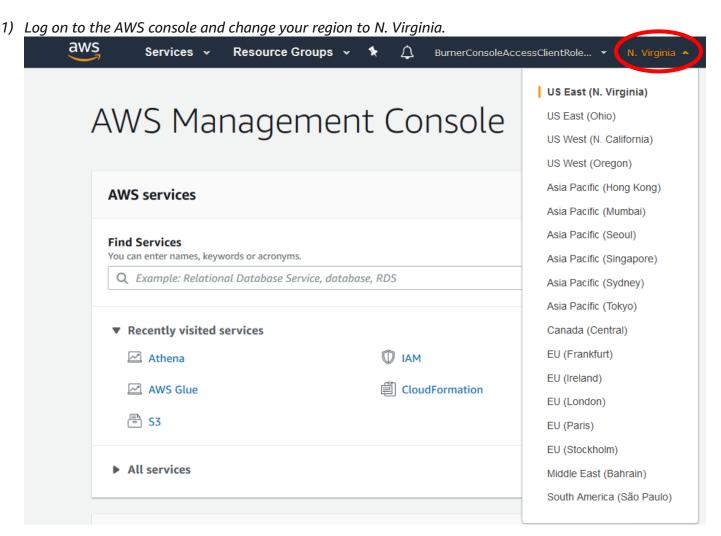


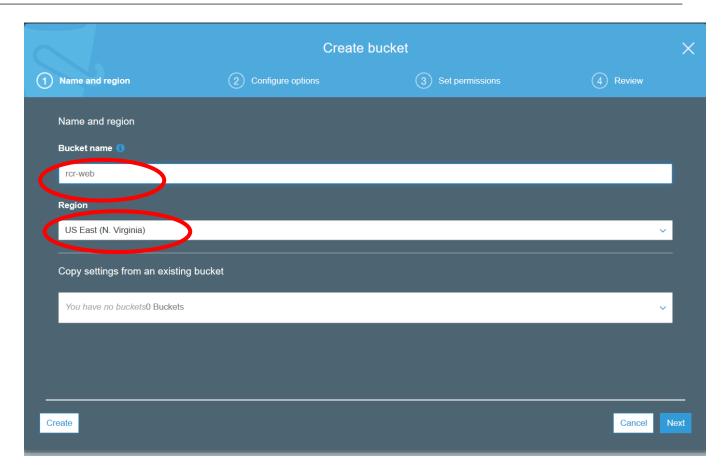
## Section 4: Create S3 bucket and subdirectories as a webserver

In this section, you will create an S3 bucket and associated folders necessary to complete this lab. These folders will be used to host your static web content. You will not have to manage any webservers, your html files will be an http:// endpoint serviced by S3.



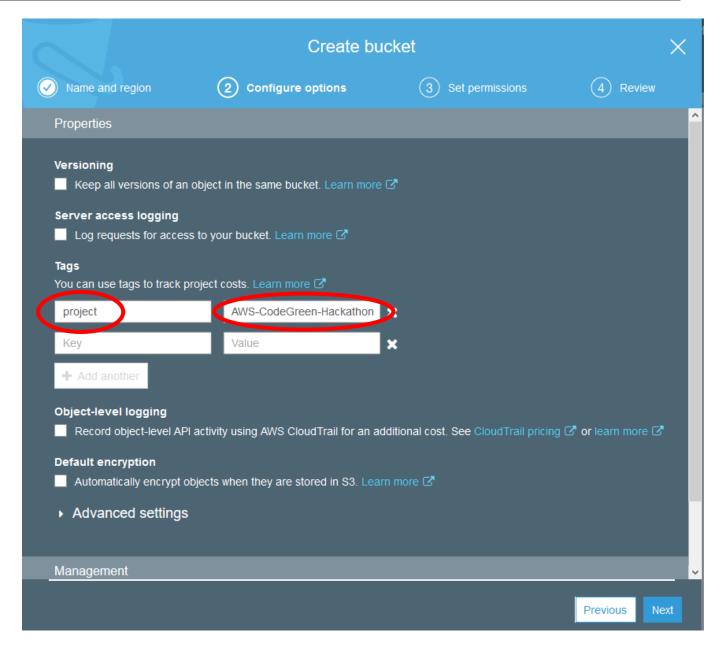
2) In the Find Services field, search for S3 and navigate to the S3 dashboard, then click on "Create bucket". All S3 buckets must have a globally unique name and must comply with DNS naming conventions, generally use lower-case letters and no underscores(more information). We recommend using your initials-web or some other name for uniqueness. Select the region N. Virginia and a unique name for the bucket name and click Next





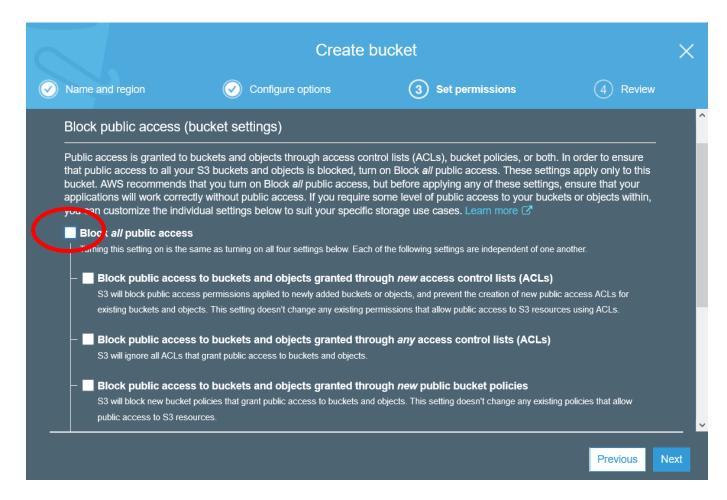
3) Add a tag of: Key=project and value: AWS-CodeGreen-Hackathon and click Next





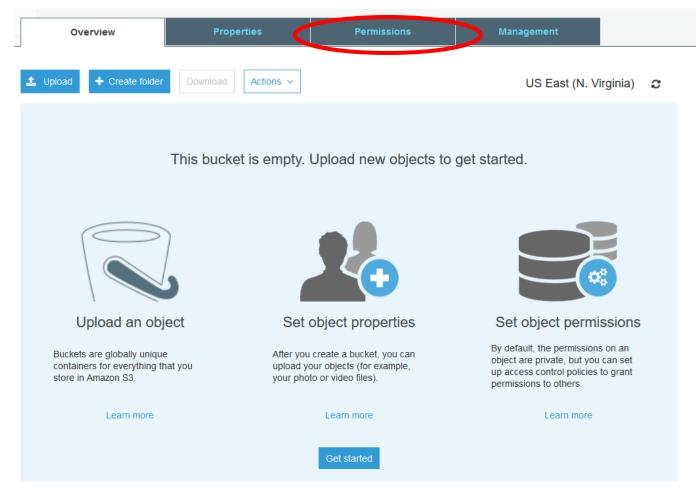
4) Since this bucket will be acting as our webserver, public access to this bucket is required. Uncheck the Block all public access check mark and click Next.





- 5) Click on Create bucket
- 6) Now you will see your bucket on the Amazon S3 dashboard, under Buckets
  Notice under Access, your bucket is listed as "Bucket and objects not public". To make the objects
  in your bucket publicly readable, you must write a bucket policy that grants everyone
  s3:GetObject permission. The following sample bucket policy grants everyone access to the
  objects in the specified folder.
- 7) Click on the bucket you just created, then click on the Permissions tab





8) Click on the Bucket Policy tab. Open the S3-policy-web.json file and replace the YOUR-BUCKET-NAME-HERE with the name of the bucket you created earlier in the exercise and click save

```
"Version":"2012-10-17",
"Statement":[{
    "Sid":"PublicReadGetObject",
        "Effect":"Allow",
        "Principal": "*",
    "Action":["s3:GetObject"],
    "Resource":["arn:aws:s3:::YOUR-BUCKET-NAME-HERE/*"
    ]
}
```

- 9) You will be given a warning about making your S3 buckets public. Keep in mind, anyone on the Internet will not be able to READ data in this bucket.
- 12) Open the index.html file in a text editor and search for URL. It will be around line 114. Replace the YOUR\_ENDPOINT\_URL\_HERE with the endpoint URL you created in the last section and

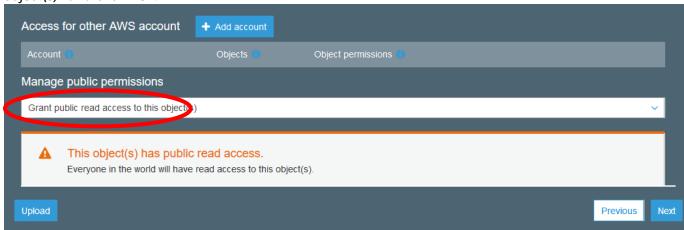


saved to your text file. Be sure to add the full Endpoint name including the /query such as: http://myendpoint.amazonapps.com/test/query

```
<script>
    URL = 'YOUR_ENDPOINT_URL_HERE'
```

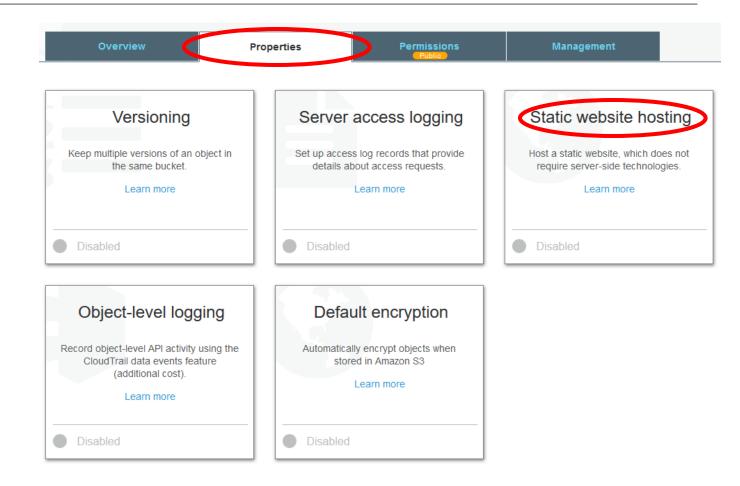
- 13) Click on the Overview tab, then click on the Upload button. Upload the index.html file you edited.

  Click Next
- 14) In the Public permissions, click on the drop-down box and select "Grant public read access to this object(s)" and click Next



- 15) Leave the defaults for standard Storage class and click Next
- 16) Click upload
- 17) Now click on the properties tab then click on Static website hosting





- 18) Copy the endpoint URL and save it to your text editor as this will serve as the website URL you are creating. Select the "Use this bucket to host a website" radio button, type index.html for the Index Document and click Save. We are not configuring an error document, but you could define it here if you decide to create one on your own.
- 19) Open a new tab in your web browser and go to the endpoint you copied in the previous instruction.
- 20) Click Submit, wait 15-20 seconds and this is the ideal location to run your event!

You are now completed with this section. In this section, you created an S3 bucket that will serve as the website for your application you built over the course of this workshop.