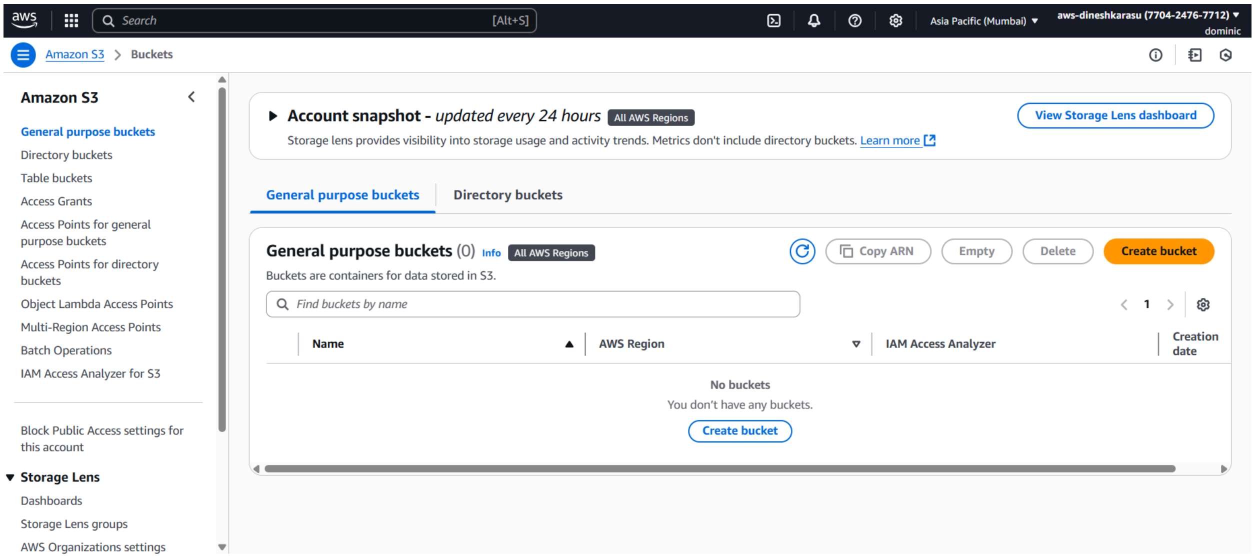
Use case

Hosting a static website on S3

Use case description

setting up a public bucket, uploading HTML files, and configuring permissions and static website hosting.

1. Login to AWS management console and navigate to S3 service - General Purpose Buckets
2. Create a new bucket



▶ **Account snapshot -** *updated every 24 hours* All AWS Regions

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. Learn more

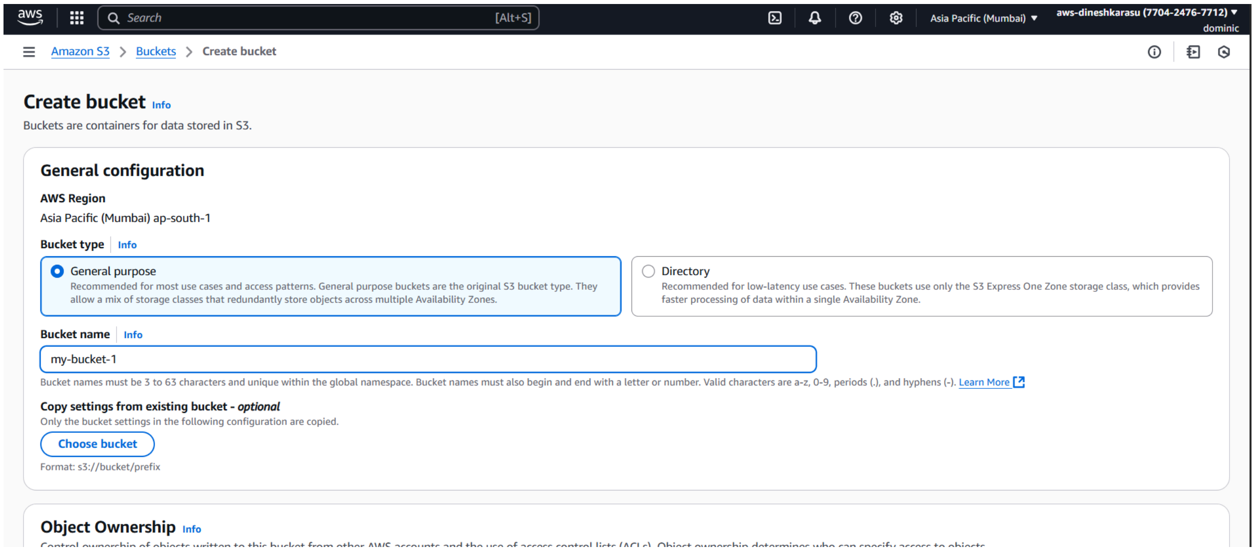
General purpose buckets (0) Info All AWS Regions

Buckets are containers for data stored in S3.

No buckets

You don't have any buckets.

3. Enter the bucket configuration values like name, versioning, etc. and create bucket


aws
Search
[Alt+S]
Asia Pacific (Mumbai) ▾
aws-dineshkarasu (7704-2476-7712) ▾
dominic
Amazon S3 > Buckets > Create bucket
Info
Choose bucket

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

AWS Region

Asia Pacific (Mumbai) ap-south-1

Bucket type Info

● General purpose
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

○ Directory
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name Info

my-bucket-1

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). Learn More

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

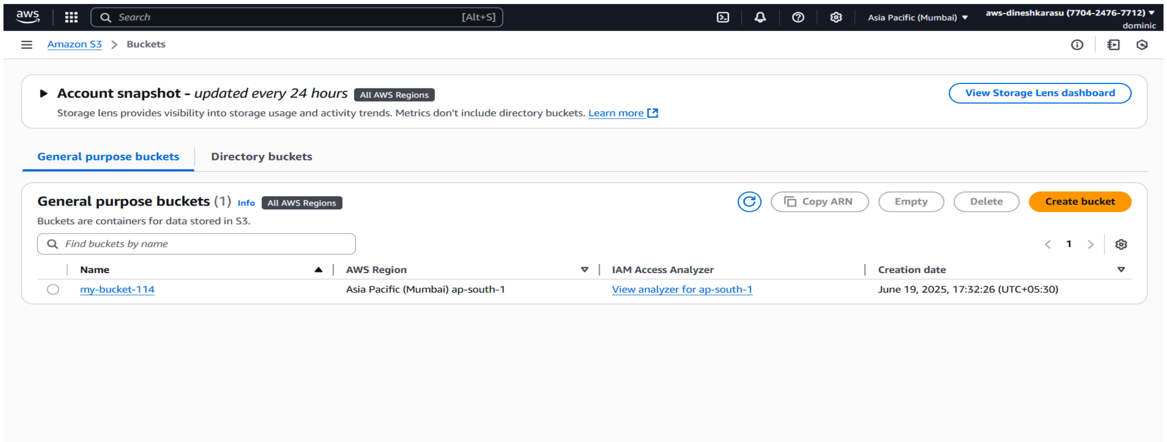
Choose bucket

Format: s3://bucket/prefix

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.

4. From the list of buttons, click on the newly created bucket and upload the objects from local machine



▶ Account snapshot - *updated every 24 hours* All AWS Regions

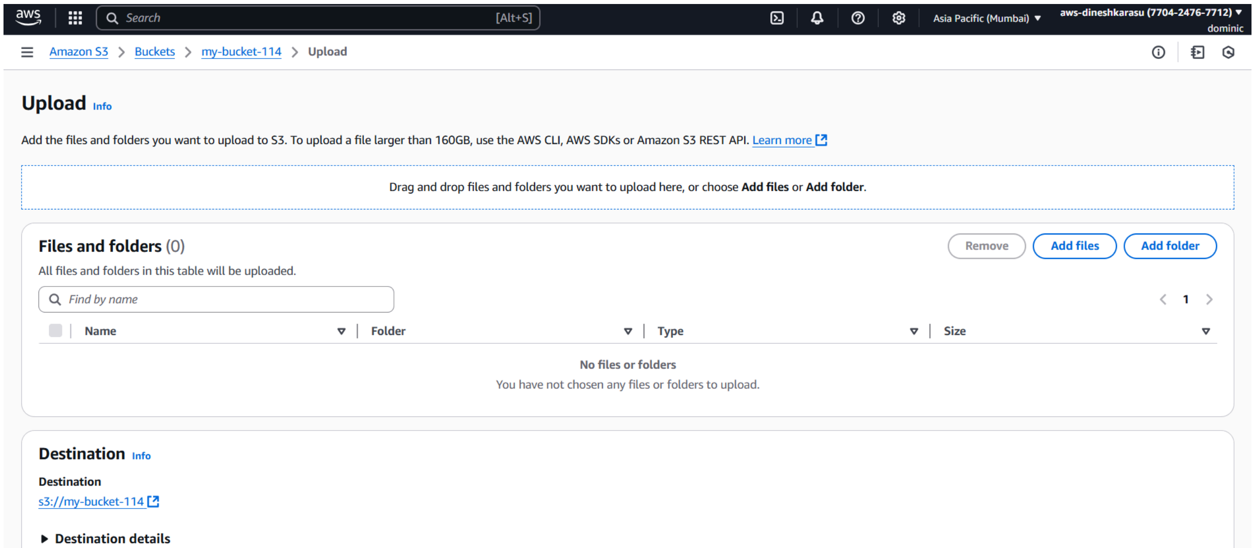
Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. Learn more

General purpose buckets (1) Info All AWS Regions

Buckets are containers for data stored in S3.

	Name	AWS Region	IAM Access Analyzer	Creation date
○	my-bucket-114	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	June 19, 2025, 17:32:26 (UTC+05:30)

5. In the upload section, add files that are required for static website hosting including html and other resource files and upoad



Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (0)

All files and folders in this table will be uploaded.

□	Name	Folder	Type	Size

No files or folders

You have not chosen any files or folders to upload.

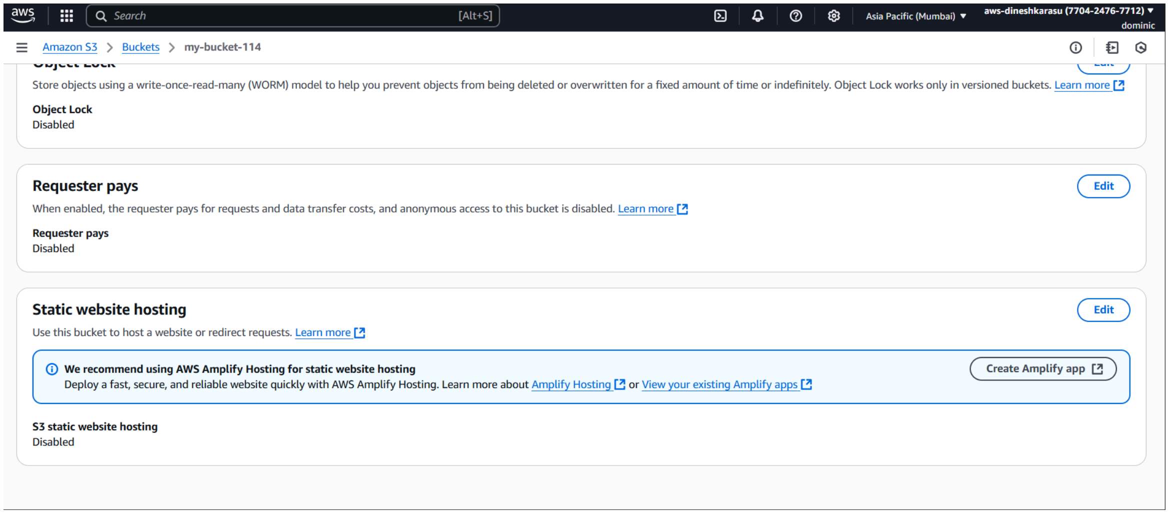
Destination Info

Destination

s3://my-bucket-114

▶ Destination details

6. In the bucket properties, enable static website hosting



Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. Object Lock works only in versioned buckets. Learn more

Object Lock
Disabled

Requester pays

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. Learn more

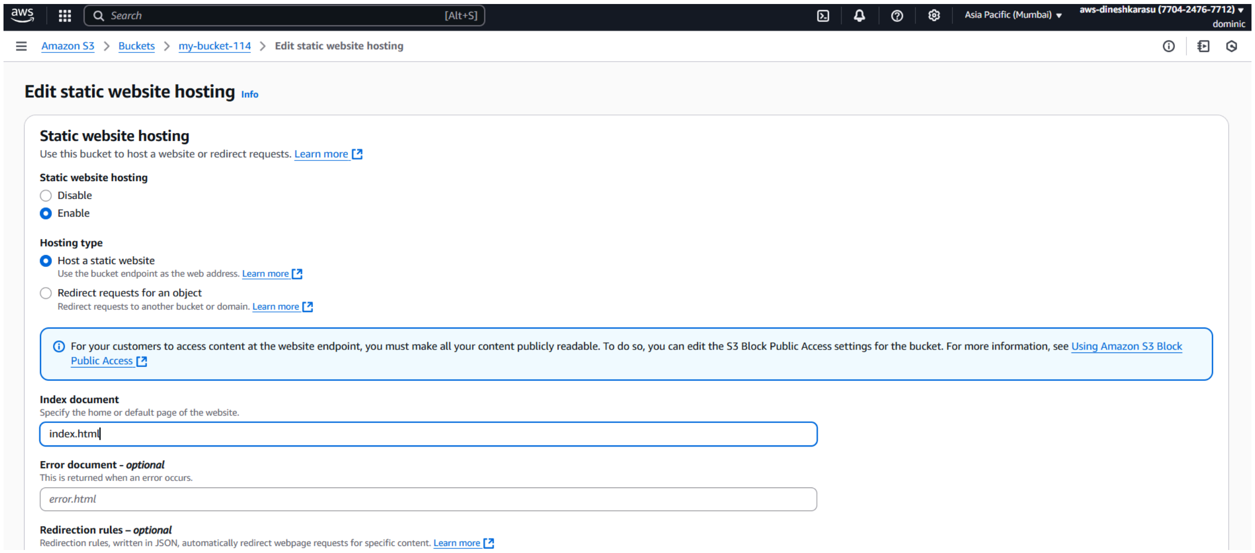
Requester pays
Disabled

Static website hosting

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

We recommend using AWS Amplify Hosting for static website hosting
Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. Learn more about Amplify Hosting or View your existing Amplify apps

S3 static website hosting
Disabled


aws
Search
[Alt+S]
Asia Pacific (Mumbai) ▾
aws-dineshkarasu (7704-2476-7712) ▾
dominic
Amazon S3 > Buckets > my-bucket-114 > Edit static website hosting

Edit static website hosting Info

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 your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access

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

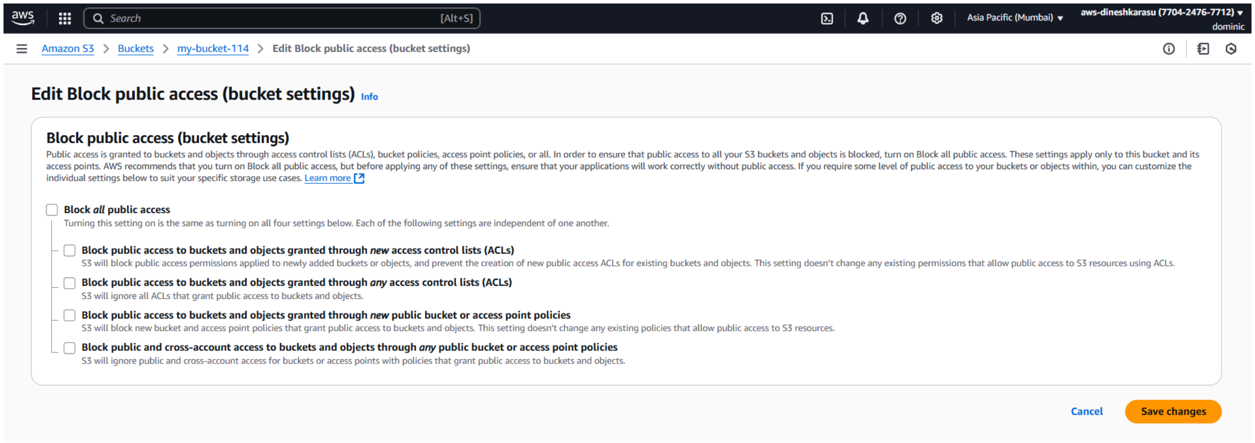
index.html

Error document - *optional*
This is returned when an error occurs.

error.html

Redirection rules – *optional*
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. Learn more

7. Allow public access in bucket settings


aws
Search
[Alt+S]
Asia Pacific (Mumbai) ▾
aws-dineshkarasu (7704-2476-7712) ▾
dominic
Amazon S3 > Buckets > my-bucket-114 > Edit Block public access (bucket settings)

Edit Block public access (bucket settings) Info

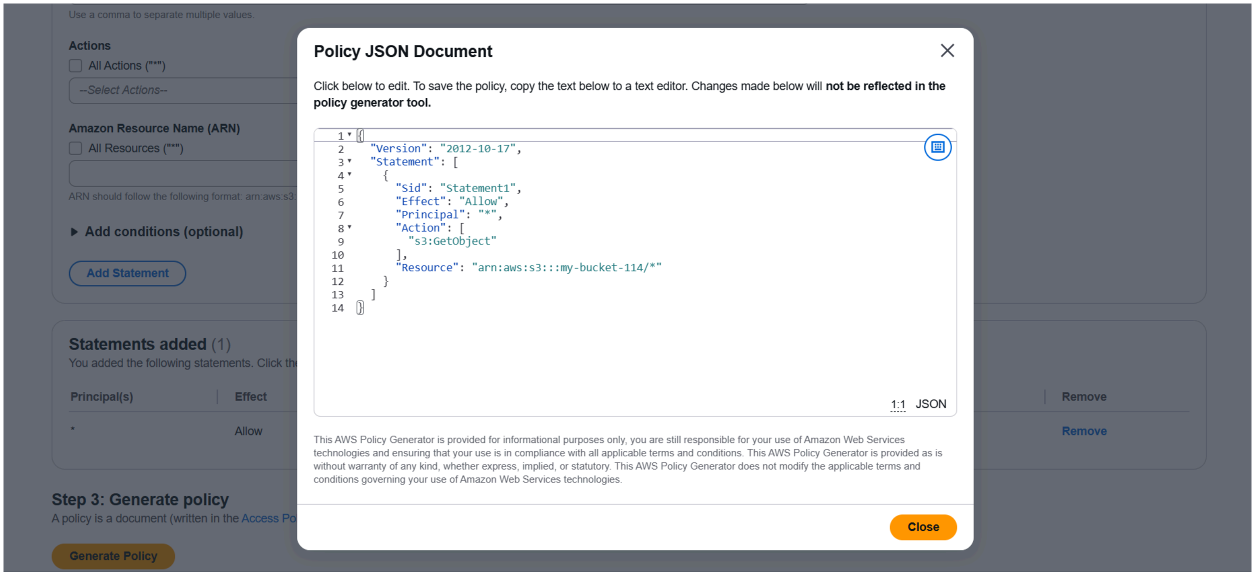
Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, 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 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.

8. Add GetObject Bucket policy to make the object publicly accessible


Use a comma to separate multiple values.
Actions
All Actions ("*")
--Select Actions--
Amazon Resource Name (ARN)
All Resources ("*")
ARN should follow the following format: arn:aws:s3
Add conditions (optional)
Add Statement
Statements added (1)
You added the following statements. Click th
Principal(s)
Effect
Remove
*
Allow
Remove
Step 3: Generate policy
A policy is a document (written in the Access Po
Generate Policy

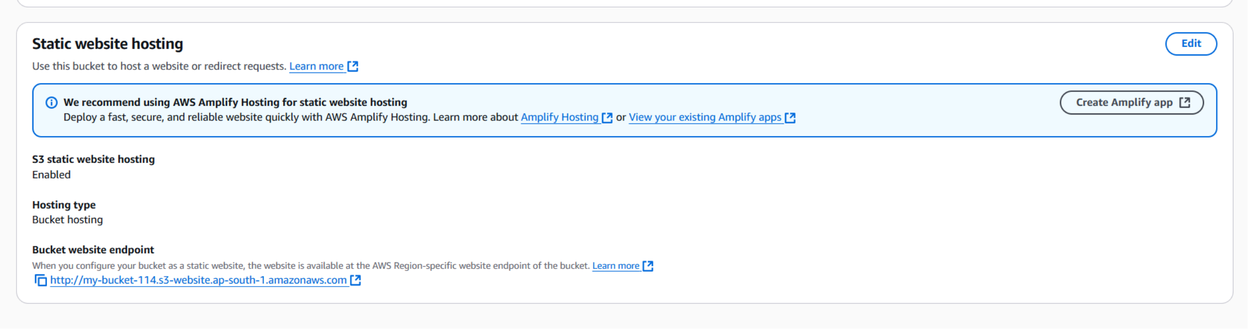
Policy JSON Document

Click below to edit. To save the policy, copy the text below to a text editor. Changes made below will **not be reflected in the policy generator tool.**

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Statement1",
      "Effect": "Allow",
      "Principal": "*",
      "Action": [
        "s3:GetObject"
      ],
      "Resource": "arn:aws:s3:::my-bucket-114/*"
    }
  ]
}
```

This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that your use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided as is without warranty of any kind, whether express, implied, or statutory. This AWS Policy Generator does not modify the applicable terms and conditions governing your use of Amazon Web Services technologies.

9. Now we can access our hosted website using the URL provided at the bottom of the static website hosting window



Static website hosting

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

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S3 static website hosting

Enabled

Hosting type

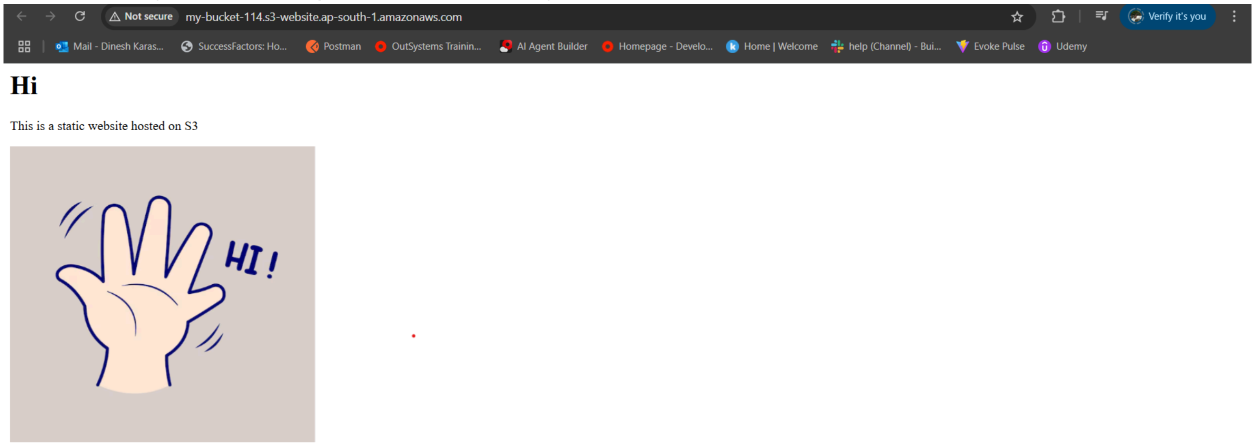
Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. Learn more

http://my-bucket-114.s3-website.ap-south-1.amazonaws.com

10. Verify the webpage hosted correctly



Hi

This is a static website hosted on S3

Key Takeaways :

1. Created S3 Bucket
2. Assigned proper bucket policy to make the objects available to everyone
3. Understood usage of Block/Allow public access of S3 buckets
4. Added files to the bucket and hosted a static website