

Deploying mystaticwebsite-project1 to Amazon S3 bucket

1. Created a bucket name “mystaticwebsite-project1”.

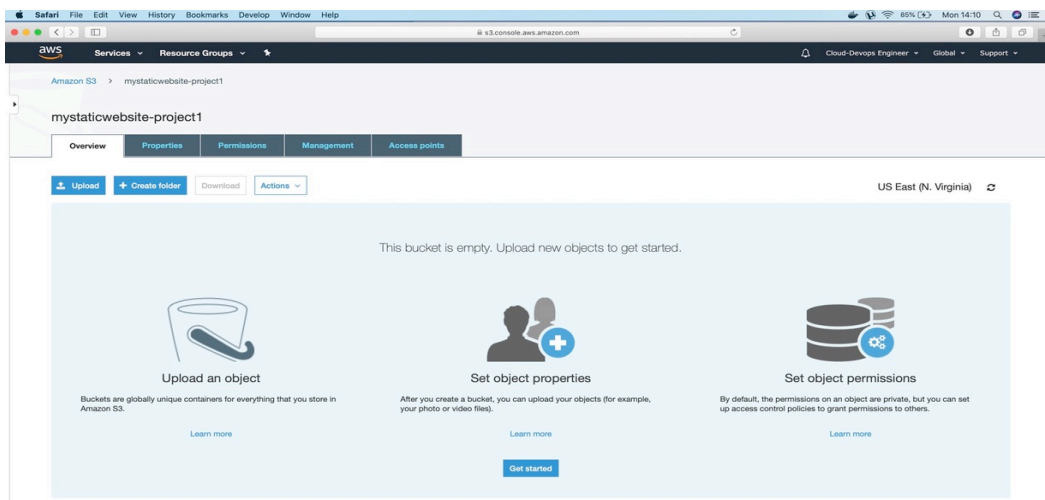
The screenshot shows the AWS S3 console interface for creating a new bucket. The left sidebar contains navigation links for Amazon S3, Buckets, Batch operations, Access analyzer for S3, Block public access (account settings), and Feature spotlight. The main content area is titled 'General configuration' and includes a 'Bucket name' field with the value 'mystaticwebsite-project1', a 'Region' dropdown set to 'US East (N. Virginia) us-east-1', and a 'Bucket settings for Block Public Access' section. This section has a 'Block all public access' checkbox checked, with four sub-options: 'Block public access to buckets and objects granted through new access control lists (ACLs)', 'Block public access to buckets and objects granted through any access control lists (ACLs)', 'Block public access to buckets and objects granted through new public bucket or access point policies', and 'Block public and cross-account access to buckets and objects through any public bucket or access point policies'. At the bottom, there is an 'Advanced settings' link, 'Cancel' and 'Create bucket' buttons.

2. Amazon S3 bucket successfully created.

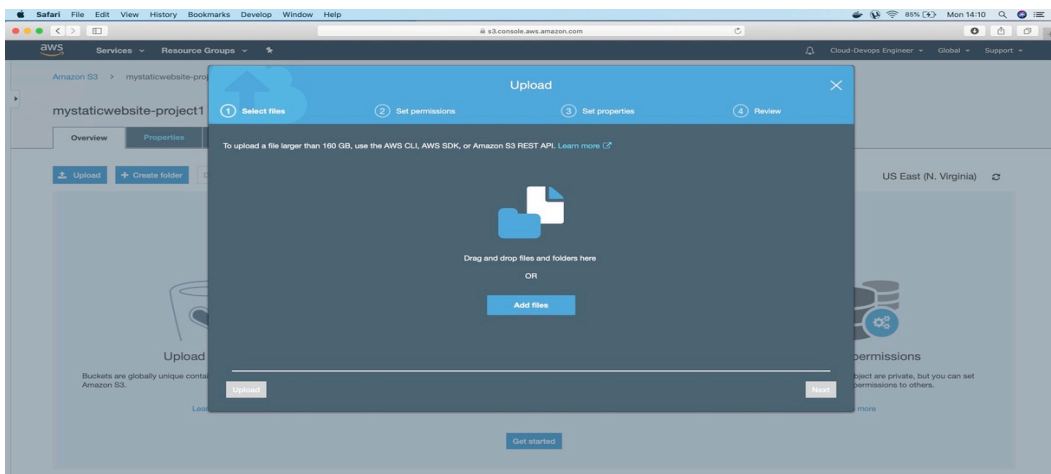
The screenshot shows the AWS S3 console interface after the bucket 'mystaticwebsite-project1' has been successfully created. A green banner at the top displays the success message: 'Successfully created bucket mystaticwebsite-project1'. Below the banner, the 'Buckets (3)' section is visible, showing a list of three buckets. The table has columns for Name, Region, Access, and Bucket created. The bucket 'mystaticwebsite-project1' is listed with Region 'US East (N. Virginia) us-east-1' and Access 'Not Public'.

Name	Region	Access	Bucket created
cf-templates-1vceah7dnzaco-eu-west-1	EU (Ireland) eu-west-1	Objects can be public	2020-03-27T14:45:04.000Z
elasticbeanstalk-eu-west-1-504716675564	EU (Ireland) eu-west-1	Public	2020-03-24T18:35:10.000Z
mystaticwebsite-project1	US East (N. Virginia) us-east-1	Not Public	2020-03-30T18:07:15.000Z

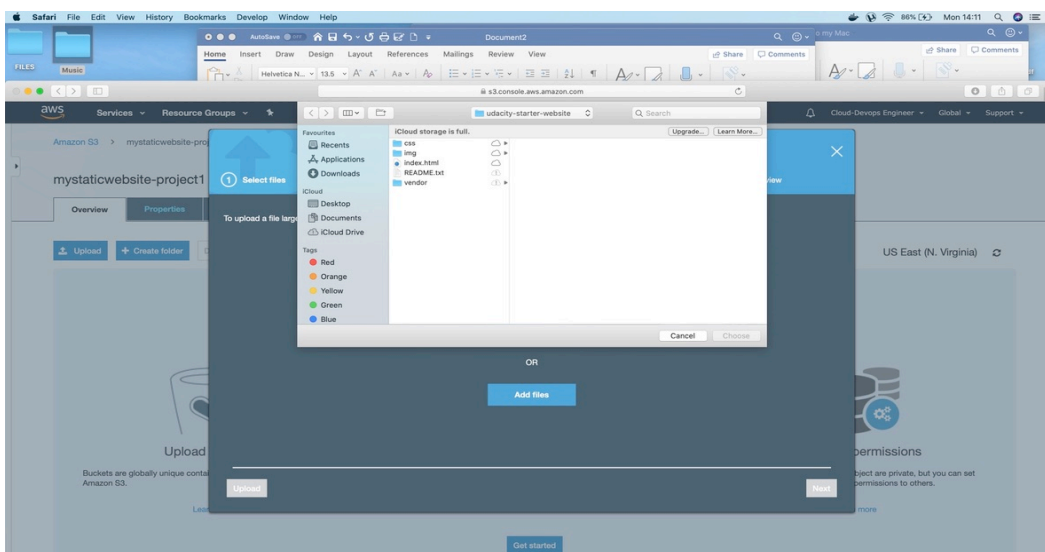
3. Clicked on bucket name and opened the “Overview” tab.



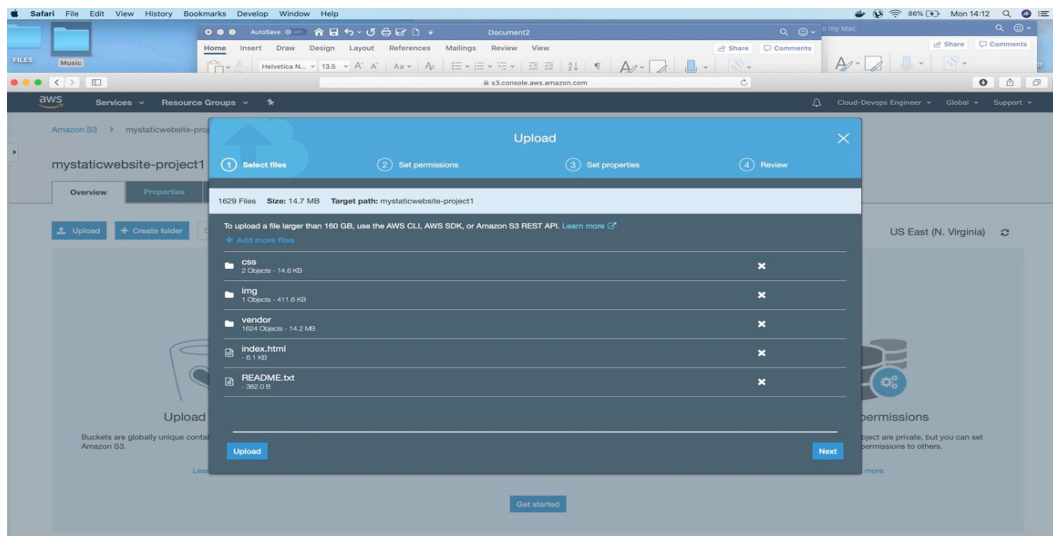
4. Opened S3 bucket to add downloaded website files.



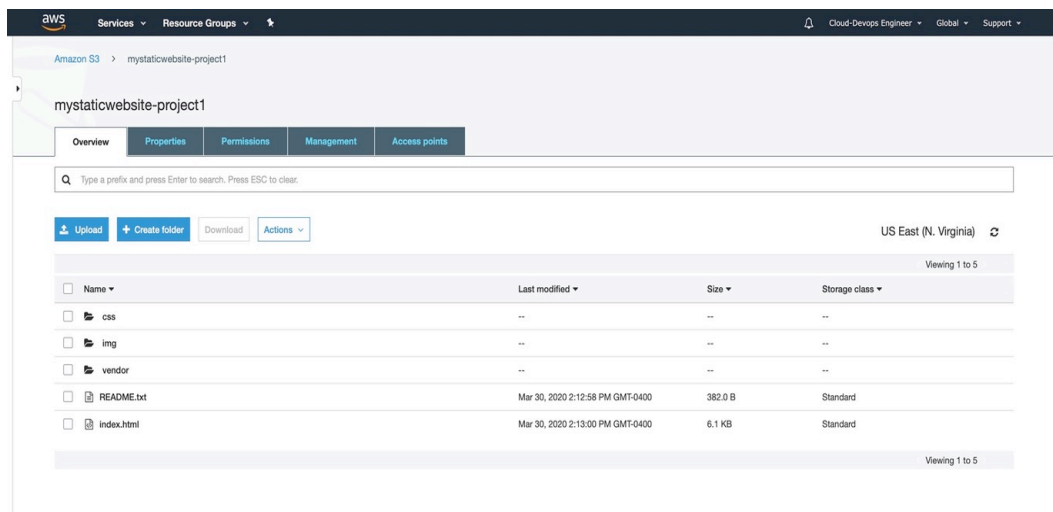
5. Added downloaded files on desktop to S3 bucket.



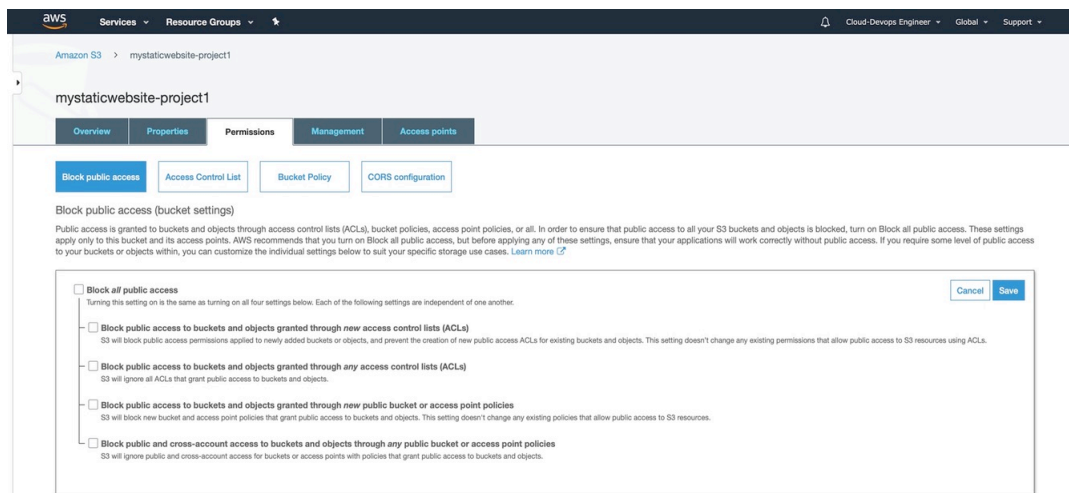
6. Files loading.



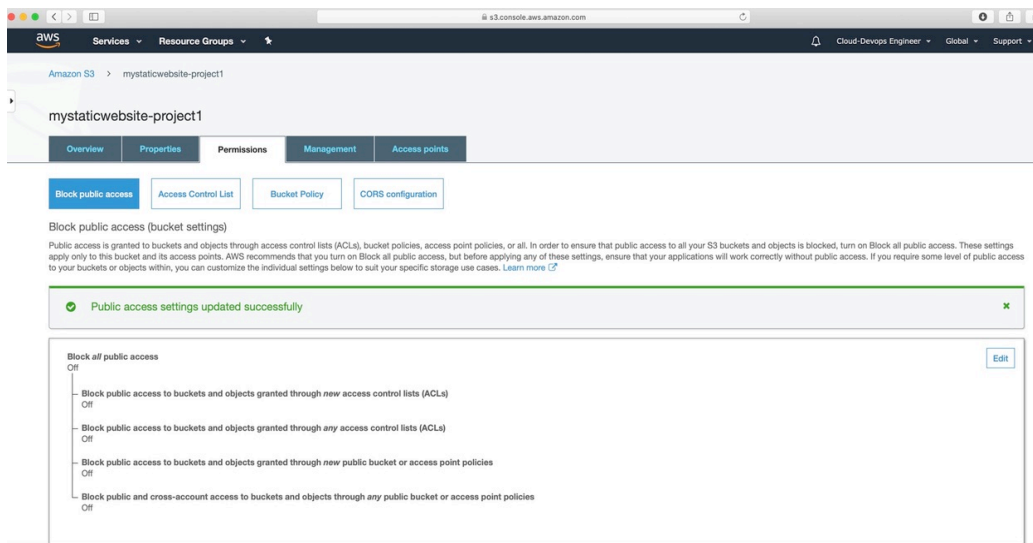
7. Files fully loaded.



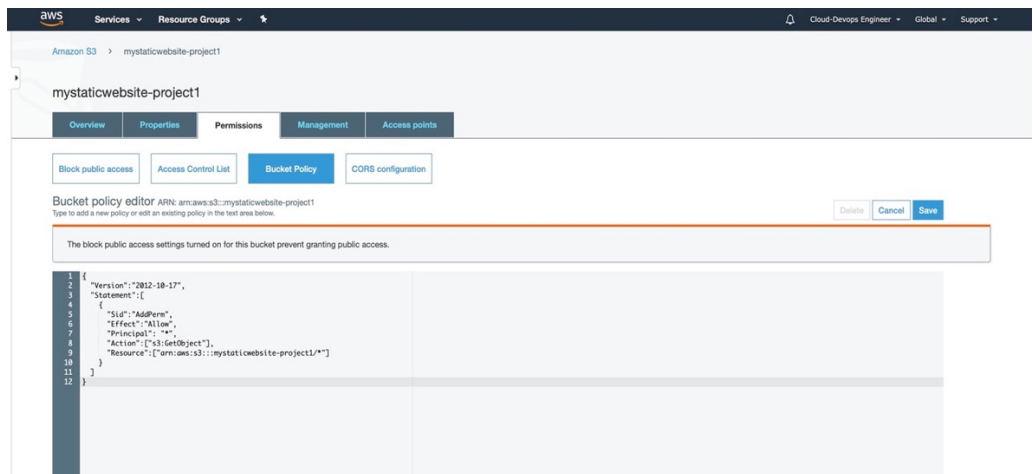
8. Clicked on “Permissions” tab.



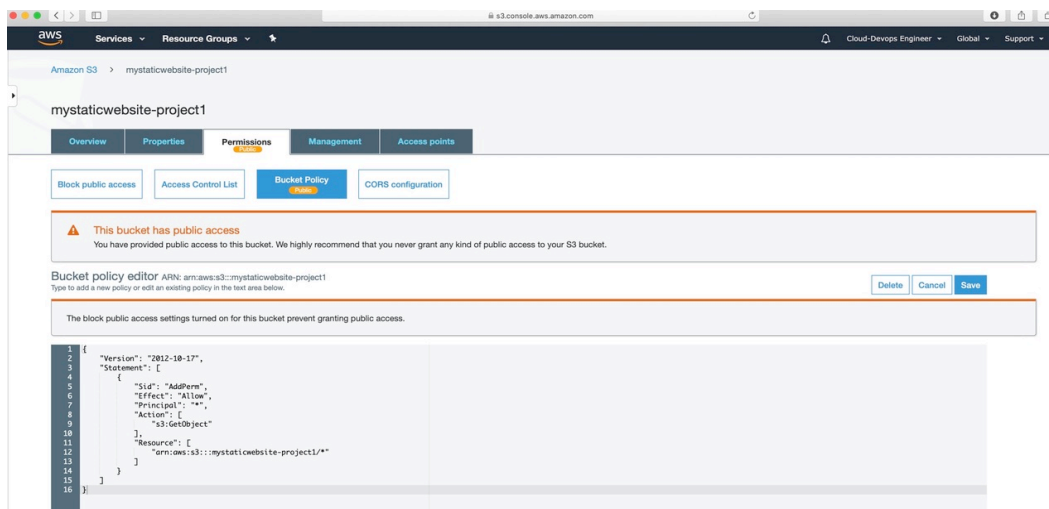
9. Edited Block public access settings.



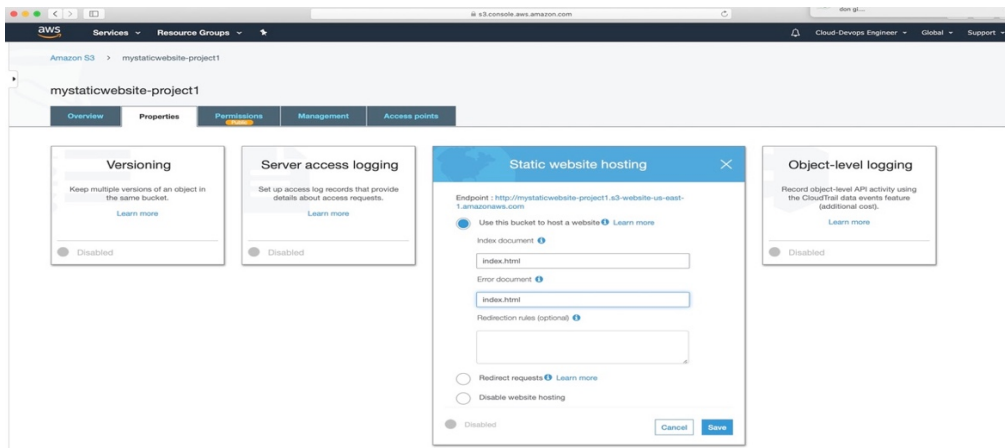
10. Added IAM bucket policy.



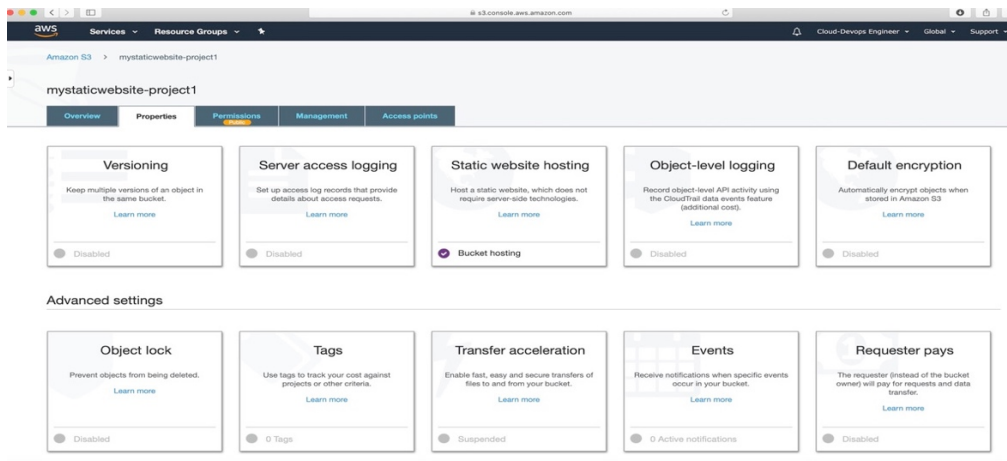
11. S3 Bucket policy made public.



12. Enabled static website hosting and set index document and error document to index.html.

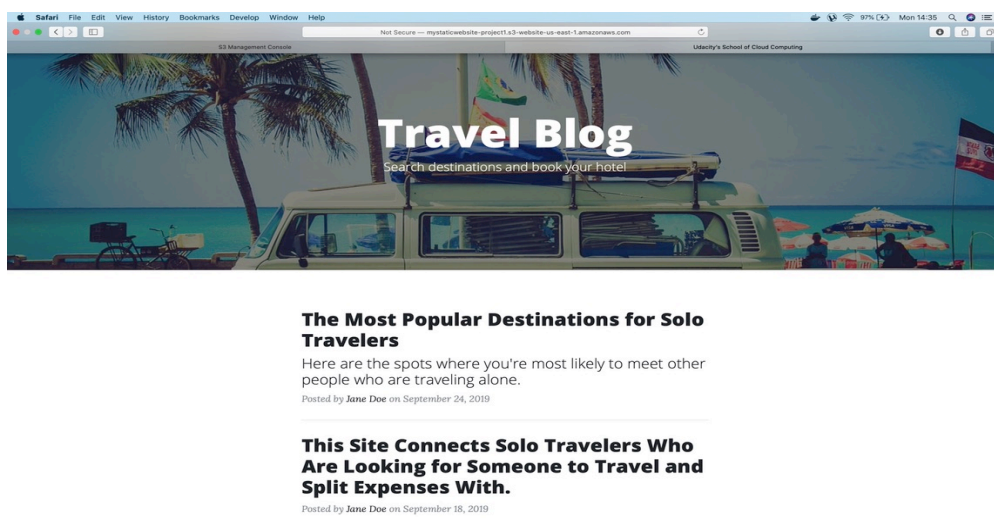


13. Static website hosting completed.

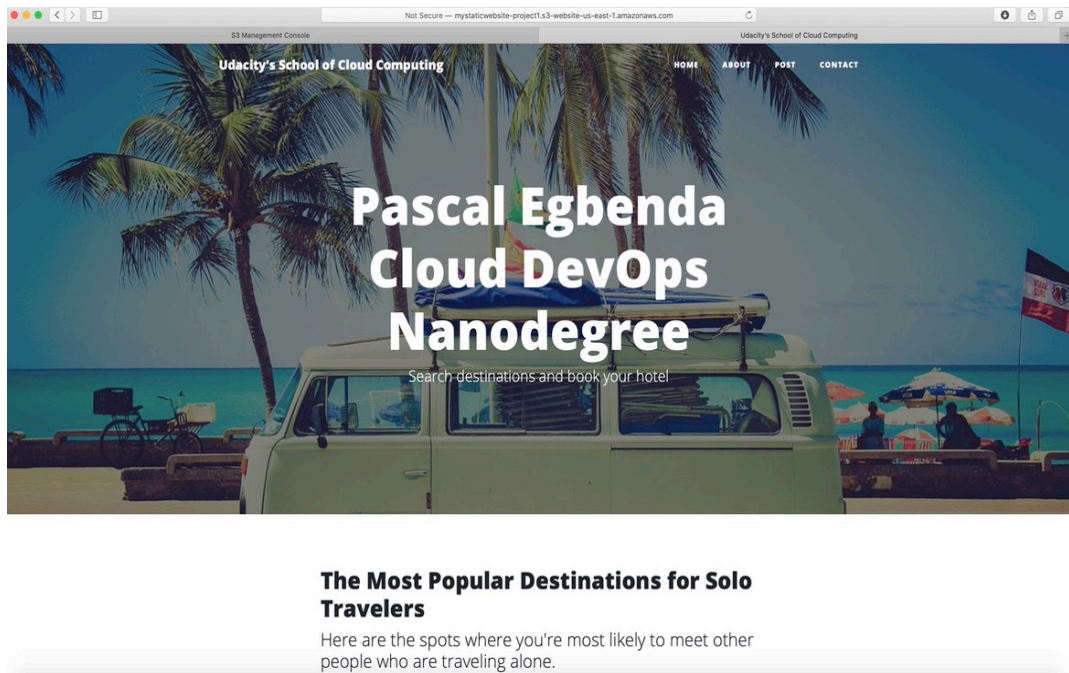


14. Endpoint.

<http://mystaticwebsite-project1.s3-website-us-east-1.amazonaws.com>

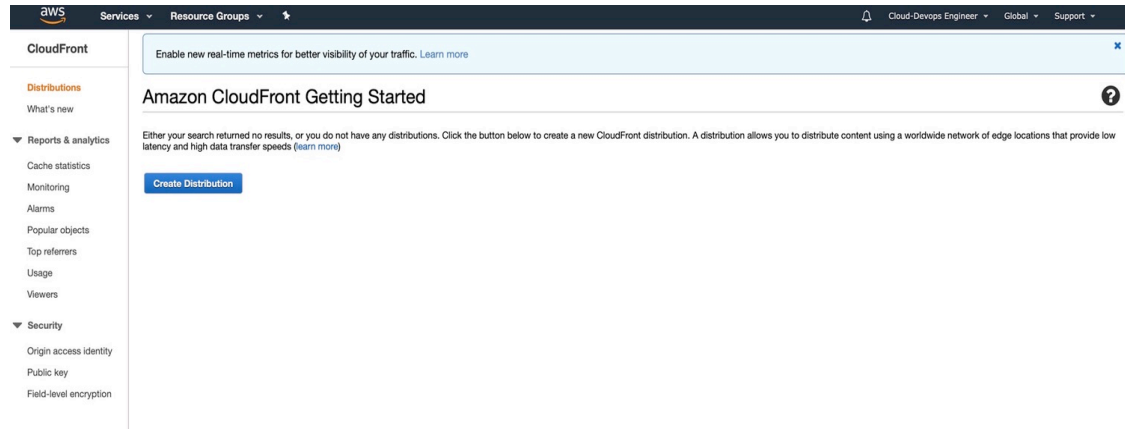


15. Making changes to the index.html file and replacing “Travel blog” to “Pascal Egbenda, Cloud DevOps Nanodegree” and uploading back to S3 yielded:

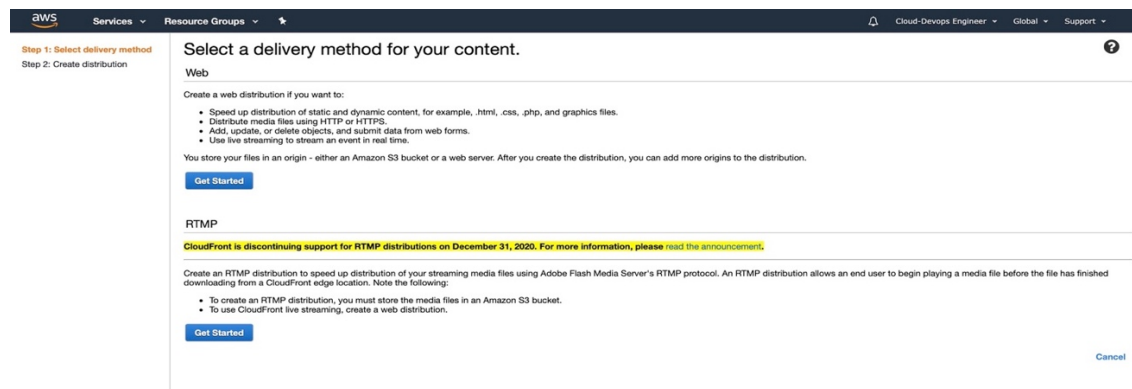


Distributing Website via CloudFront

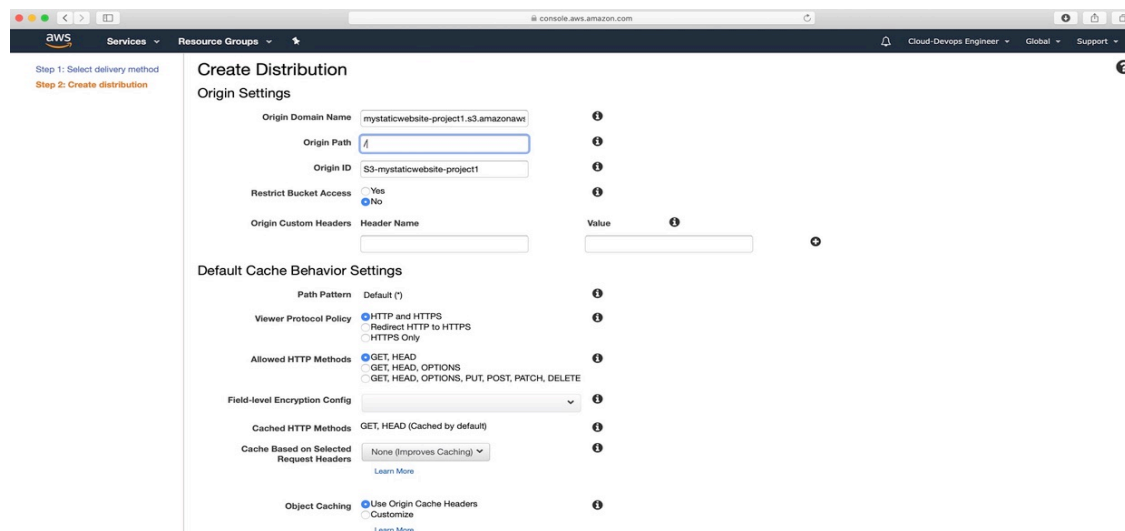
1. Clicked on “Services” and accessed CloudFront



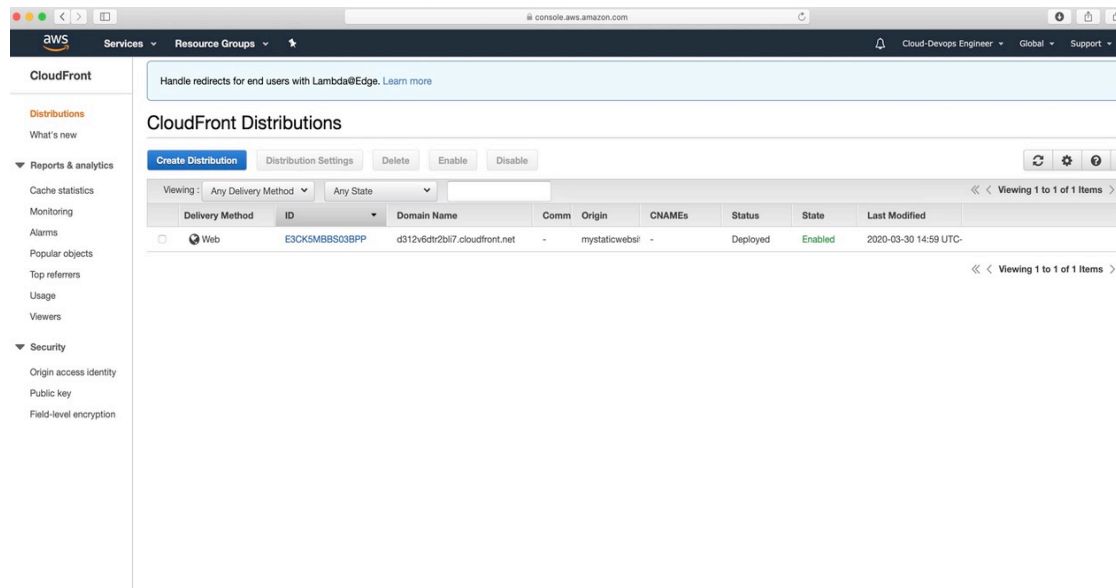
2. Clicked on “Created distribution” and under “web” clicked on Get Started



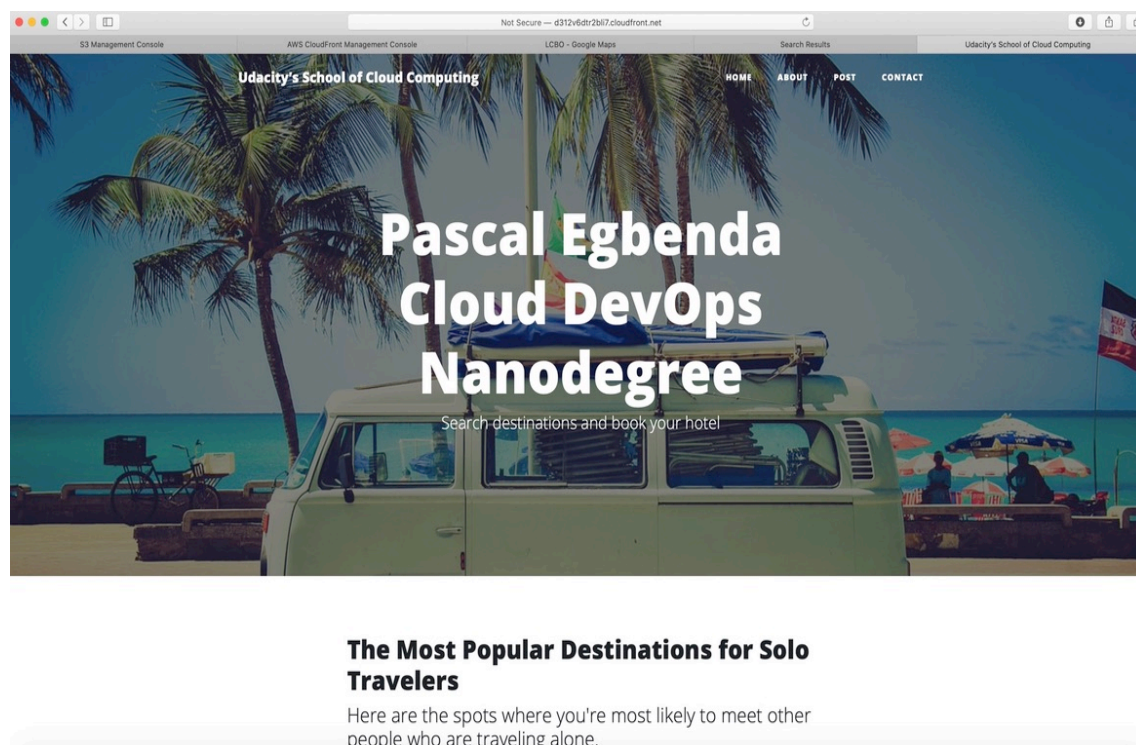
3. Under Create Distribution, and Origin Domain name, I selected “mystaticwebsite-project1.s3.amazonaws.com” and set Origin path to “/”.



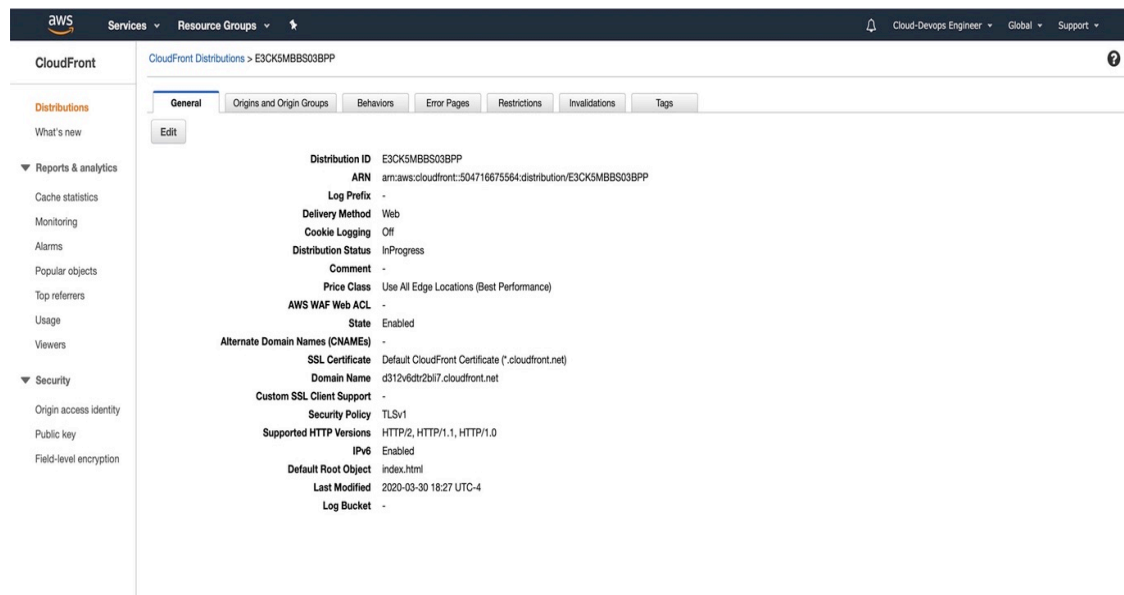
4. Created the CloudFront distribution and waited until it is deployed.



5. Clicked on the CloudFront Domain name endpoint “d312v6dtr2bli7.cloudfront.net” and added /index.html (<http://d312v6dtr2bli7.cloudfront.net/index.html>) to the domain name and got:



6. Added index.html as default root object



7. I entered the domain name `d312v6dtr2bli7.cloudfront.net` in URL and I got <http://d312v6dtr2bli7.cloudfront.net>

