

Project presentation

Presented by Anurag Verma

Deploy a Static Website in AWS

A static website consists of web pages with fixed content typically coded in HTML, CSS, and JavaScript. Unlike dynamic websites, which generate content on the server-side, static websites deliver pre-built files directly to the user's browser.



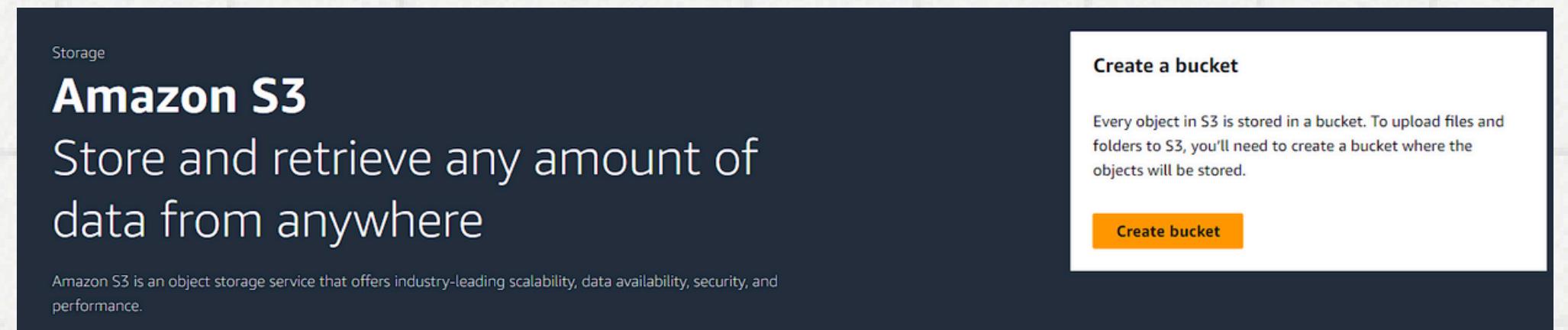
For creating a static website using AWS

You need to follow the given steps :-

STEP 1:- login to your aws account.

STEP 2:- In AWS console home page, search S3 ..

STEP 3:- Click on S3.



STEPS 4:- NOW, you can enter the bucket name

Bucket name [Info](#)

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

STEPS 5:- NOW, click on ACLs enable

Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

ACLs disabled (recommended)

All objects in this bucket are owned by this account.
Access to this bucket and its objects is specified using only policies.

ACLs enabled

Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

STEP 6:- Now, turn off all block public access service

Block all public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.

Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.



Turning off block all public access might result in this bucket and the objects within becoming public

AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

STEP 7:- Now leave all the setting default, and click on create the bucket

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket

STEP 8:- Now our bucket is created.

Buckets are containers for data stored in S3.				
<input type="text"/> Find buckets by name				
Name	AWS Region	IAM Access Analyzer	Creation date	
mybucketanurag11	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	June 20, 2024, 12:42:48 (UTC+05:30)	

STEP 9:- Click on the bucket that you have been created, here you get upload option click on that.

STEP 10:- Now, click on the add files option, here we add text document which you have been created in your notepad.

Files and folders (0)		Remove	Add files	Add folder
All files and folders in this table will be uploaded.				
Find by name		<	1	>

STEP 11:- click on upload option

Specify storage class, encryption settings, tags, and more.

Cancel

Upload

STEP 12:- NOW click on the URL link, given below properties

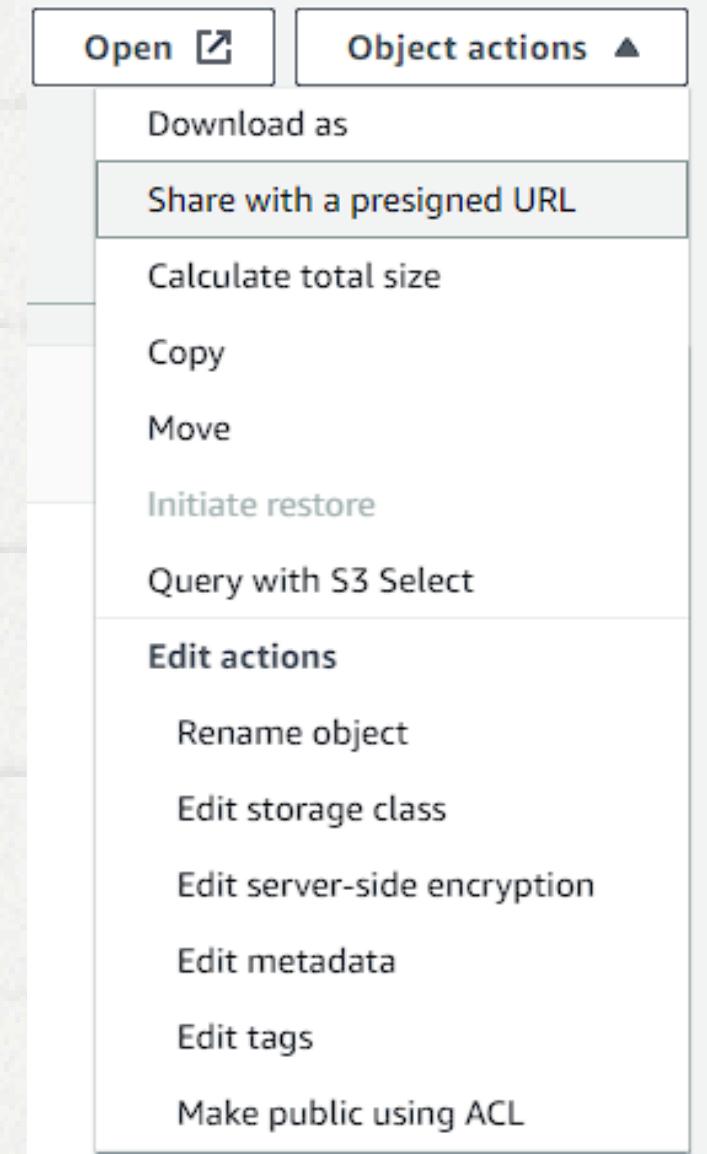
Object URL

<https://mybucketanurag11.s3.ap-south-1.amazonaws.com/index.html>

In this page you get an error

```
This XML file does not appear to have any style information associated with it. The document tree is shown below.

▼<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>TYTZD915D17FY1HJ</RequestId>
  <HostId>PMnTiqowCndazmqrWfc4PV9umpEJzo0gx6NukdNGtyaLu+bAIA/zukEvB27tQV7xTiPP3QGLLZI=</HostId>
</Error>
```

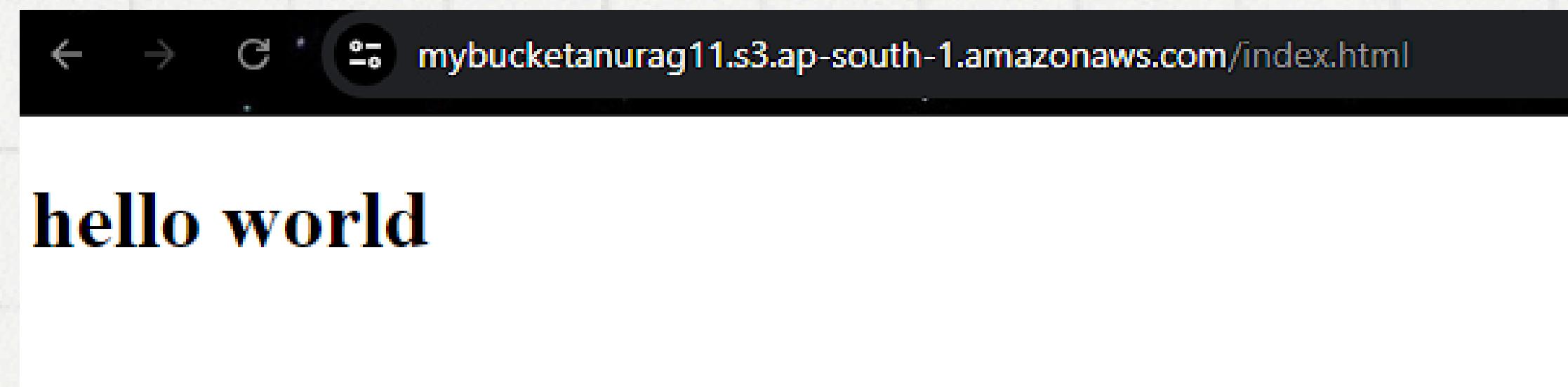


STEP 13:- Now go to your uploaded file under S3 bucket, select it then go to object actions and select make public using ACL.

STEP 14:- Now go back to your file, then go to under the properties click on URL link



STEP 15:- After opening URL link we get our final output



**Thank you
very much!**

Anurag Verma

BCA- 4A