Project Report

on

"Hosting a Static Website on AWS S3 "

Project Overview:

Project Name: Static Website Hosting on AWS S3

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Project Duration: 22-11-23 to 24-11-2

Executive Summary:

The objective of this project is to host a simple static website on AWS S3 (Simple Storage Service) and configure a custom domain using AWS Route 53. This involves creating an S3 bucket, uploading HTML and CSS files, configuring the bucket for static website hosting, setting up a bucket policy for public access, and linking a custom domain through Route 53.

The project encompasses the following key tasks:

S3 Bucket Creation:

Creation of a new S3 bucket to store the static website files.

Selection of a unique bucket name and configuration of the desired region.

HTML/CSS Webpage Development:

Design and creation of a simple HTML webpage (index.html).

Design and creation of a CSS stylesheet (styles.css).

Organizing files within a designated folder for easy upload.

File Upload to S3:

Uploading of HTML and CSS files to the S3 bucket.

Bucket Configuration for Website Hosting:

Configuration of the S3 bucket for static website hosting.

Specification of the index document (index.html).

Bucket Policy Setup:

Definition of a bucket policy allowing public read access to the hosted content.

Testing and Validation:

Verification of DNS propagation.

Testing the accessibility of the static website through the custom domain.

Project Deliverables:

The project will deliver the following outcomes:

A functional static website hosted on AWS S3.

Documentation and report detailing the project steps and configurations.

Project Timeline:

The project will be executed in the following phases:

Planning and Setup:

Define project scope and objectives.

Set up AWS accounts and access permissions.

Plan S3 bucket configuration and custom domain choice.

Implementation:

Create the S3 bucket and configure for website hosting.

Develop the simple HTML/CSS webpage.

Upload files to the S3 bucket.

Configure the S3 bucket policy.

Conclusion:

This project aims to demonstrate the process of hosting a static website on AWS S3. By following the outlined steps, i expects to achieve a seamlessly hosted website with a custom domain accessible to users.

Acknowledgments:

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