S3-Bucket

A screenshot of a computer

Description automatically generated

Bucket Policy

A screenshot of a computer

Description automatically generated

Static Website on S3 Bucket

A screen shot of a computer

Description automatically generated

EC2 Instance

A screenshot of a computer

Description automatically generated

Security Group

A screenshot of a computer

Description automatically generated

Partial Web Application

A computer screen shot of a leaf

Description automatically generated

CORS Property

A screenshot of a computer

Description automatically generated

Complete Web Application

A screen shot of a computer

Description automatically generated

**Challenges Faced**

* In the bucket policy, I forgot to write /\* in end of my resource and figured it out from the course content.
* While accessing EC2 in ssh, in index.html, I faced an issue to connect with the image in s3.

**Questions and Answers**

1. Assume you have 5 S3 buckets hosting static website and one EC2 instance hosting static website in your AWS environment. Which buckets would need to have CORS policies defined?

* I’d have to describe CORS policies for all the S3 buckets as all the buckets have to accept the request from ec2 to have the website load up on the instance.

1. Discuss the operational, security and cost advantages and disadvantages of hosting static web application on EC2 compared to static S3 bucket. Which one was easier to implement and would be easier to maintain?

* The power and flexibility that come with hosting a static web application on EC2 enable horizontal scalability and change. However, this also implies that there will be greater operational complexity, manual administration labour, potential downtime, and expenses—especially for smaller websites. On the other hand, S3 buckets are easier to set up and maintain since they are less complicated, less expensive, and have autonomous maintenance. They do, however, provide less customization and scalability options. Which of EC2 and S3 to select will depend on the particular requirements of the web application, which balance control and flexibility against cost and convenience of usage.