Faith Ashiono

AWS Storage

Problem Statement:

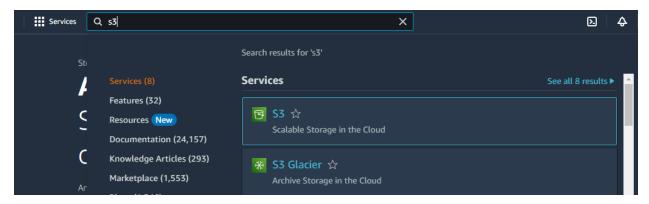
You're tasked with creating a basic storage solution using Amazon S3 to upload and download files.

Guidelines/Goals:

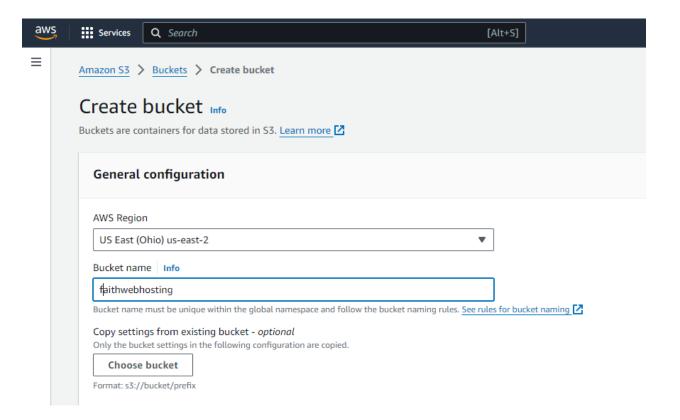
- 1. Create S3 Bucket:
- a. Create a new S3 bucket with a unique name.
- b. Choose a region and configure public access settings.

Steps

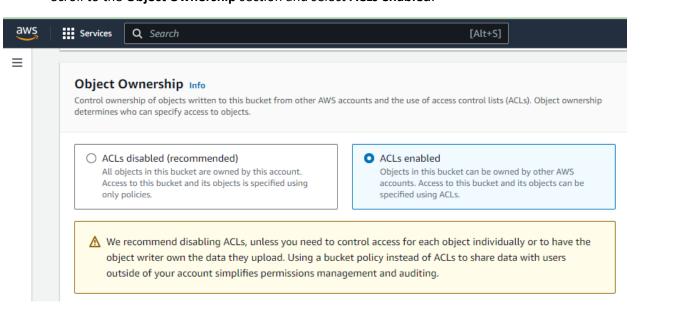
• In the management console, search for \$3



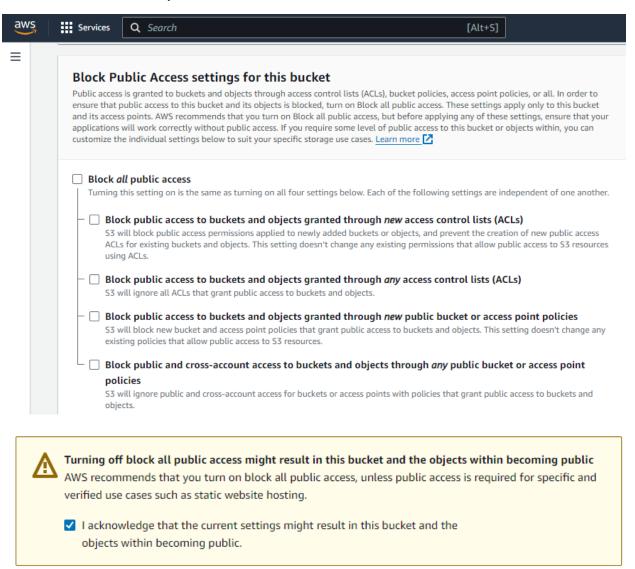
Name your s3 bucket. Ensure it has no capital letters



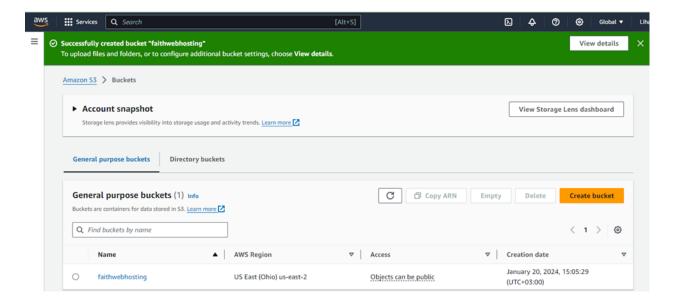
Scroll to the Object Ownership section and select ACLs enabled.



• To configure public access settings scroll to the **Block Public Access settings** for this bucket and untick the **Block all public access**



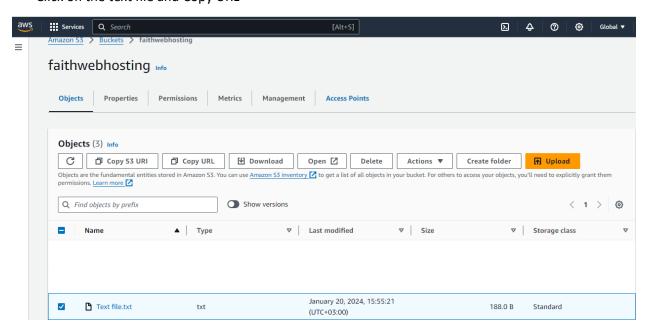
The s3 bucket will be successfully created as the screenshot below.



- 2. Upload and Download:
- a. Use the AWS Management Console to upload a text file to your S3 bucket.
- b. Set the file to be publicly accessible and note its URL.

Steps

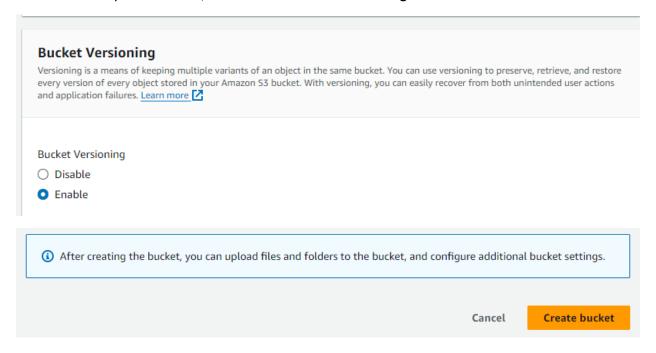
Upload the text file from your computer. Click on the text file and Copy URL



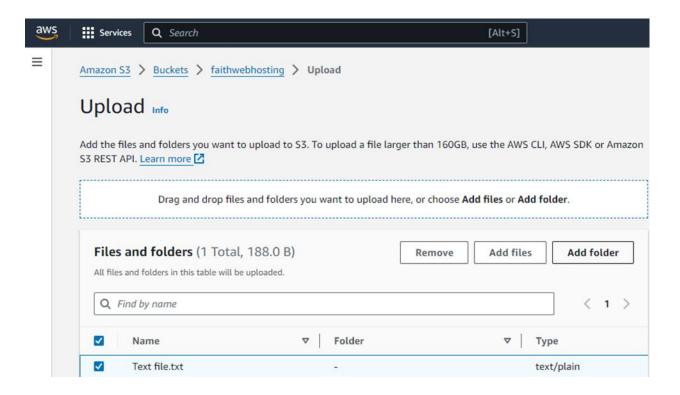
- 3. Versioning
- a. Enable versioning on your S3 bucket.
- b. Upload a new version of the text file and observe version changes.

Steps

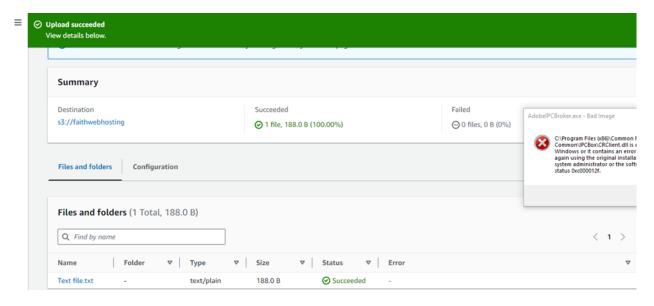
i. Click on your S3 bucket, scroll down to **Bucket Versioning** and click **enable**



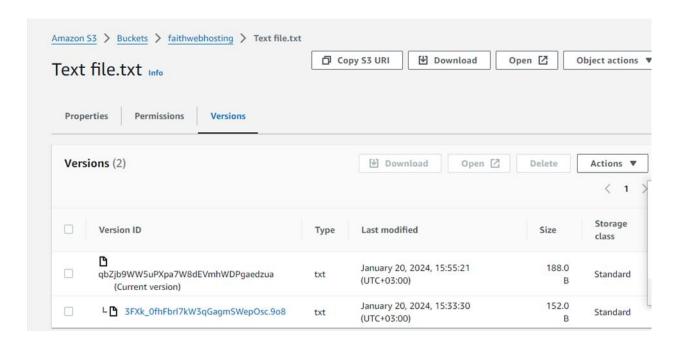
ii. Upload a text file from your browser



iii. Make a few changes on your text file on your local machine, save and upload it again to your s3 bucket.



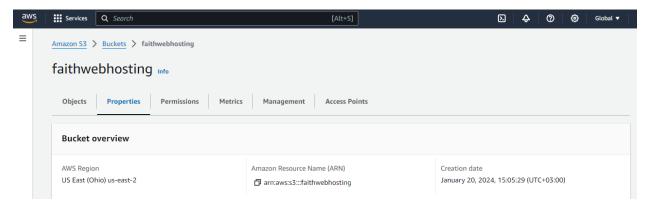
iv. Click on the uploaded text file and click on versions, you'll see two versions of the same text file.



- 4. Static Website Hosting
- a. Configure your S3 bucket for static website hosting.
- b. Upload an HTML file and test accessing it via the provided endpoint.

Steps

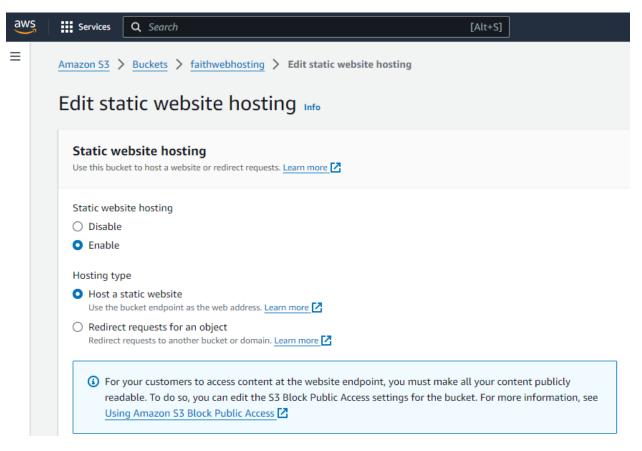
i. On your S3 bucket, click on **Properties** and scroll down to **Static website hosting.**



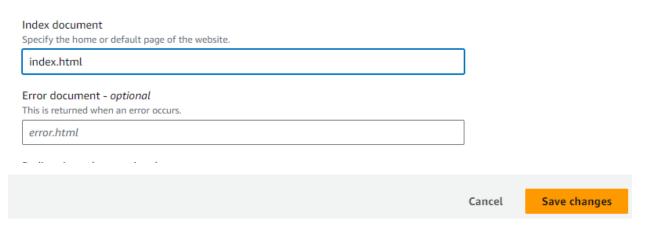
ii. Click on Edit



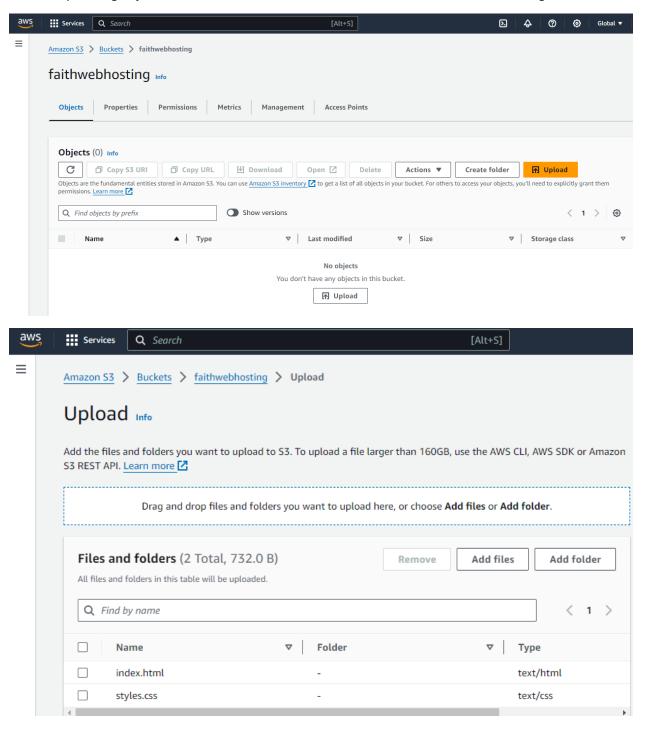
iii. Click on Enable



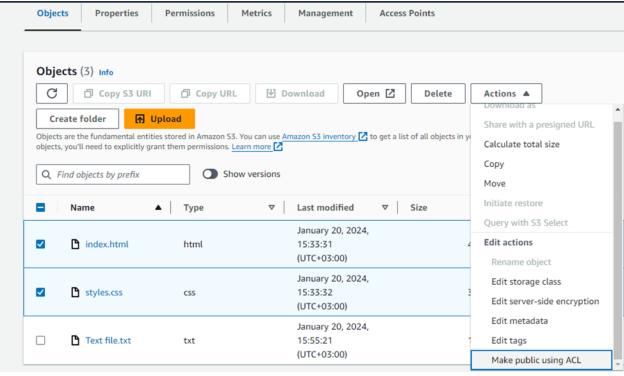
iv. Specify the name of your web file according to how it's named on the local machine and save.



v. Uploading objects/files to S3 bucket i.e. the html file and associated files including CSS

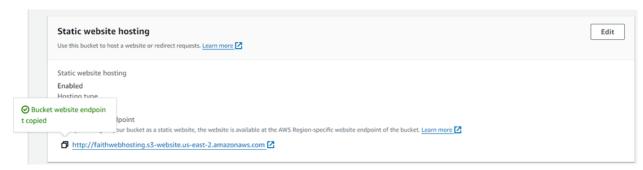


- vi. To make the files public, click on **Objects**, select the two files html and css.
- vii. Click on Actions and select Make public using ACL





Scroll down to Static website hosting and click on the URL/endpoint



Copy the URL to your browser and the static website should be visible and accessible by the public.

