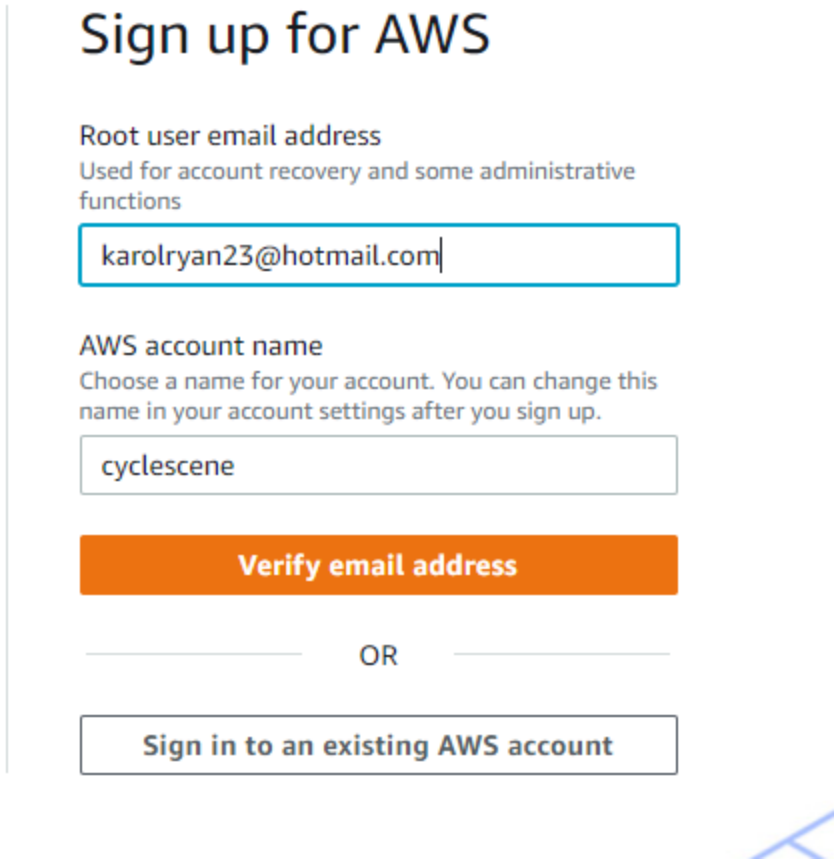
Deployment for AWS

- First we Navigate to https://aws.amazon.com/ and Sign up using our credentials, we will need a credit card to complete signup we can take 24hrs to complete.



Part1 Setting Up S3 Bucket

Go to the Services menu and search for S3, this is the service we will be using to host our static files on the web.

- Once you have setup your account and gone through the necessary verification steps and added a credit card we can setup S3.
- Open s3 and create a new bucket. Which will be used to store our files
- We called ours cyclescene as its recommended to call it after the Heroku app.
- Select a region select that's closest to you in our case it was **eu-west-1**
- We want our file available for public access so choose this setting.

- Choose create bucket.
- First on the properties turn on static website hosting.
- This give us a new endpoint we can use to access it from the internet.
- For the index and error document, I just used index.html and error.html since we will be using our own – save.
- Find the permissions tab and we pasted in the coors configuration provided by the CI link.
- This sets up the required access between our Heroku app and this s3 bucket.
- On the bucket policy - policy generator - create a security policy - s3 bucket policy, use a ' * ' here to allow all - action will be, get object.
- Now we need the ARN generated earlier to paste it into the box - generate policy and policy into the bucket policy editor, add a slash star here onto the end of the resource key to allow all access then click save.
- access control list tab - set the list objects permission for everyone under the Public Access section here.
- Our S3 bucket is now ready

Part2 Setting Up IAM:

Go to the Services menu and open S3, s3 is the service we will be using to host our static files on the web. With our s3 bucket ready to go. Now we need to create a user to access it.

- We can do this through another service called Iam which stands for Identity and Access Management.
- Now go back to the services menu and open Iam.
- First we create a group called manage-cyclescene
- Now we can create the policy used to access our bucket by clicking policies and then create policy.
- Next go to the JSON tab and then select import managed policy which will let us
- import one that AWS has pre-built for full access to s3.
- Search for s3 and then import the s3 full access policy.
- We have to get the bucket ARN from the bucket policy page in s3..
- Click review policy.
- Give it a name and a description.

- And then click create policy.
- This takes us back to the policies page where we can see our policy has been created.
- Now we have to attach the policy to the cyclescene group we created.
- Groups - manage cyclescene - attach policy
- Now we create a user to put in the group.
- On the user's page - add user - create a user named cyclescene-staticfiles-user
- Give the user programmatic access.
- Now we can put the user in our group with the attached policy.
- Got to the end and then click create user.
- A CSV file will be generated which will contain our users access key and secret access key, which we'll use to authenticate them from our Django app. (Keep safe and don't make available for public access)
- Our IAM service is now setup.

end