

Hosting a CV on Amazon S3: Project Report

Objective: To host my CV on Amazon S3 and provide a public URL for access as part of my application for a Cloud Engineer/Cloud Practitioner role.

Steps Taken:

1. Set Up AWS Account:

- I began by logging into my AWS Management Console. If I didn't have an account, I would need to create one, which involves providing personal details and payment information.

2. Create an S3 Bucket:

- I navigated to the S3 service within the AWS Management Console.
- I clicked on "Create bucket" and provided a unique name for the bucket (e.g., **boateng-bucket**). The bucket name must be globally unique.
- I selected the appropriate region close to my geographical location for optimal performance.
- For simplicity, I left the other settings at their defaults, though advanced settings like versioning or logging could be configured if needed.

3. Upload CV to S3 Bucket:

- Once the bucket was created, I clicked on "Upload" and selected my CV file from my local machine. The file was in html format to ensure it was easily accessible and viewable on any device.
- I confirmed the upload settings and clicked "Upload" to complete the process. The file was now stored in my S3 bucket.

4. Set Permissions for Public Access:

- I navigated to the "Permissions" tab of the bucket and adjusted the Bucket Policy to allow public read access to the CV file. This was achieved by adding a policy

Generate the Public URL:

- After configuring the permissions, I accessed the "Object URL" from the S3 bucket's console. This URL provides direct access to my CV. The URL typically follows the pattern:

<https://boateng-bucket.s3.us-west-2.amazonaws.com/cv.html>

I tested the URL in various browsers to ensure that the CV was accessible publicly and could be viewed without authentication.

Challenges Encountered:

1. Permissions Configuration:

- Initially, I faced issues with setting the correct permissions for the S3 bucket and object. The bucket policy must be correctly set to allow public read access while maintaining security for other bucket contents.
2. **URL Access Issues:**
- There were occasional delays in the URL becoming accessible after uploading the CV. This might be due to propagation time in S3 or caching issues.
3. **Bucket Naming Conventions:**
- AWS requires bucket names to be globally unique, which necessitated some creativity in naming. This was resolved by choosing a distinctive bucket name related to my CV.

Conclusion:

Hosting a CV on Amazon S3 is a straightforward process that involves creating a bucket, uploading the CV, configuring permissions, and generating a public URL. Despite some initial challenges with permissions and naming, the process was completed successfully, and the public URL provided serves as a reliable means for accessing my CV. This exercise not only demonstrated my familiarity with AWS services but also showcased my ability to handle real-world cloud computing tasks effectively.