**Hosting a Static Website on AWS S3**

Welcome to the quick guide on how to host a static website on AWS S3 (Simple Storage Service). This README provides a summary of the steps in Hosting a Static Website

**🚀 Introduction**

If you need to host a static website inexpensively, AWS S3 offers an easy, fast, and cost-effective solution. With AWS S3, you only pay for the storage you use, and you can even get up to 5GB of storage free of charge for a year within the AWS Free Tier.

**📜 Step-by-Step Guide**

Follow these steps to host your static website on AWS S3:

1. **Access AWS Console**

Go to your AWS console and search for "S3" in the search bar, then select "S3" when it appears.

1. **Create a Bucket**
   * Click on "Create bucket."
   * Provide a unique "Bucket name" for your website.
2. **Configure Bucket Settings**
   * Unselect "Block all public access" to allow internet users to access your website.
   * Click on "Create bucket" at the bottom.
3. **Select Your Bucket**

Once created, select your bucket from the list.

1. **Configure Static Web Hosting**
   * Under the "Properties" tab, scroll down to "Static web hosting" and click on "Edit."
   * Click on "Enable" and select "Host a static website." Choose the default home page (index document) for your site.
2. **Set Up Error Handling (Optional)**
   * Enter the names of the index document and error document (if needed), then click "Save changes."
3. **Endpoint Creation**

When "Static website hosting" is enabled, the bucket endpoint is created.

1. **Bucket Policy for File Access**
   * Create a bucket policy to enable access to the files.
   * Navigate to the "Permissions" tab and under the "Bucket policy" section, enter the provided policy, ensuring to change the Resource to your bucket's ARN followed by "/\*".
2. **Upload Your Website**

Create and upload your website files, including the "index.html" file as specified in step 8.

1. **Final Configuration**
   * Navigate to the "Properties" tab and load the bucket's endpoint. The "index.html" file will serve as the home page.
   * In case of an error (e.g., the index file is not available), the "error.html" page will be returned at the endpoint.

**📃 Sample Website Pages**

The article includes sample website pages for your reference:

* **index.html**: A basic static web page with AWS S3-themed content.
* **error.html**: A custom error page (404) for handling missing files.

**🎉 Conclusion**

With these steps, you can easily host your static website on AWS S3, benefiting from its simplicity, speed, and cost-effectiveness. Have fun hosting your website!

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