

ASSIGNMENT No. – 3

Aim: To build your application using AWS CodeBuild and Deploy on S3/SEBS using AWS CodePipeline.

LO Mapped: LO1, LO2

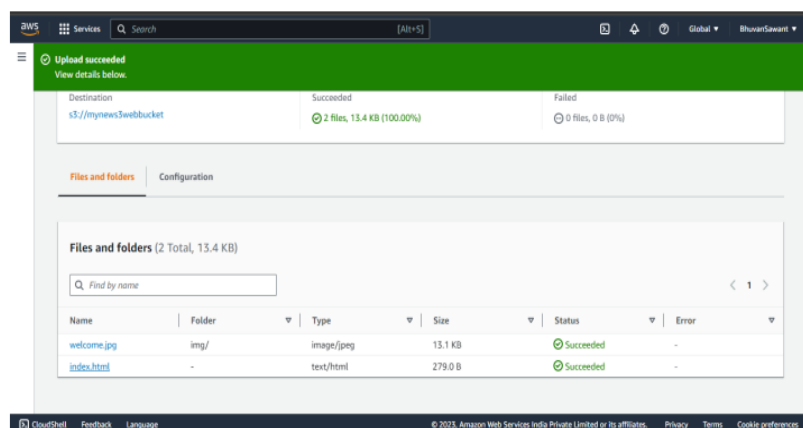
Theory:

Amazon Simple Storage Service (Amazon S3) is an object storage service offering industry-leading scalability, data availability, security, and performance. Customers of all sizes and industries can store and protect any amount of data for virtually any use case, such as data lakes, cloud-native applications, and mobile apps. With cost-effective storage classes and easy-to-use management features, you can optimize costs, organize data, and configure fine-tuned access controls to meet specific business, organizational, and compliance requirements.

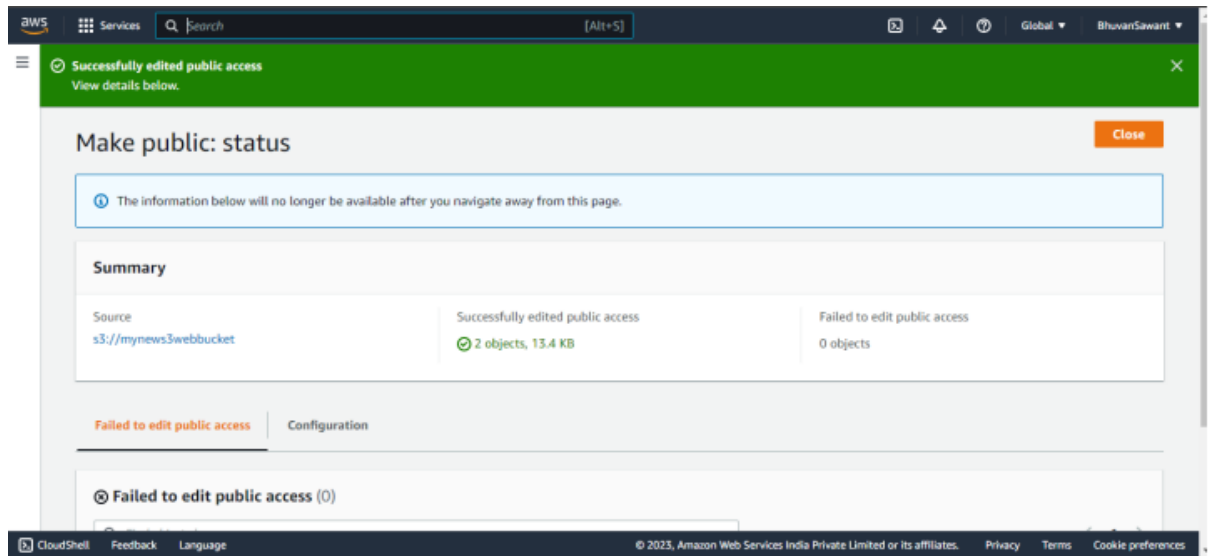
Some of the benefits of AWS S3 are:

- **Durability:** S3 provides 99.99999999 percent durability.
- **Low cost:** S3 lets you store data in a range of "storage classes." These classes are based on the frequency and immediacy you require in accessing files.
- **Scalability:** S3 charges you only for what resources you actually use, and there are no hidden fees or overage charges. You can scale your storage resources to easily meet your organization's ever-changing demands.
- **Availability:** S3 offers 99.99 percent availability of objects
- **Security:** S3 offers an impressive range of access management tools and encryption features that provide top-notch security.
- **Flexibility:** S3 is ideal for a wide range of uses like data storage, data backup, software delivery, data archiving, disaster recovery, website hosting, mobile applications, IoT devices, and much more.
- **Simple data transfer:** You don't have to be an IT genius to execute data transfers on S3. The service revolves around simplicity and ease of use.

First login to your AWS account.



Then create a new S3 bucket.



After that host a static web page using the S3 bucket.



Website for AWS

Conclusion: In this assignment we learnt about AWS S3 bucket and hosted a static web page using the S3 bucket.