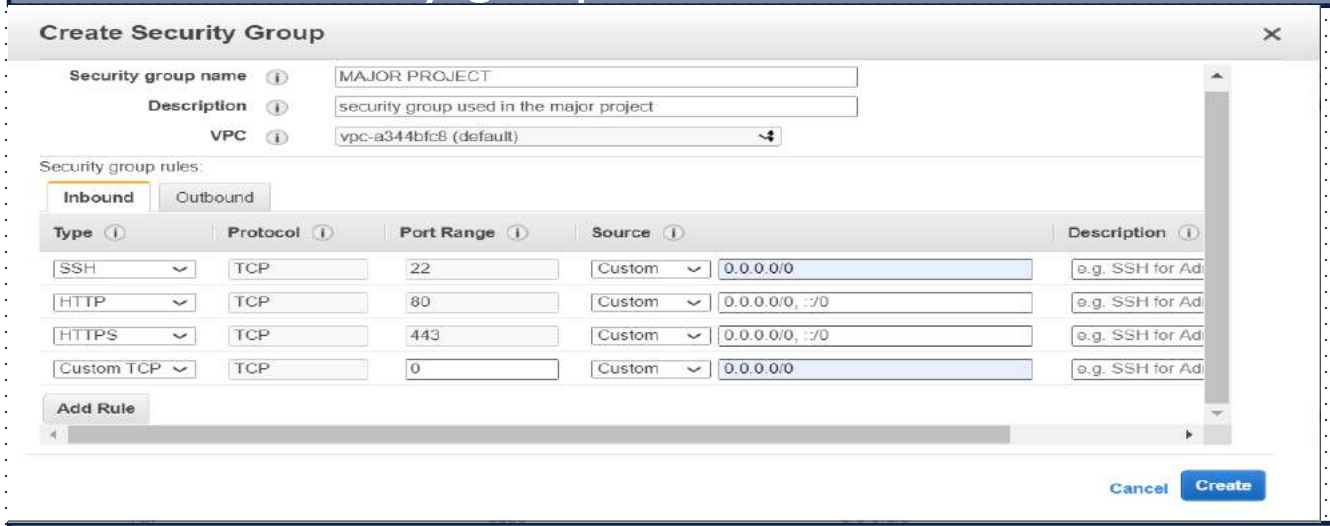
1. Make a public s3 bucket



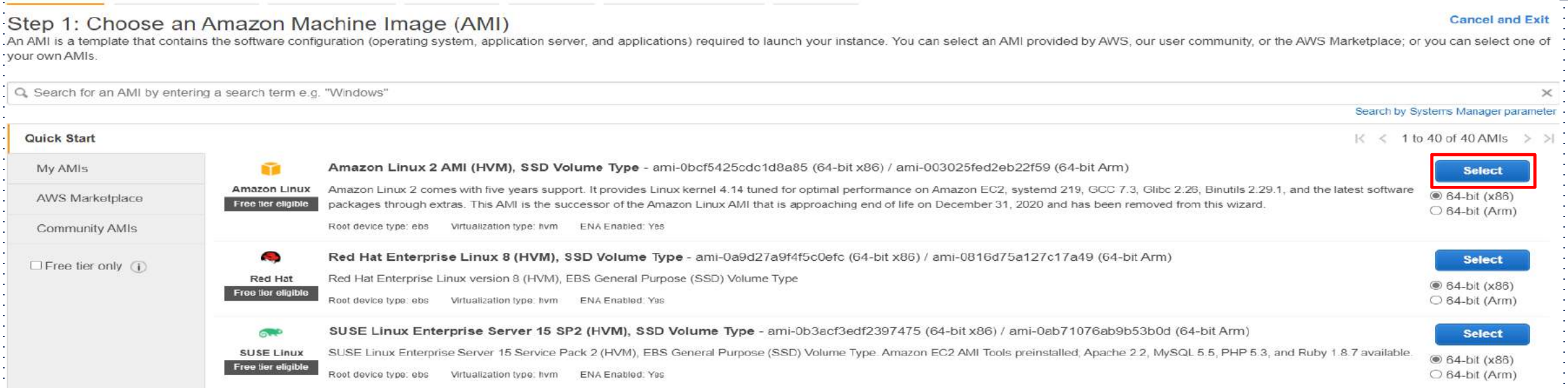
2.Upload the zip file in the bucket and set the (ACL) public to everyone.



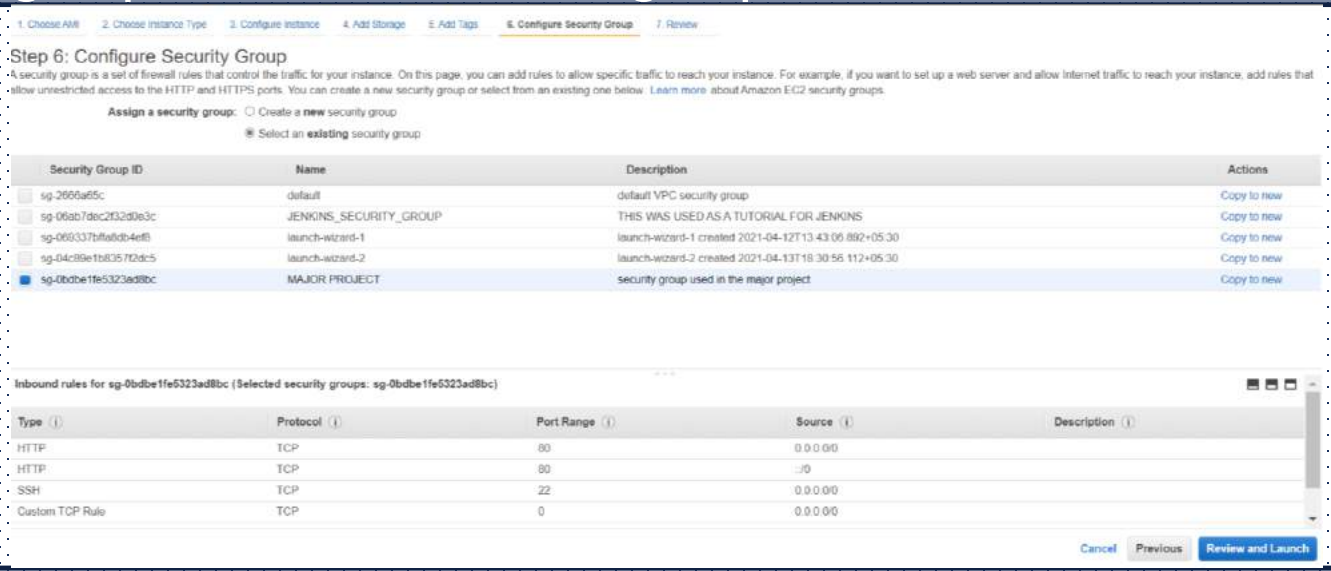
3. Make a security group and in the inbound add the rules shown. Click create.



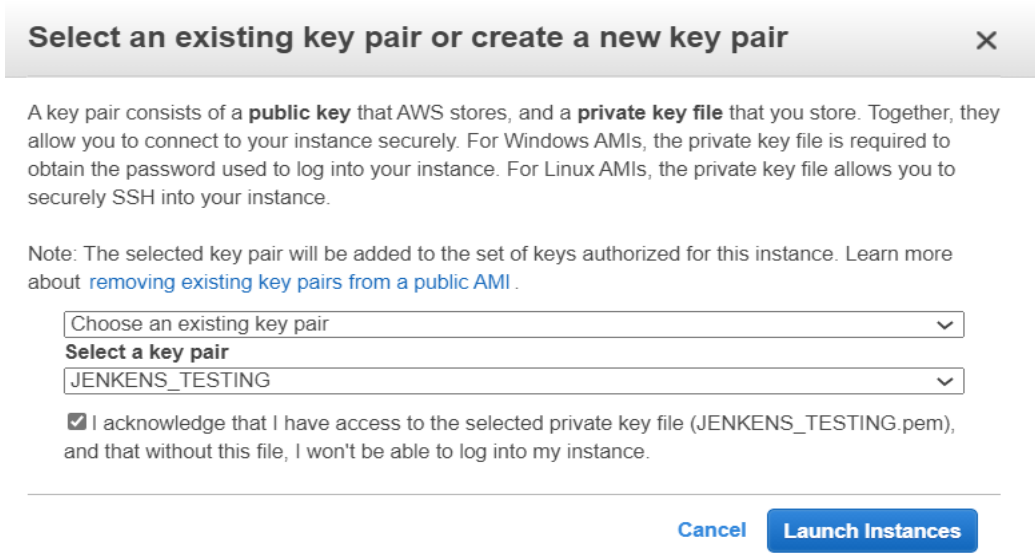
4.Launch the Instance Amazon Linux 2 as shown by clicking on select and after clicking here select t2 instance type(free tier eligible) under choose an instance tab and click review and launch.



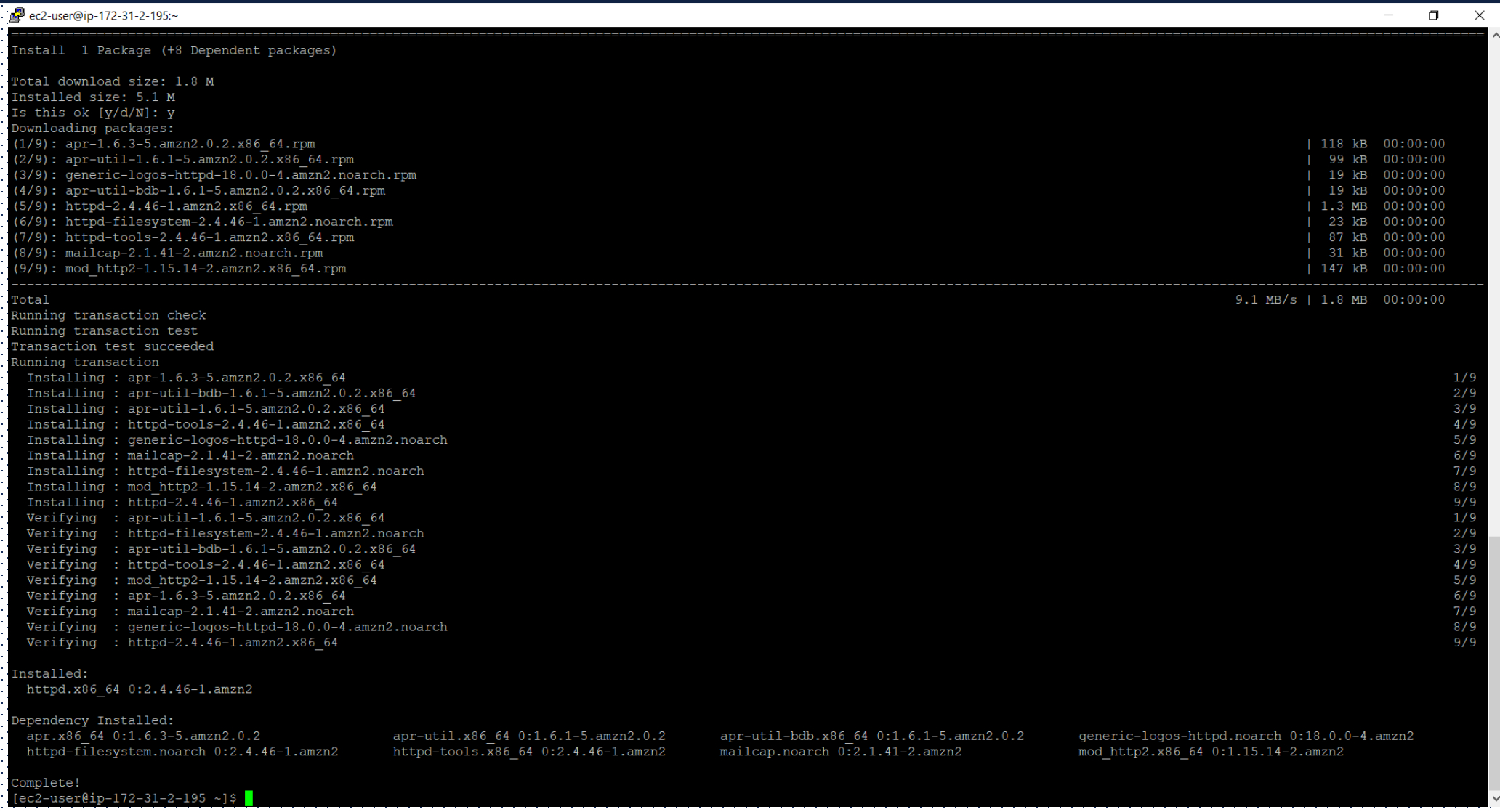
5.Select Edit security groups and the select the group which we made earlier.



6. Select the existing key pair(or create a new) and launch the instance.



7. Install apache by the command :yum install httpd -y

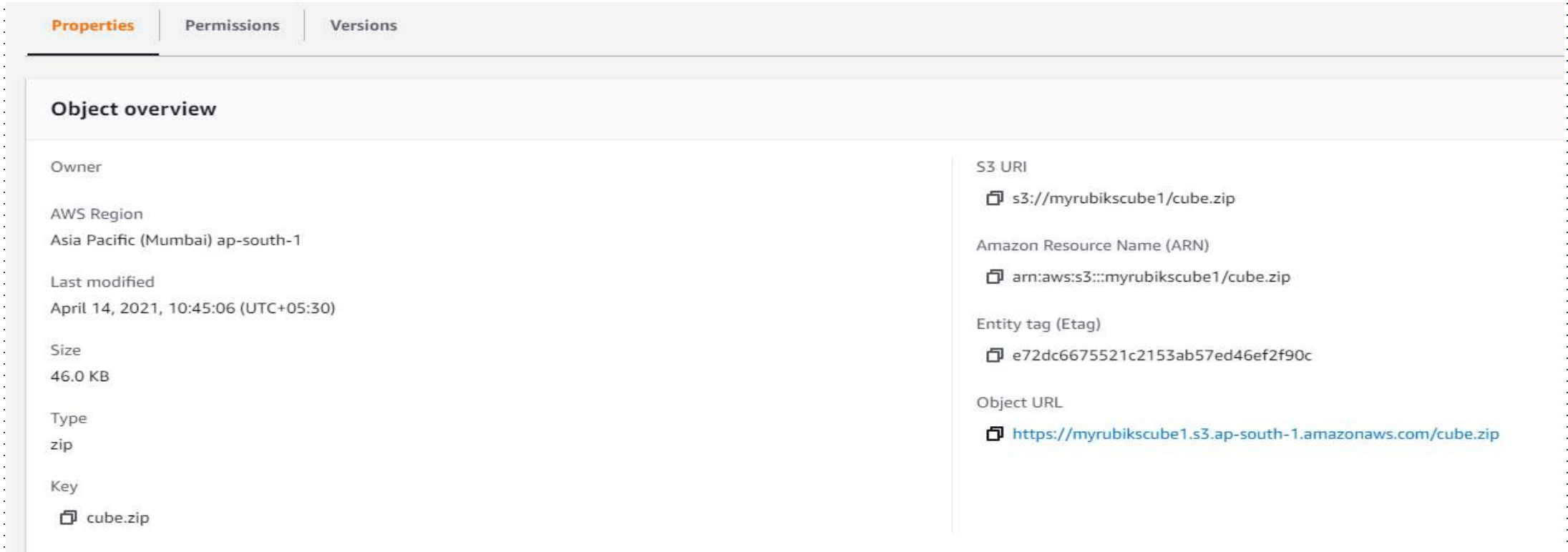


Installation is complete.

8. Go to the /var/www/html directory.

```
[ec2-user@ip-172-31-2-195 ~]$ cd /var/www/html
[ec2-user@ip-172-31-2-195 html]$ sudo cd /var/www/html
[ec2-user@ip-172-31-2-195 html]$ pwd
/var/www/html
[ec2-user@ip-172-31-2-195 html]$
```

9. Copy the s3 object URL and paste it after the command:: w3get



10. Paste it after the command:: w3get

```
[ec2-user@ip-172-31-2-195 html]$ sudo su
[root@ip-172-31-2-195 html]# wget https://myrubikscube1.s3.ap-south-1.amazonaws.com/cube.zip
--2021-04-14 07:24:00--  https://myrubikscube1.s3.ap-south-1.amazonaws.com/cube.zip
Resolving myrubikscube1.s3.ap-south-1.amazonaws.com (myrubikscube1.s3.ap-south-1.amazonaws.com)... 52.219.62.23
Connecting to myrubikscube1.s3.ap-south-1.amazonaws.com (myrubikscube1.s3.ap-south-1.amazonaws.com)|52.219.62.23|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 47084 (46K) [application/zip]
Saving to: 'cube.zip'

100%[=============================================================================================================================================>] 47,084      --.-K/s   in 0.002s

2021-04-14 07:24:00 (28.7 MB/s) - 'cube.zip' saved [47084/47084]

[root@ip-172-31-2-195 html]#
```

11. Unzip the file and copy it to the var/www/html directory

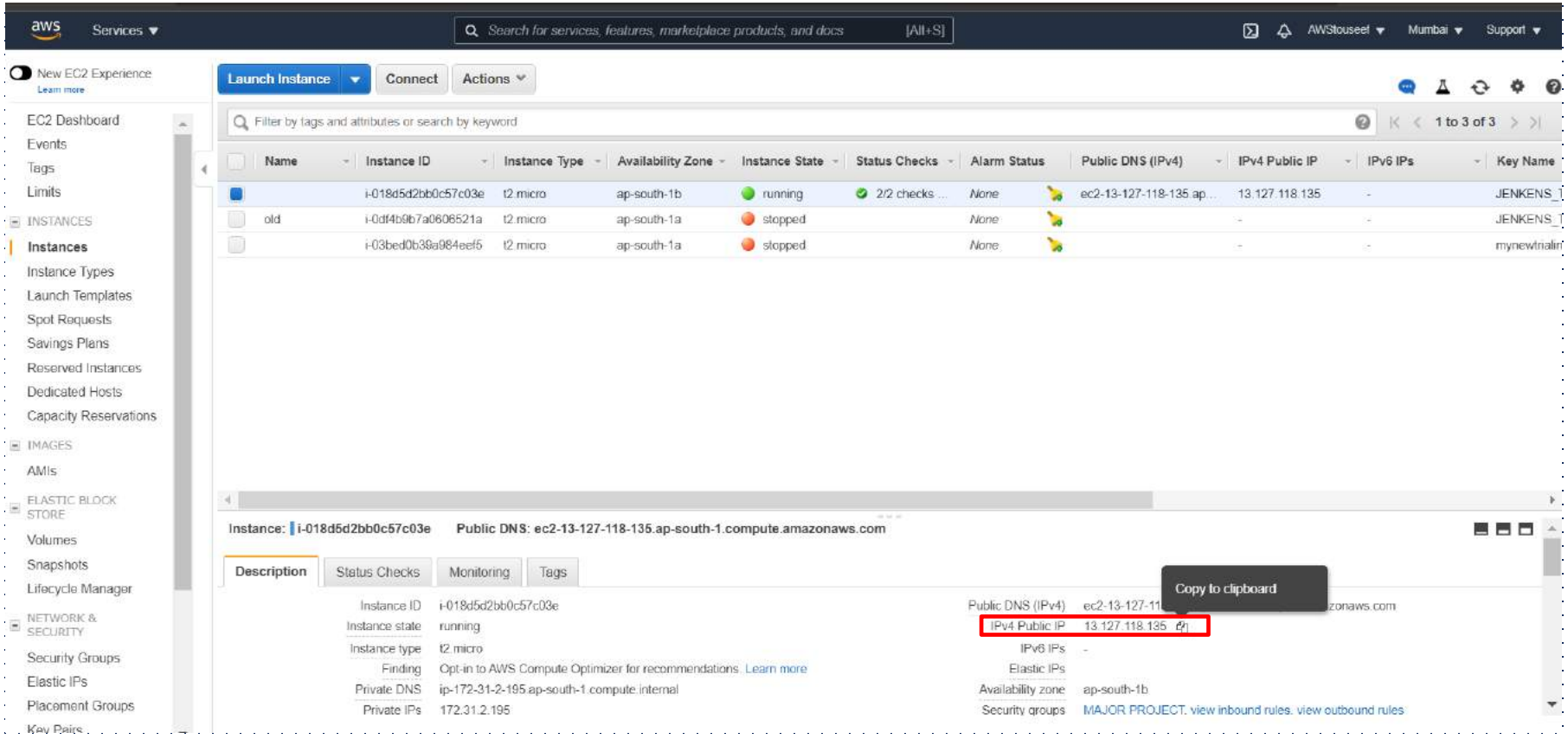
```
[root@ip-172-31-2-195 html]# ls
cube.zip
[root@ip-172-31-2-195 html]# unzip cube.zip
Archive:  cube.zip
   creating: cube/
  inflating: cube/index.html
  inflating: cube/script.js
  inflating: cube/style.css
[root@ip-172-31-2-195 html]# ls
cube  cube.zip
[root@ip-172-31-2-195 html]# cd cube
[root@ip-172-31-2-195 cube]# ls
index.html  script.js  style.css
[root@ip-172-31-2-195 cube]# pwd
/var/www/html/cube
[root@ip-172-31-2-195 cube]# cp index.html script.js style.css ../.
[root@ip-172-31-2-195 cube]# cd ..
[root@ip-172-31-2-195 html]# pwd
/var/www/html
[root@ip-172-31-2-195 html]# ls
cube  cube.zip  index.html  script.js  style.css
[root@ip-172-31-2-195 html]#
```

12. Type the command:: service httpd start

root@ip-172-31-2-195:/var/www/html

```
[root@ip-172-31-2-195 html]# ls
cube  cube.zip  index.html  script.js  style.css
[root@ip-172-31-2-195 html]# service httpd start
```

13. Copy the IP address of the instance.



14. Run it in the browser.

It's working absolutely fine.

THANK YOU

-Mohammad Touseef