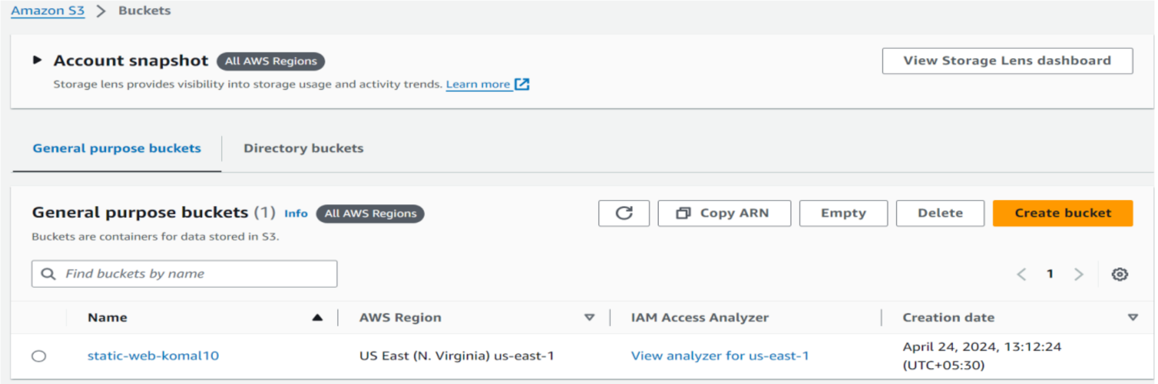
Name :- Komal Mhetre
Role :- DevOps Engineer
Task :- Configuring a static website on Amazon S3

Static website on Amazon S3

1. AWS Management Console, go to the S3 service, and create a new bucket. Bucket names must be unique globally across all AWS accounts.

2. To accept the default settings and create the bucket, choose Create.



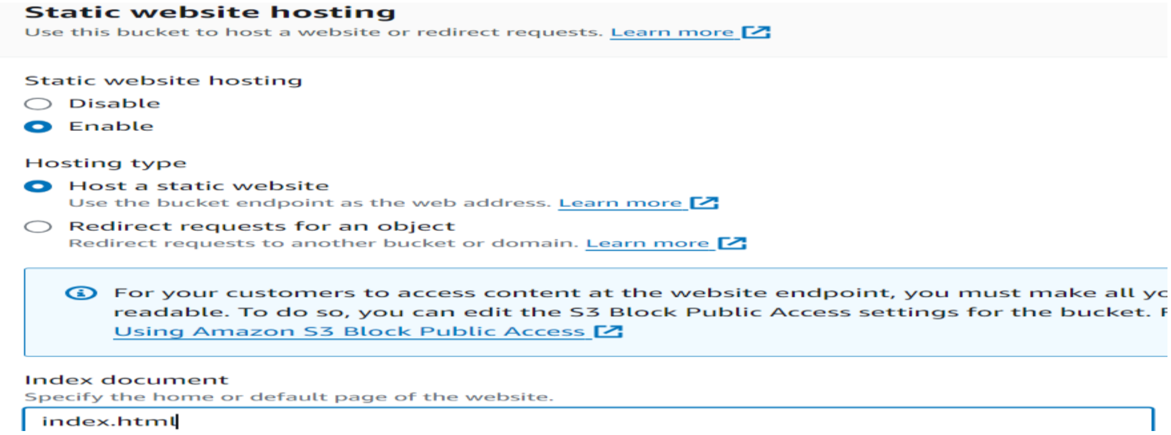
Storage lens provides visibility into storage usage and activity trends. Learn more

General purpose buckets (1)

Buckets are containers for data stored in S3.

	Name	AWS Region	IAM Access Analyzer	Creation date
○	static-web-komal10	US East (N. Virginia) us-east-1	View analyzer for us-east-1	April 24, 2024, 13:12:24 (UTC+05:30)

3. Then enable static website hosting for your bucket. use an existing bucket.
   i. Go to the Properties tab.
   ii. Find Static website hosting and click on it.
   iii. Choose Use this bucket to host a website.
   iv. Enter the index document. Like index.html
   v. Optionally, you can also specify an error document.
   vi. Click Save.



Static website hosting

Use this bucket to host a website or redirect requests. Learn more

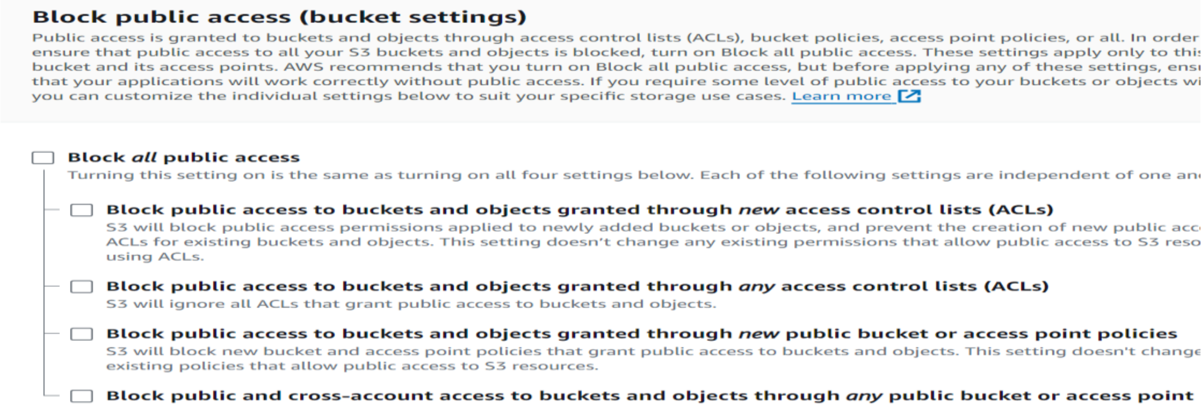
Static website hosting
○ Disable
● Enable

Hosting type
● Host a static website
Use the bucket endpoint as the web address. Learn more
○ Redirect requests for an object
Redirect requests to another bucket or domain. Learn more

For your customers to access content at the website endpoint, you must make all yo
readable. To do so, you can edit the S3 Block Public Access settings for the bucket. F
Using Amazon S3 Block Public Access

Index document
Specify the home or default page of the website.
index.html

4. Amazon S3 blocks public access to your account and buckets. If you want to use a bucket to host a static website, you can use these steps to edit your block public access settings.
   i. Choose Permissions.
   ii. Under Block public access bucket settings, choose Edit.
   iii. Clear Block all public access, and choose Save changes.

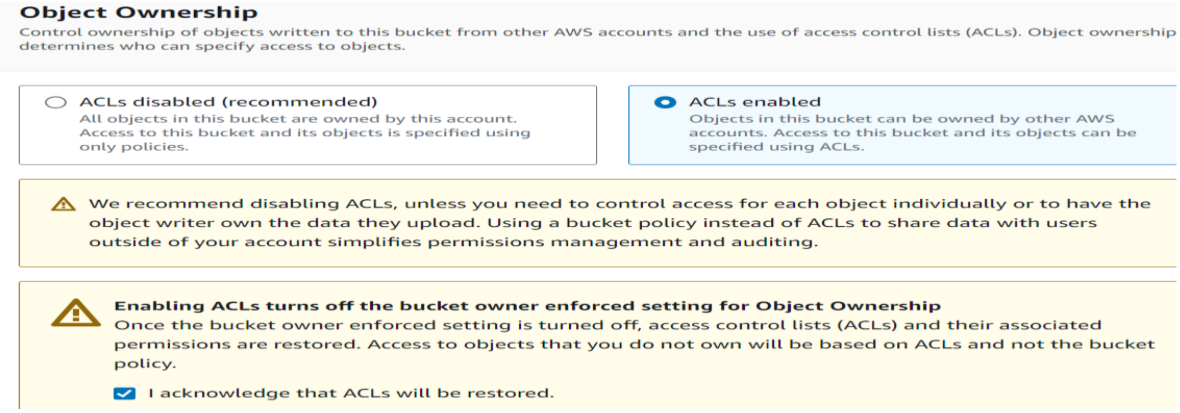


Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to thi bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ens that your applications will work correctly without public access. If you require some level of public access to your buckets or objects wi you can customize the individual settings below to suit your specific storage use cases. Learn more

☐ **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 an

- ☐ **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 acc ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 reso 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 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**



Object Ownership

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.

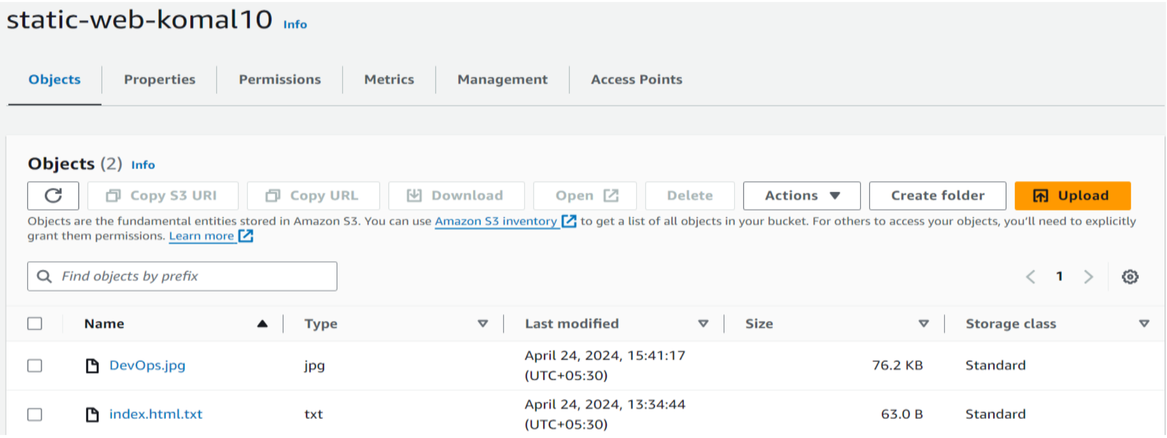
● ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

⚠ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.

⚠ **Enabling ACLs turns off the bucket owner enforced setting for Object Ownership**
Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

☑ I acknowledge that ACLs will be restored.

5. Then upload the files and folders. Click "Upload".
   Add your website files to the bucket. Make sure your main page is named as you specified for the index document



static-web-komal10 Info

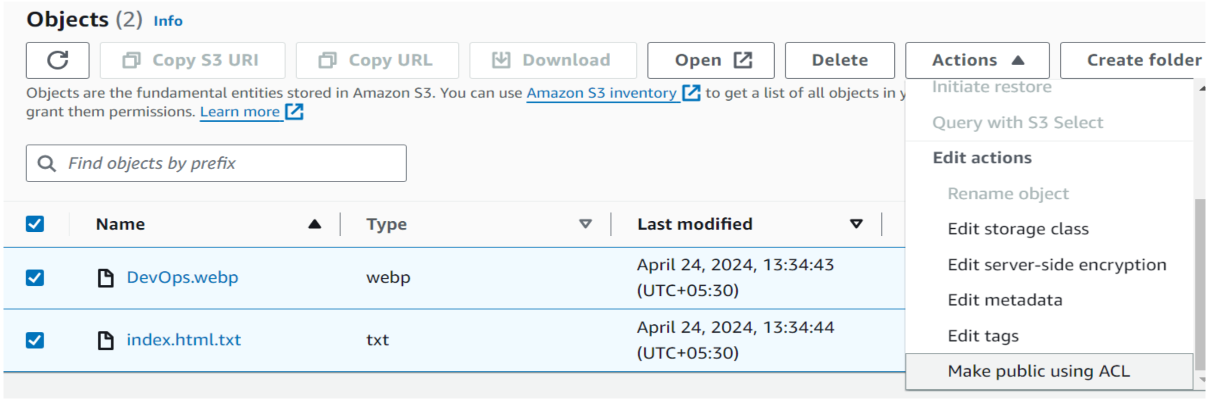
Objects (2) Info

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more

Find objects by prefix

☐	Name ▲	Type	Last modified	Size	Storage class
☐	DevOps.jpg	jpg	April 24, 2024, 15:41:17 (UTC+05:30)	76.2 KB	Standard
☐	index.html.txt	txt	April 24, 2024, 13:34:44 (UTC+05:30)	63.0 B	Standard

6. Afte uploading the files make sure your files are set to public select them, click "Actions", then "Make Public".



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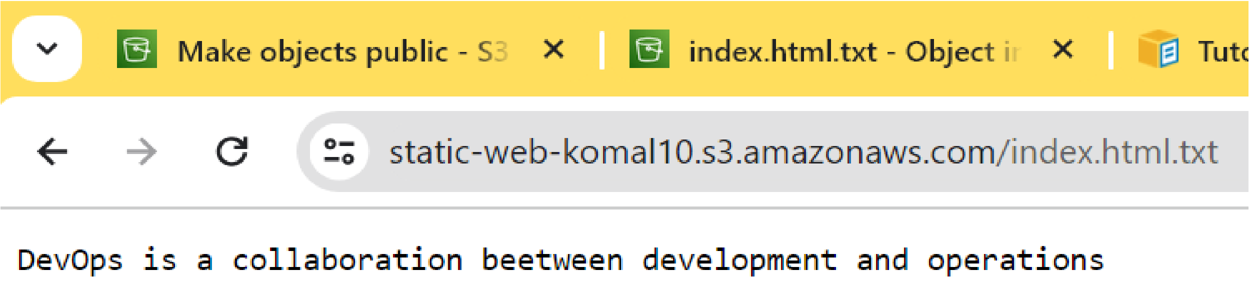
☑	Name ▲	Type	Last modified
☑	DevOps.webp	webp	April 24, 2024, 13:34:43 (UTC+05:30)
☑	index.html.txt	txt	April 24, 2024, 13:34:44 (UTC+05:30)

7. You can find the endpoint URL in the 'Static website hosting' section. Copy that URL and paste it into your browser to view the output.


Make objects public - S3
index.html.txt - Object in
Tuto
static-web-komal10.s3.amazonaws.com/index.html.txt

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DevOps is a collaboration beetween development and operations
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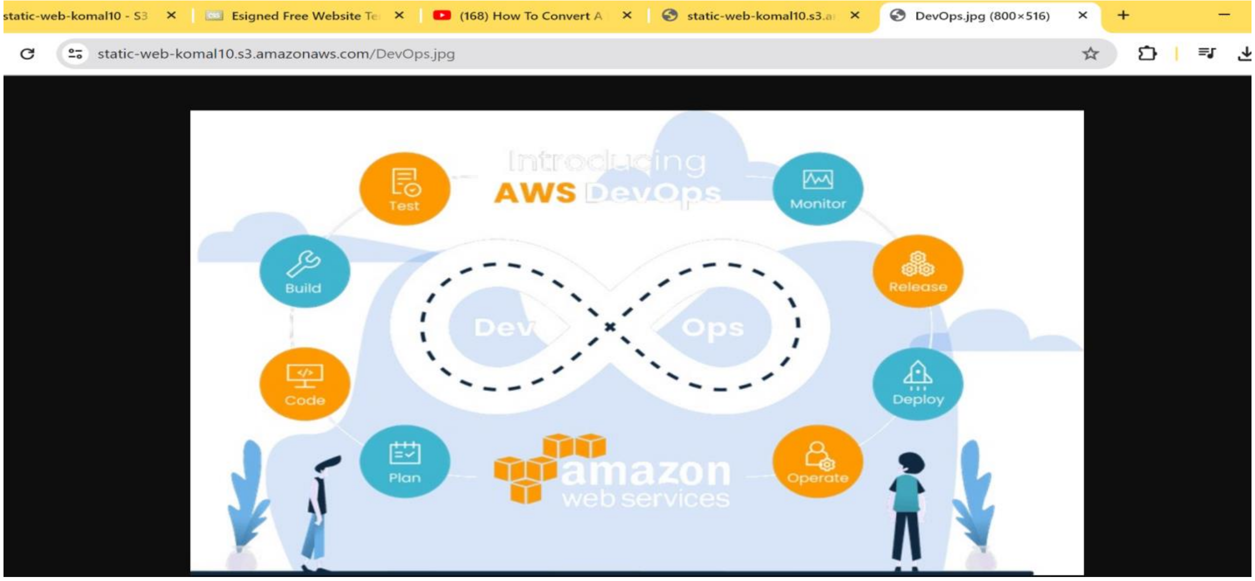
static-web-komal10 - S3
Esigned Free Website Te
(168) How To Convert A
static-web-komal10.s3.a
DevOps.jpg (800×516)
static-web-komal10.s3.amazonaws.com/DevOps.jpg
Introducing
AWS DevOps
Test
Monitor
Build
Release
Dev
Ops
Code
Deploy
Plan
Operate
amazon
web services