A Cloud Computing Project on Static Website Hosting Using Amazon S3

Abstract:

This project focuses on hosting a static website using **Amazon S3**, a cloud storage service provided by **AWS**, as part of the **Cloud Computing** course. It demonstrates how to upload and manage website files in an S3 bucket, enable static website hosting, and configure permissions for public access. The project highlights the ease, cost-effectiveness, and scalability of using cloud-based solutions for deploying static websites without the need for server infrastructure.

Introduction:

This project, developed for the Cloud Computing course, demonstrates how to host a static website using Amazon S3 on AWS. It involves uploading HTML, CSS, and JavaScript files to an S3 bucket, enabling static website hosting, and configuring access permissions to make the site publicly available. The project showcases the simplicity and effectiveness of using cloud services for web hosting without the need for a traditional server**.**

Overview:

This project provides a simple and practical overview of hosting a static website using **AWS S3**. It covers the basic steps such as creating an S3 bucket, uploading website files, enabling static website hosting, and setting permissions for public access. The project shows how cloud services can be used to easily deploy and manage static websites with high availability and minimal cost.

Key Aspects:

1.*Amazon S3*

2.*Static Website Hosting*

3.*S3 Bucket*

4.*Bucket Policy*

5. *Public Access Configuration*

6. *Serverless Architecture*

7.*Cost-Effectiveness*

8. *High Availability*

Conclusion:

This project demonstrates a simple, cost-effective way to host static websites using AWS S3.