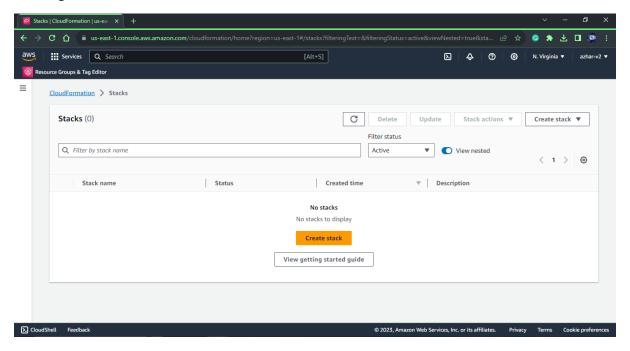
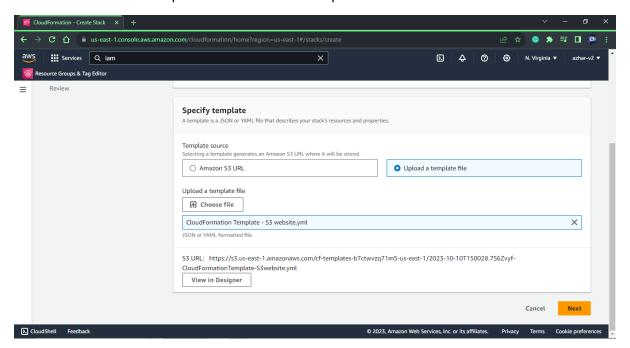
Nebula Technical Challenge

- Created index.html file for the webpage using HTML, CSS, and JavaScript
- CloudFormation template has been created using YAML, will be used to create a CloudFormation stack

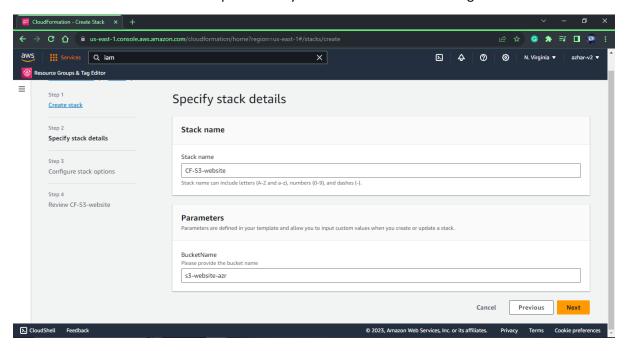
Creating stack:



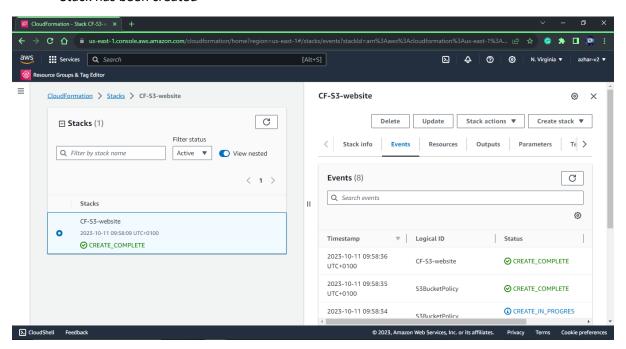
YAML file will be uploaded and used as a template



• Parameters within the template allow you to name the bucket during stack creation

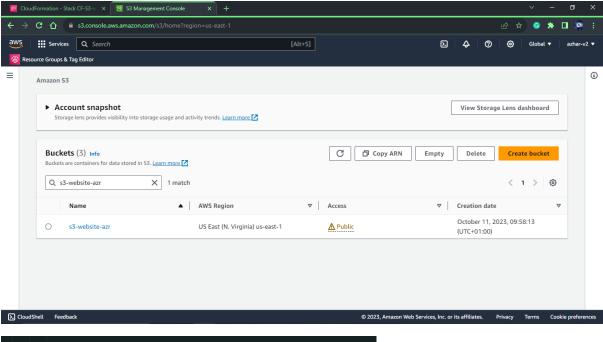


• Stack has been created



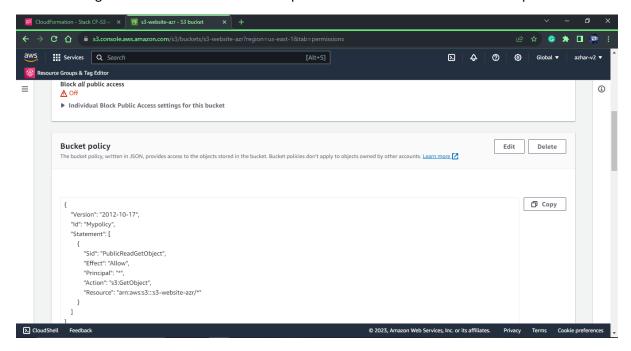
S3 Bucket:

- S3 bucket is created
- Public access has been enabled from the YAML template by disabling 'block public access' settings and then by adding a 'GetObject' bucket policy.



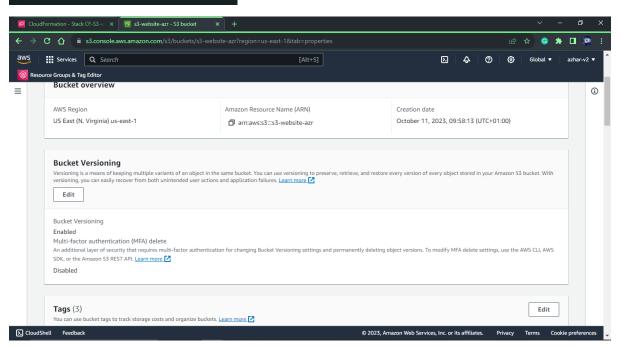
PublicAccessBlockConfiguration:
BlockPublicAcls: false
BlockPublicPolicy: false
IgnorePublicAcls: false
RestrictPublicBuckets: false

Configurations made in the YAML template have reflected to the S3 bucket upon creation

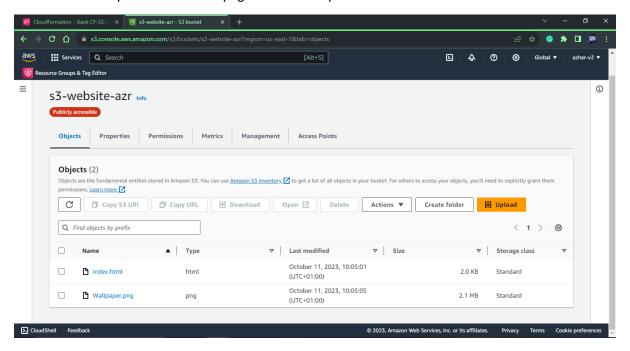


· Versioning has also been enabled

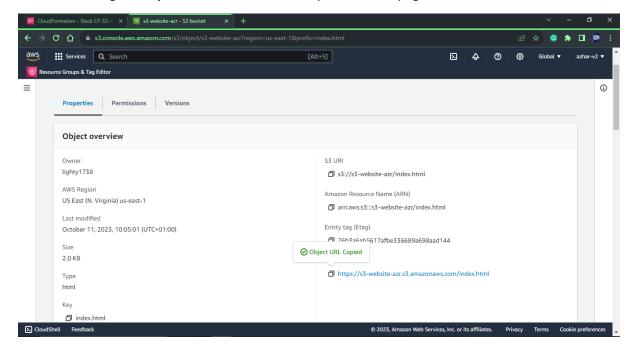
VersioningConfiguration: Status: Enabled

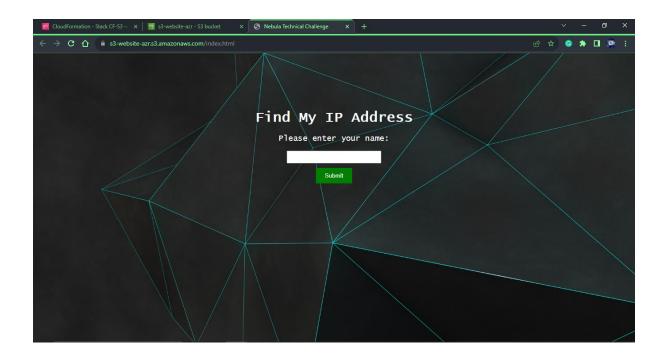


Necessary files for the webpage have been uploaded into the created S3 bucket

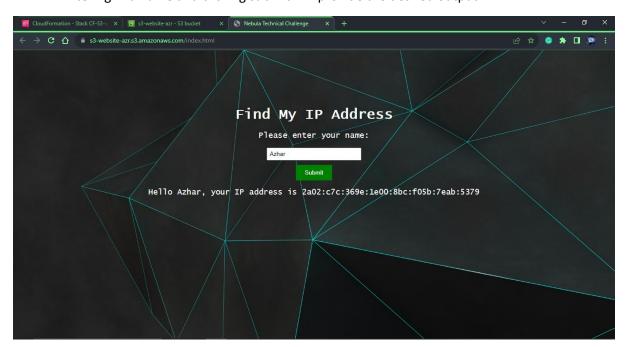


• Entering the object URL of the HTML file opens the webpage



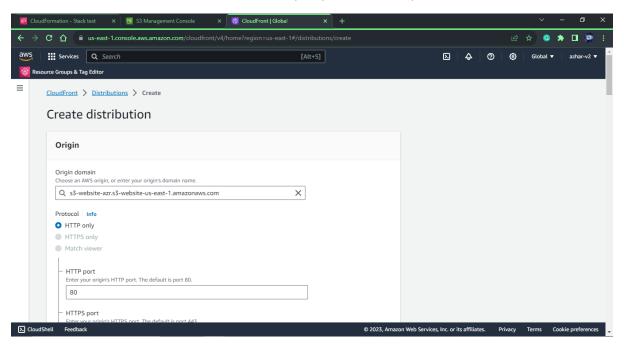


• Entering in a name and clicking submit will provide the desired output

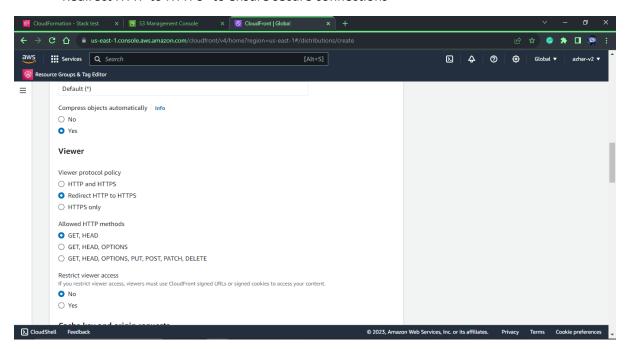


Enabling CloudFront:

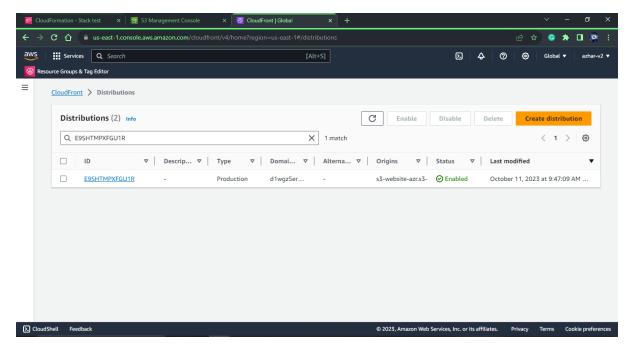
• Can use CloudFront as an additional step to provide better performance for the website



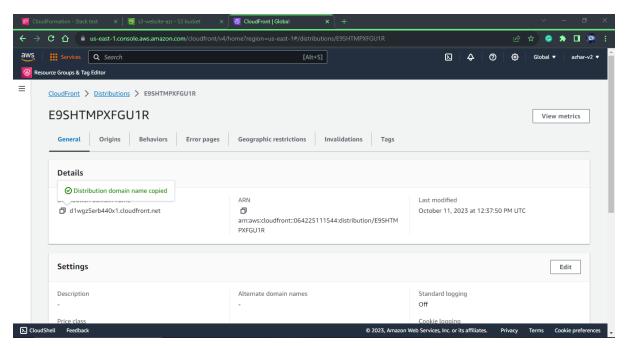
Redirect HTTP to HTTPS" to ensure secure connections



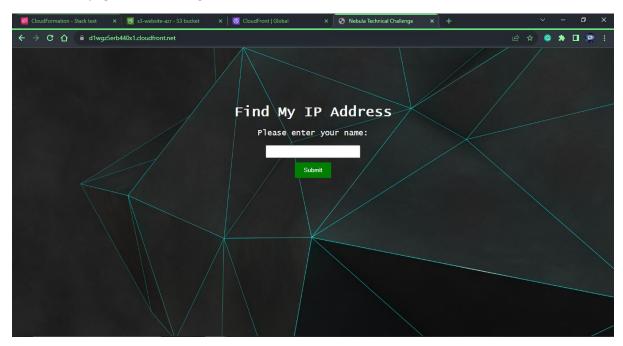
 CloudFront distribution has been deployed, will provide reduced latency by delivering content from edge locations



 Using the distributed domain name with CloudFront will allow the user to access the S3 content



• Webpage served through CloudFront



• The output is as expected

