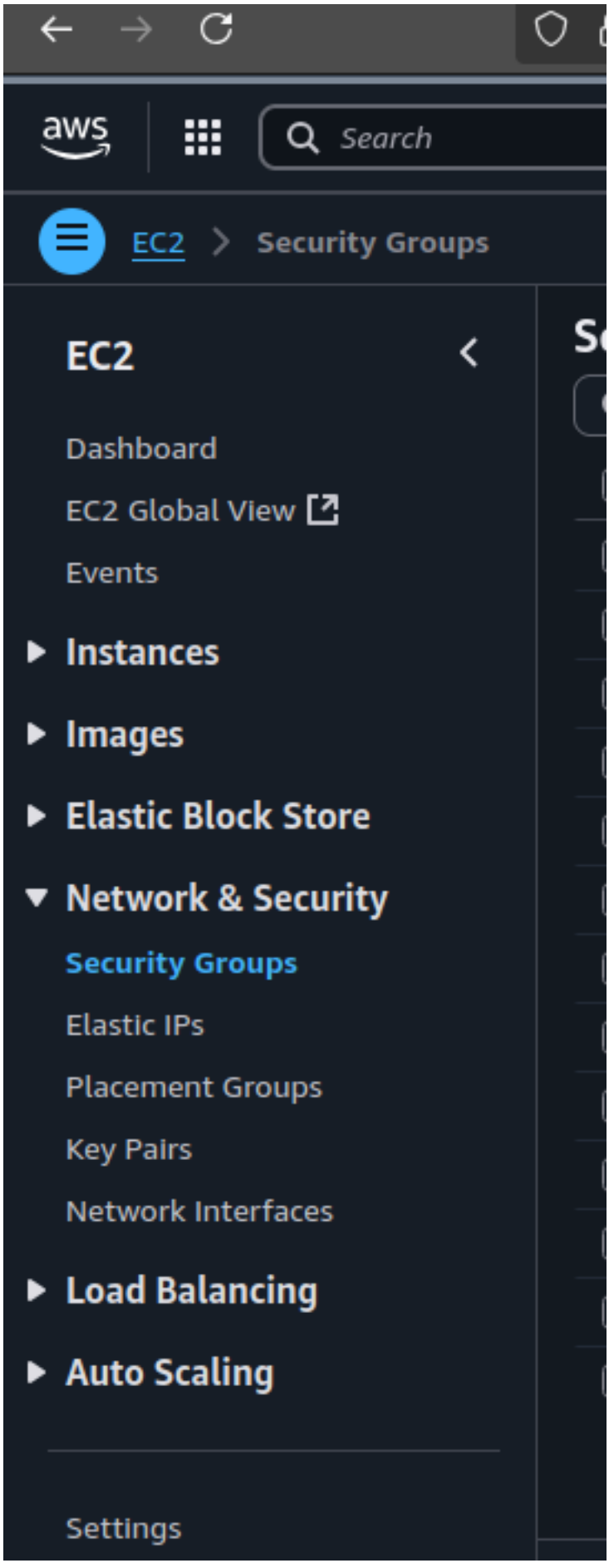
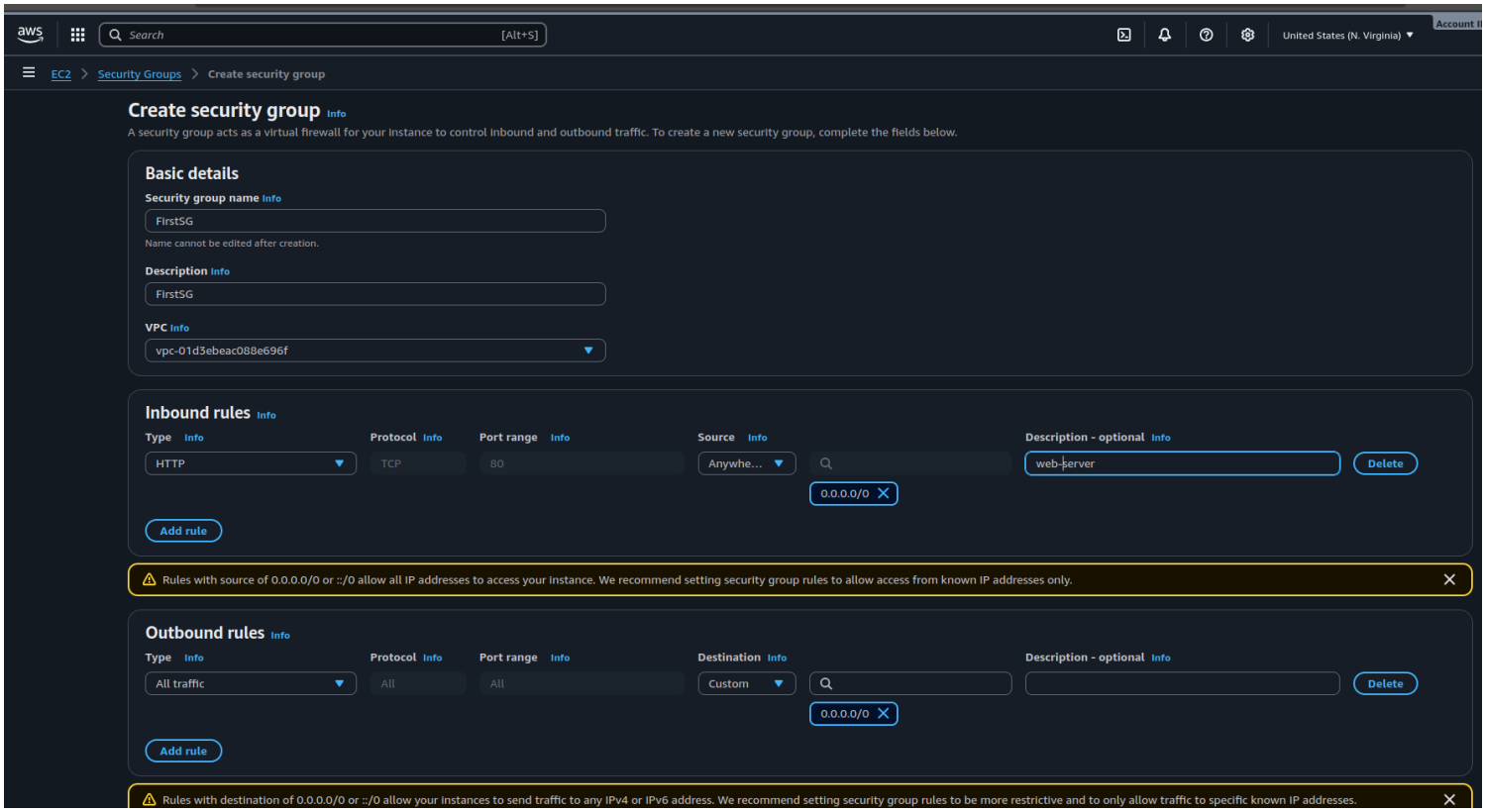
Creating a basic EC2 instance

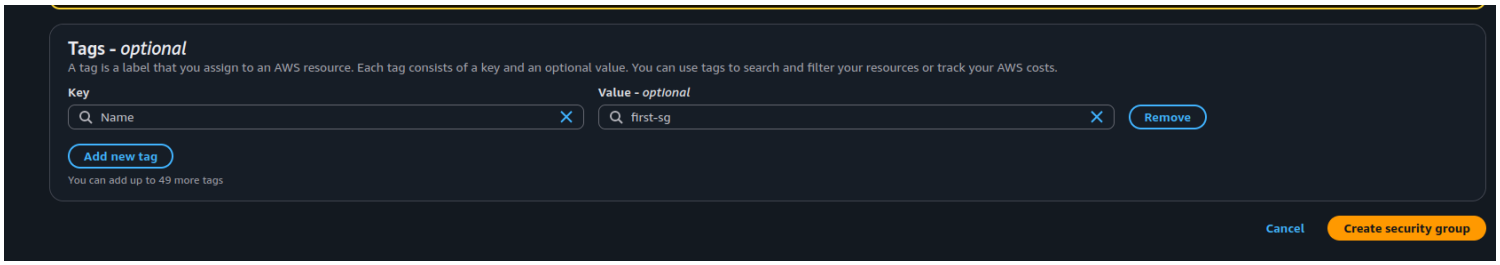
Creating a Security group:
Under EC2, go to network and security tab and choos security group.



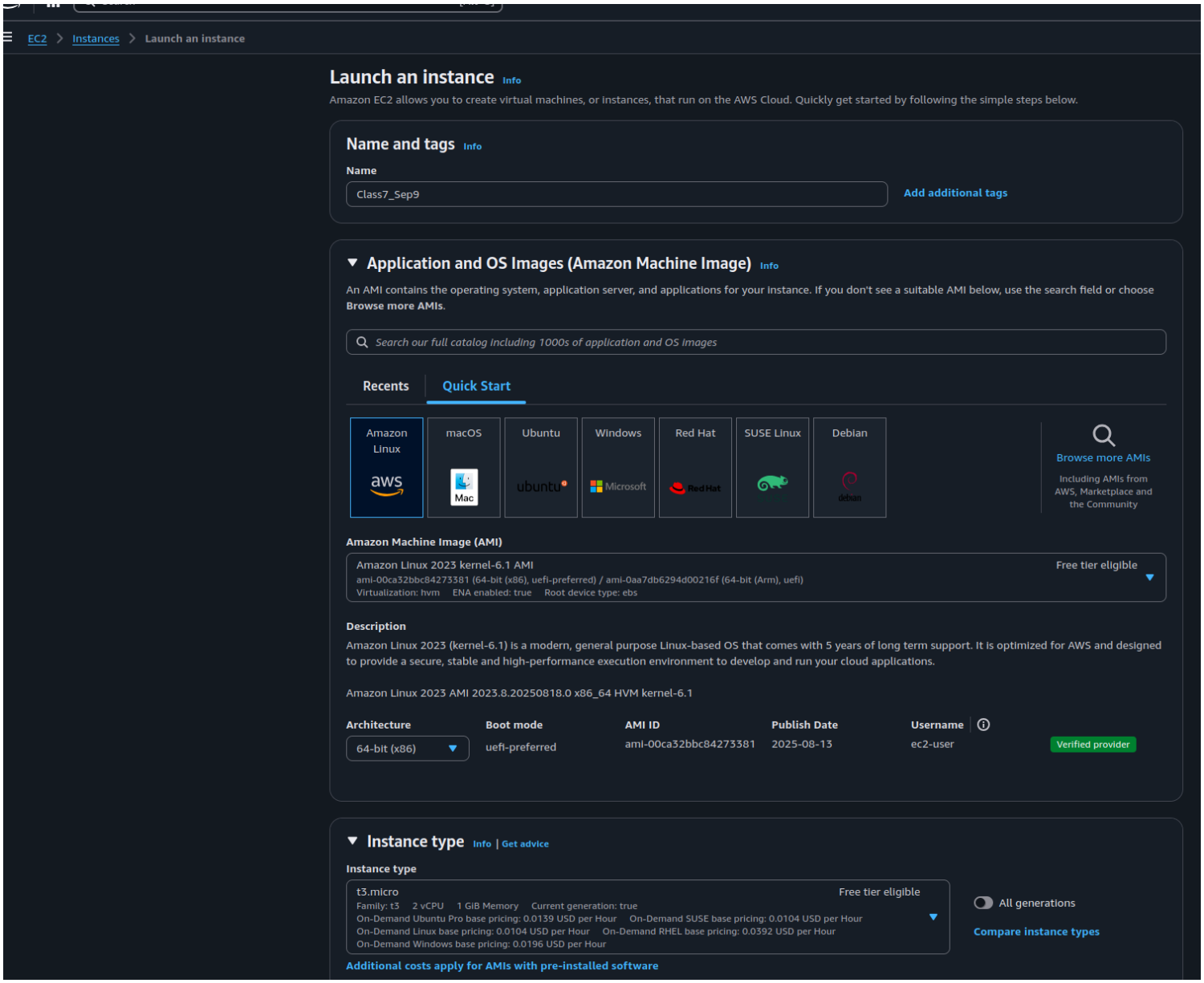
Click on the orange tab to create a security group.
Then name it something in relation to what the project is.
I use the name for the description also.
Inbound rules is http with source of Anywhere ipv4.



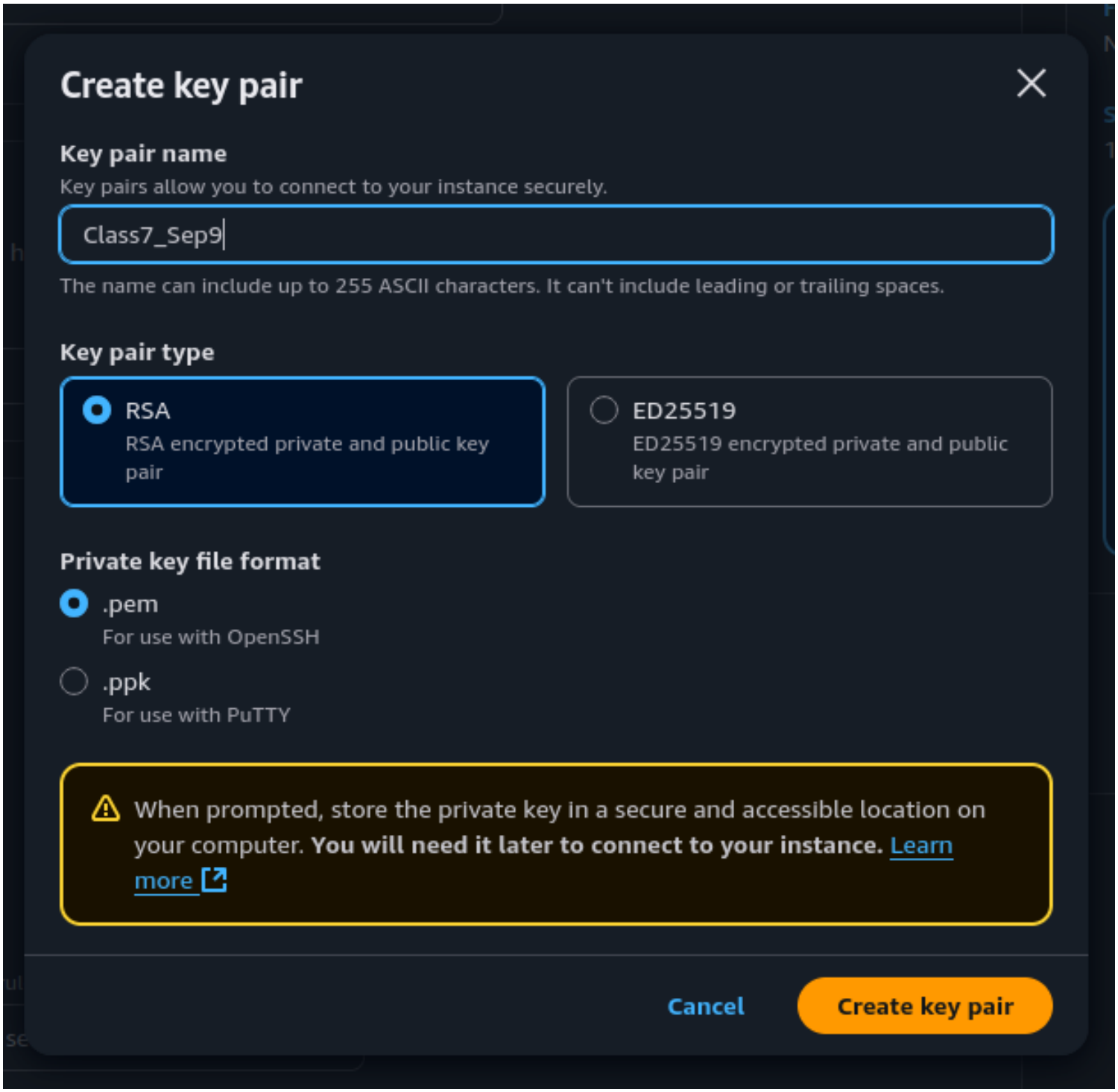
I add a tag and then press the orang tab to create the security group.



Under Instances in EC2, click on launch instance.
Give your instance a name. I named mine Class7_Sep9.
Leave the Image on default Amazon Linux and default Instance type.

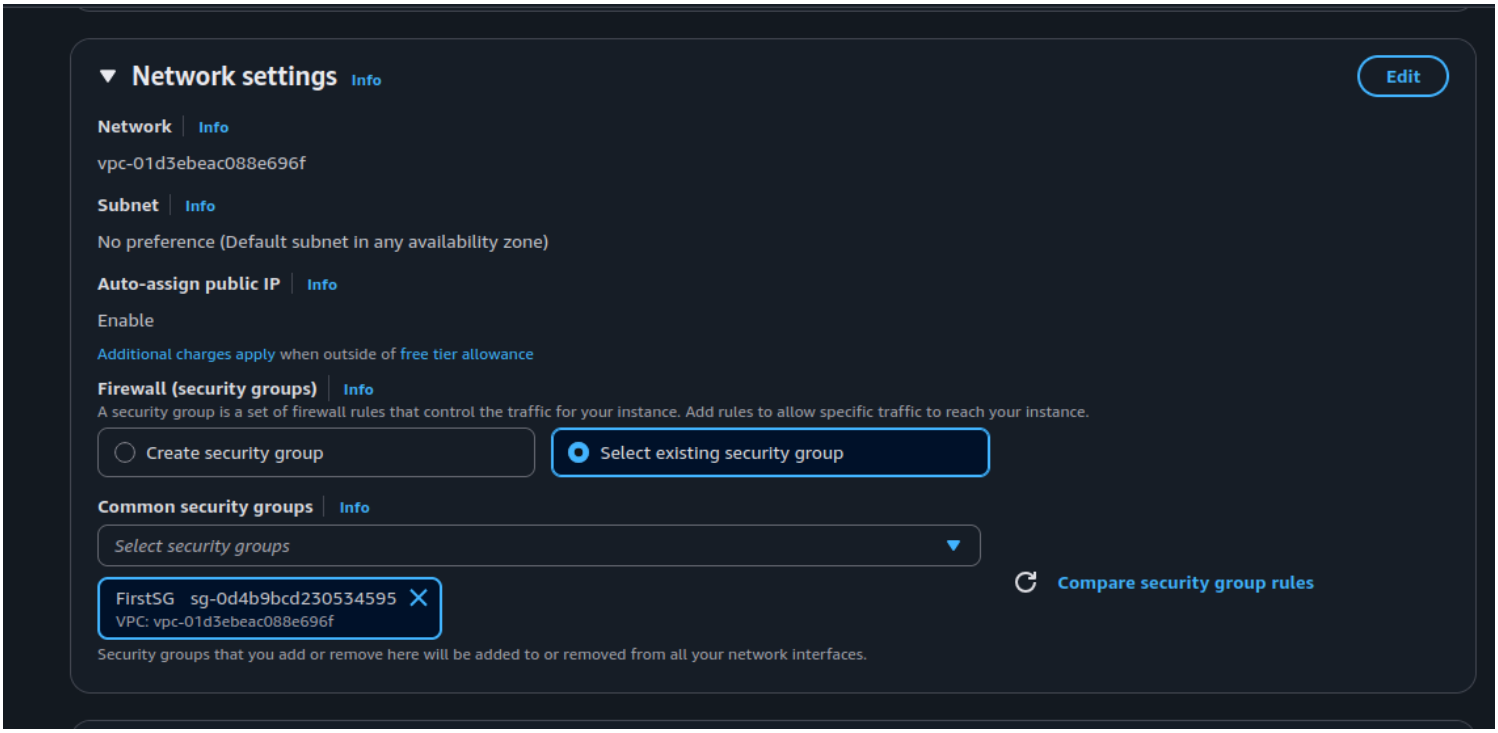


Under Key pair if this is your first time create a new key pair.



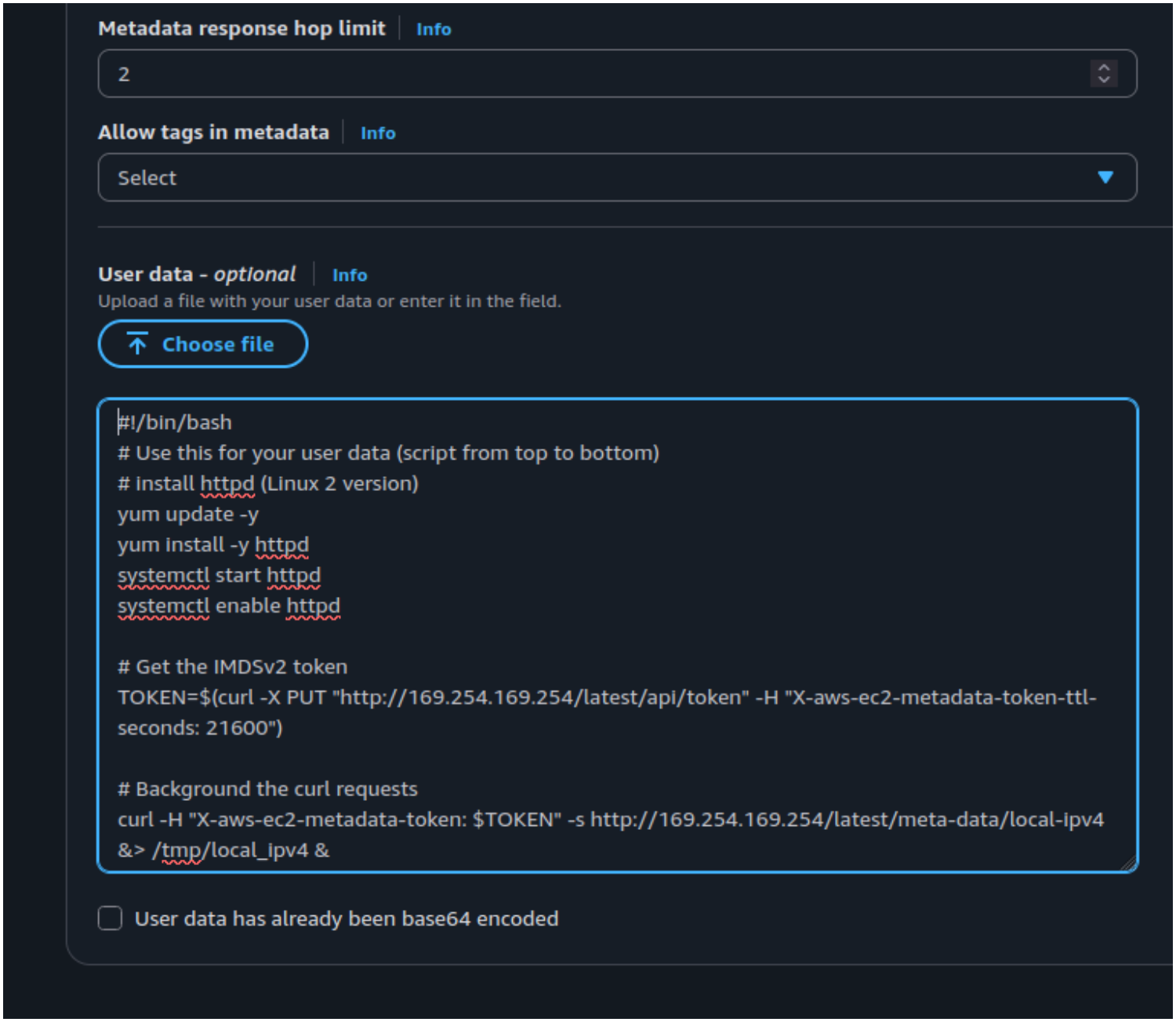
I used the same naming convention to keep it simple.

In the Network Settings we will choose a security group that we previously created before launching the EC2 instance.

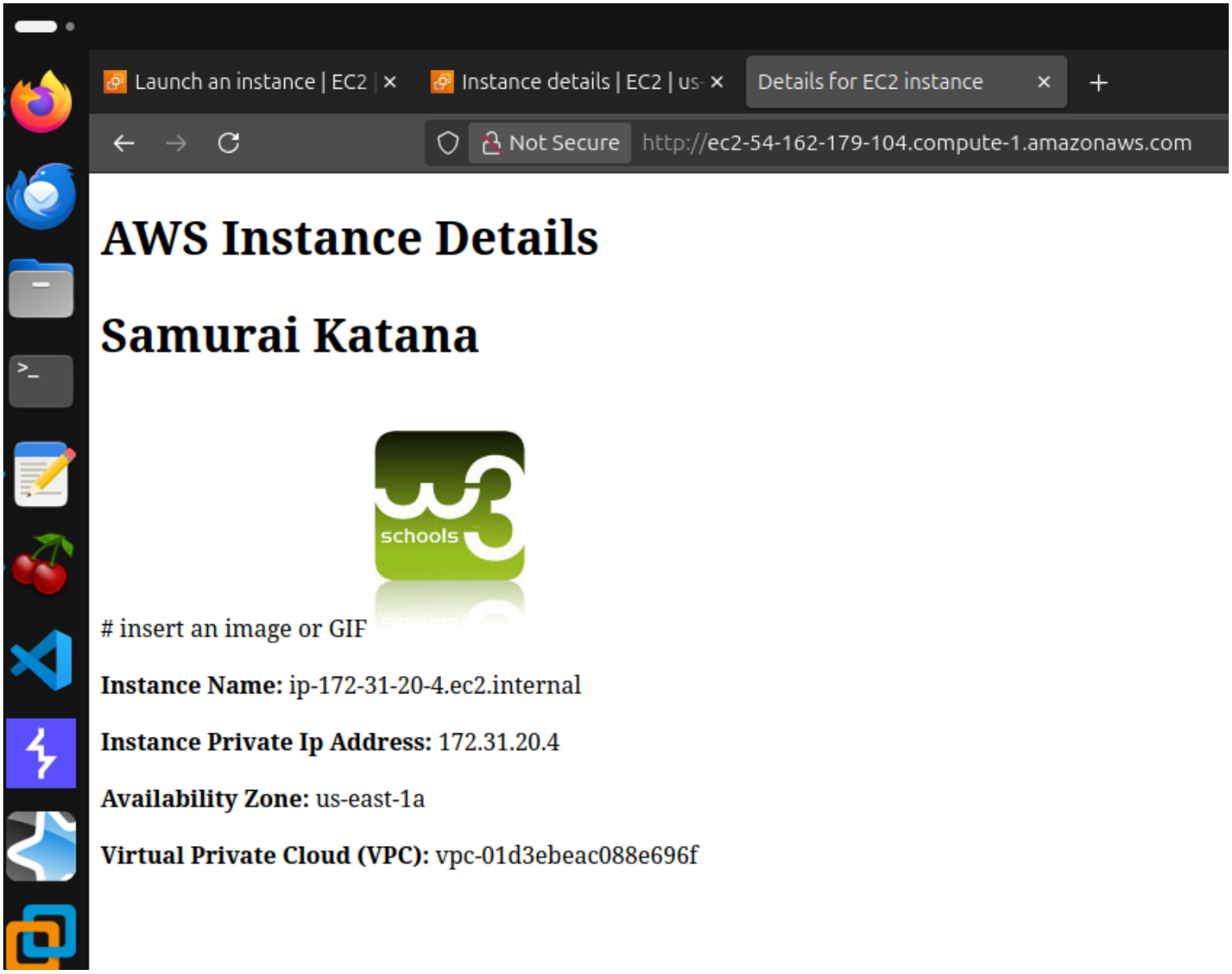


I named it the same as the instance with SG at the end. I also added a inbound rule for http as the type, source is anywhere ipv4.

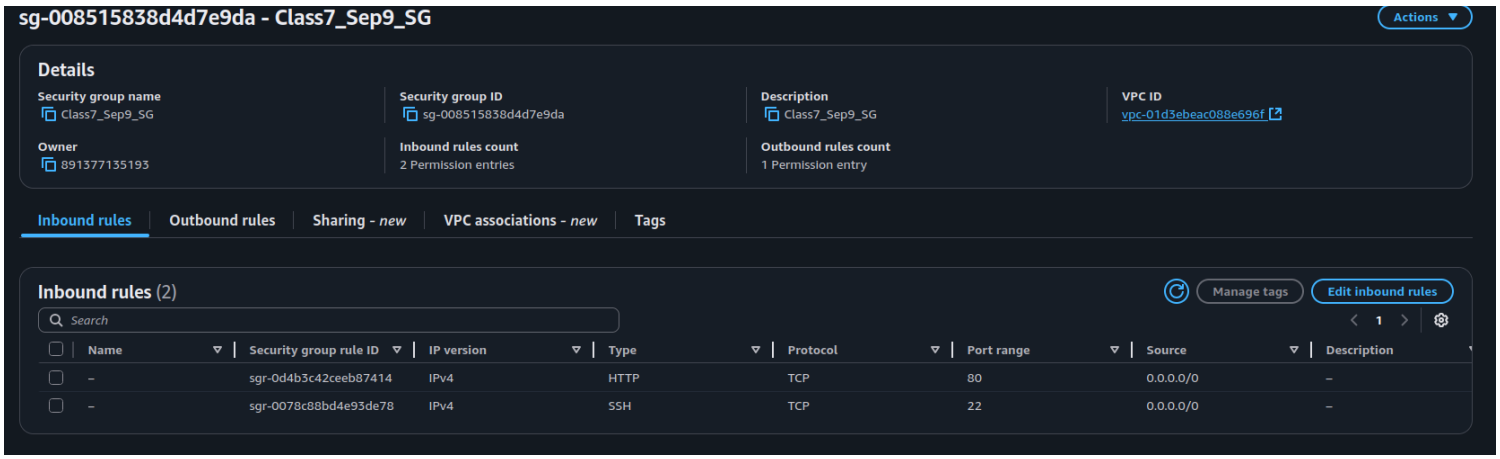
I then go into the advanced details and paste the startup.txt script into the user data before launching the instance for the first time.



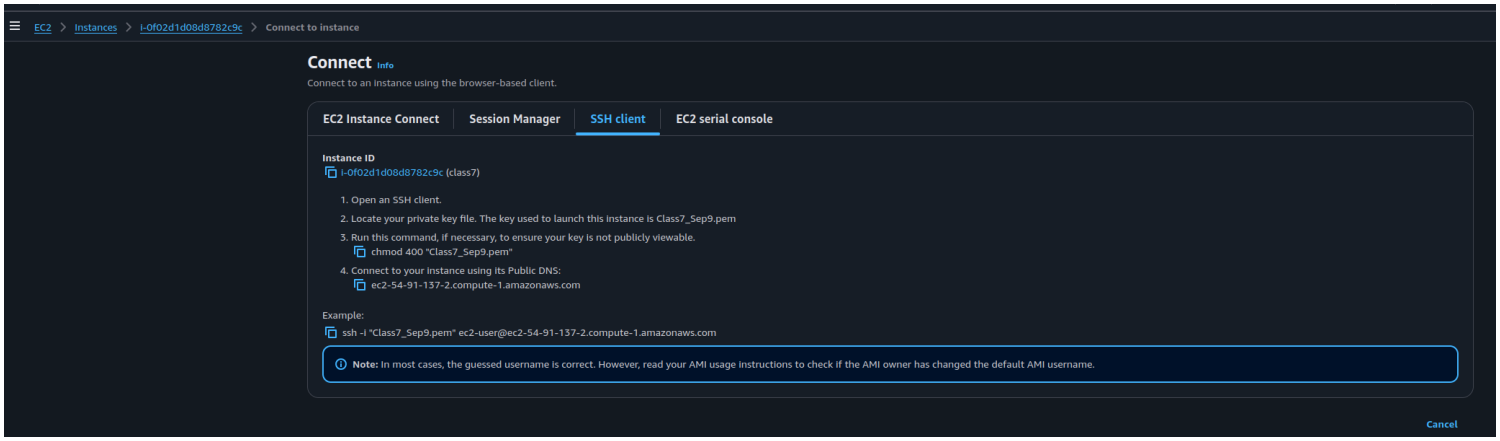
Now i launch the instance
After the instance launches i verify by going to the public dns on the browser.
http://



In order to do the second part of the homework, i enabled ssh on the security group so that i can ssh into the VM.



After enabling ssh i connected to the instance according to AWs instructions:



So i first change the permissions of the .pem that i recieved that is currently on my computer with the command:

chmod 400 “Class7_Sep9.pem”

I then ssh into the VM:

ssh -i "Class7_Sep9.pem" ec2-user@ec2-54-91-137-2.compute-1.amazonaws.com

Now that i am into the VM i change to the directory that the webserver file is in.

cd /var/www/html/

Then:

sudo nano index.html

Paste the following into the editor:

<html lang=\"en\" class=\"h-100\">
<head>
<title>Details for EC2 instance</title>
</head>
<body>

<h1>WINNERS WIN!!!</h1>

<img src="https://www.nowtravelasia.com/wp-content/uploads/2018/08/trip-asia-travel.jpg"

"I, Larry Harris, THANK THEO AND Rob, FOR TEACHING ME ABOUT EC2s IN AWS. ONE STEP CLOSER TO ESCAPING KEISHA! "WITH THIS CLASS, I WILL NET $500.000 PER YEAR!"

</body>
</html>

save it and then refresh the website to see the update.

AWS Instance Details

Welcome To Larry's World

"I, Larry Harris, THANK THEO AND Rob, FOR TEACHING ME ABOUT EC2s IN AWS. ONE STEP CLOSER TO ESCAPING KEISHA! "WITH THIS CLASS, I WILL NET $500.000 PER YEAR!"