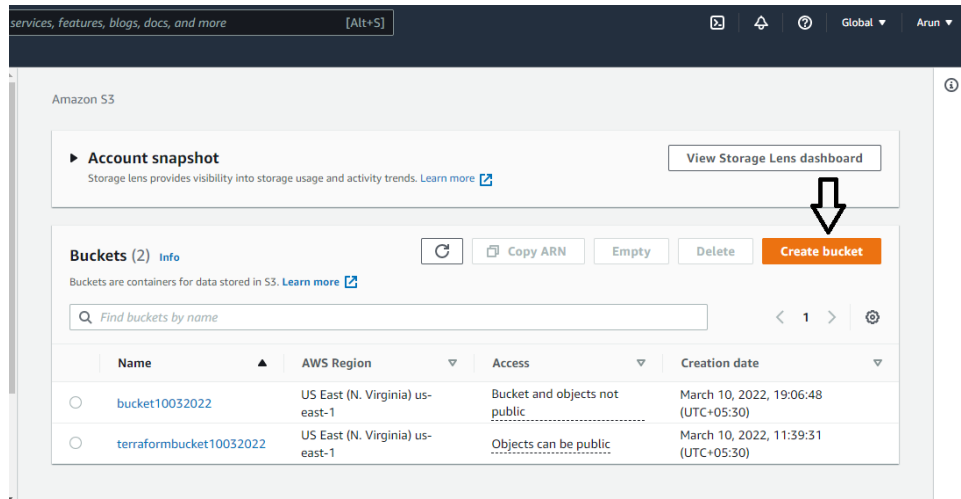


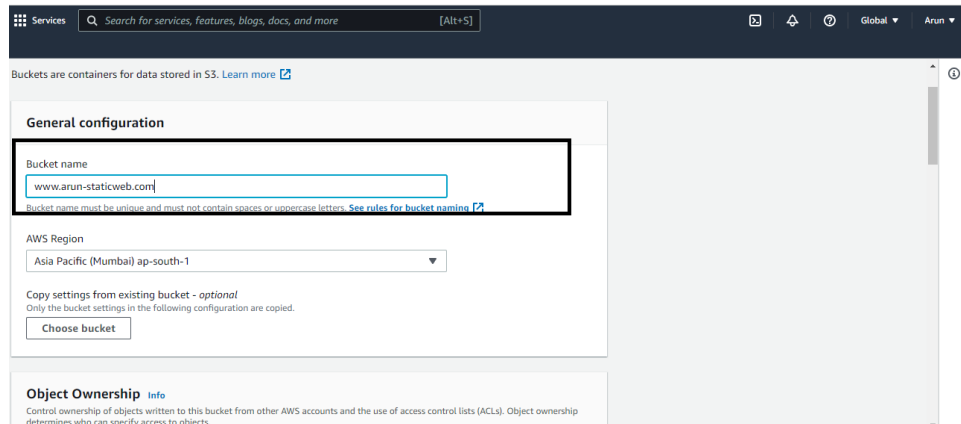
Static Webpage Hosting in S3 and Json policy to public access

Step 1 : Create bucket



The screenshot shows the Amazon S3 console. At the top, there's a search bar and navigation links. Below, the 'Account snapshot' section is visible. The 'Buckets (2)' section is highlighted, showing a table of existing buckets. A red arrow points to the 'Create bucket' button.

Name	AWS Region	Access	Creation date
bucket10032022	US East (N. Virginia) us-east-1	Bucket and objects not public	March 10, 2022, 19:06:48 (UTC+05:30)
terraformbucket10032022	US East (N. Virginia) us-east-1	Objects can be public	March 10, 2022, 11:39:31 (UTC+05:30)



The screenshot shows the 'General configuration' section for creating a new bucket. The 'Bucket name' field is highlighted with a red box and contains the text 'www.arun-staticweb.com'. The 'AWS Region' is set to 'Asia Pacific (Mumbai) ap-south-1'. The 'Object Ownership' section is also visible.

General configuration

Bucket name:

AWS Region:

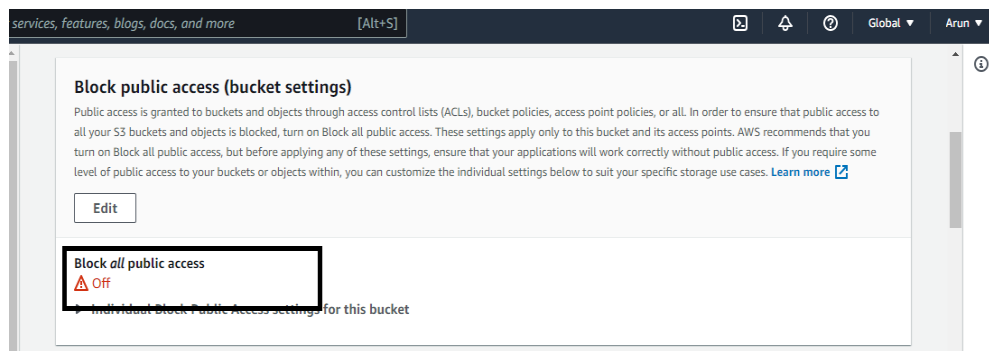
Copy settings from existing bucket - optional

Choose bucket

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.

Step 2 : Uncheck Block Public Access



The screenshot shows the 'Block public access (bucket settings)' section. The 'Block all public access' toggle is highlighted with a red box and is currently set to 'Off'.

Block public access (bucket settings)

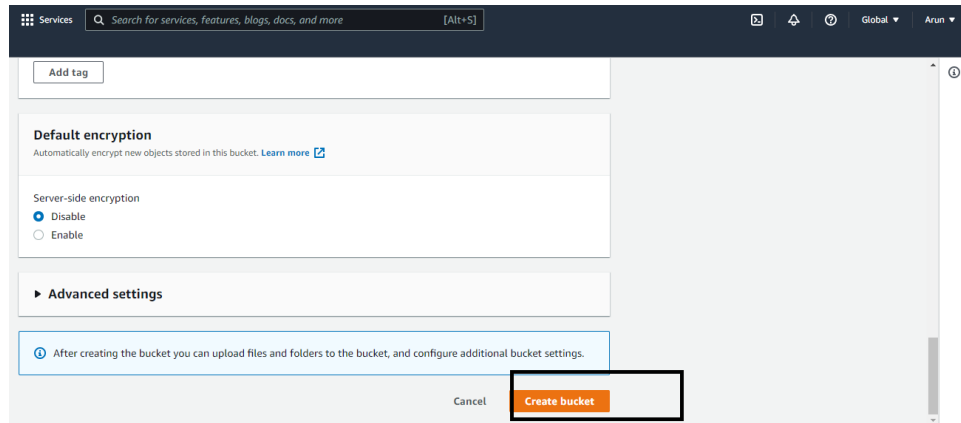
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access 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](#)

Edit

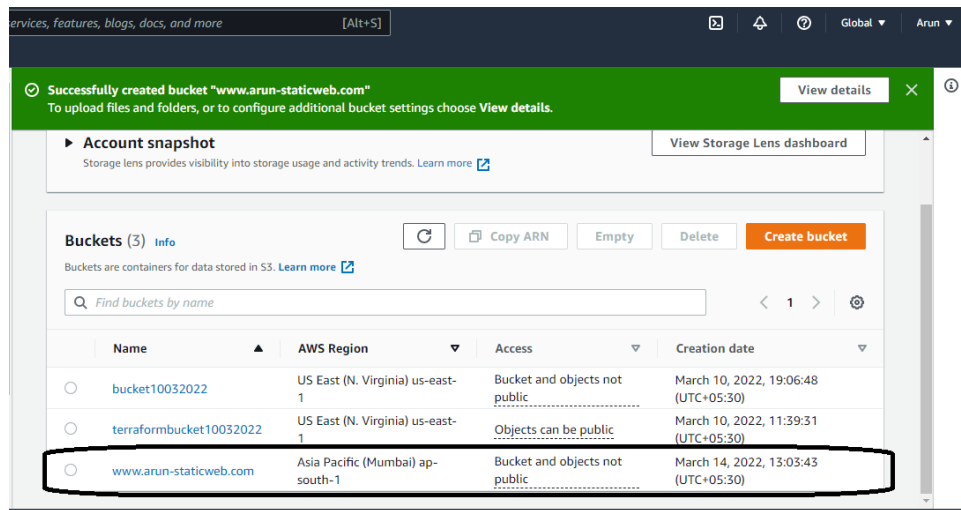
Block all public access

☒ Off

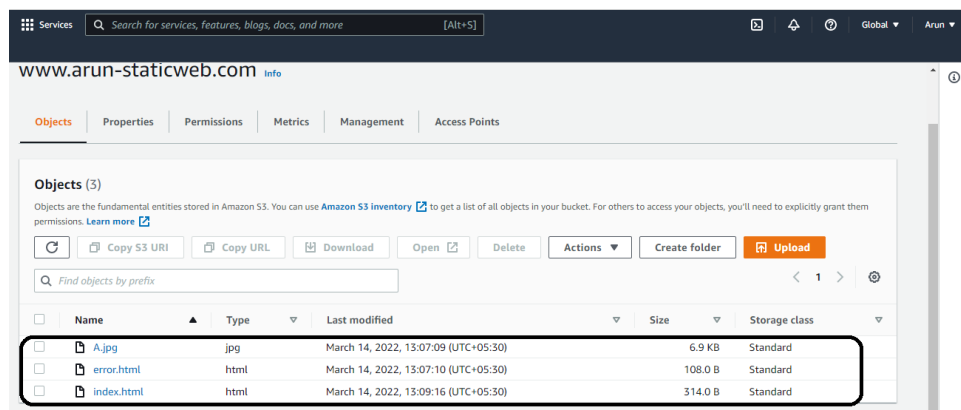
Individual Block Public Access settings for this bucket



Step 3 : Check that the bucket is still not allowing public access



Step 4 : upload html file and any other supporting files for static webpage.



Step 5 : Goto Bucket Properties >> Enable Static Website Hosting

The first screenshot shows the 'Static website hosting' section in the Amazon S3 console. The 'Static website hosting' feature is currently 'Disabled'. A black box highlights the 'Static website hosting' section, and a black arrow points to the 'Edit' button next to it.

The second screenshot shows the 'Edit static website hosting' page. The 'Static website hosting' section has two radio buttons: 'Disable' and 'Enable'. The 'Enable' radio button is selected and highlighted with a black box. Below this, the 'Hosting type' section has two radio buttons: 'Host a static website' (selected) and 'Redirect requests for an object'.

Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact [Customer Support](#).

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](#)

Static website hosting
Disabled

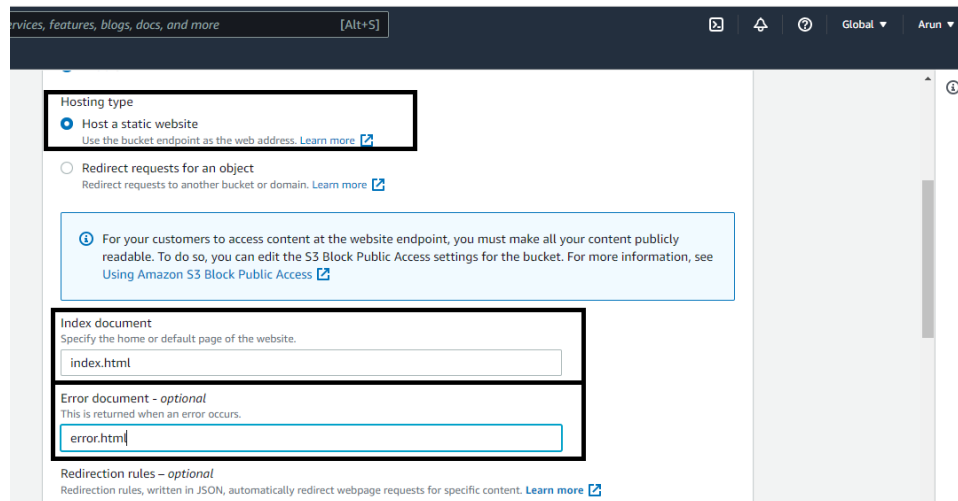
Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
☐ Disable
☒ Enable

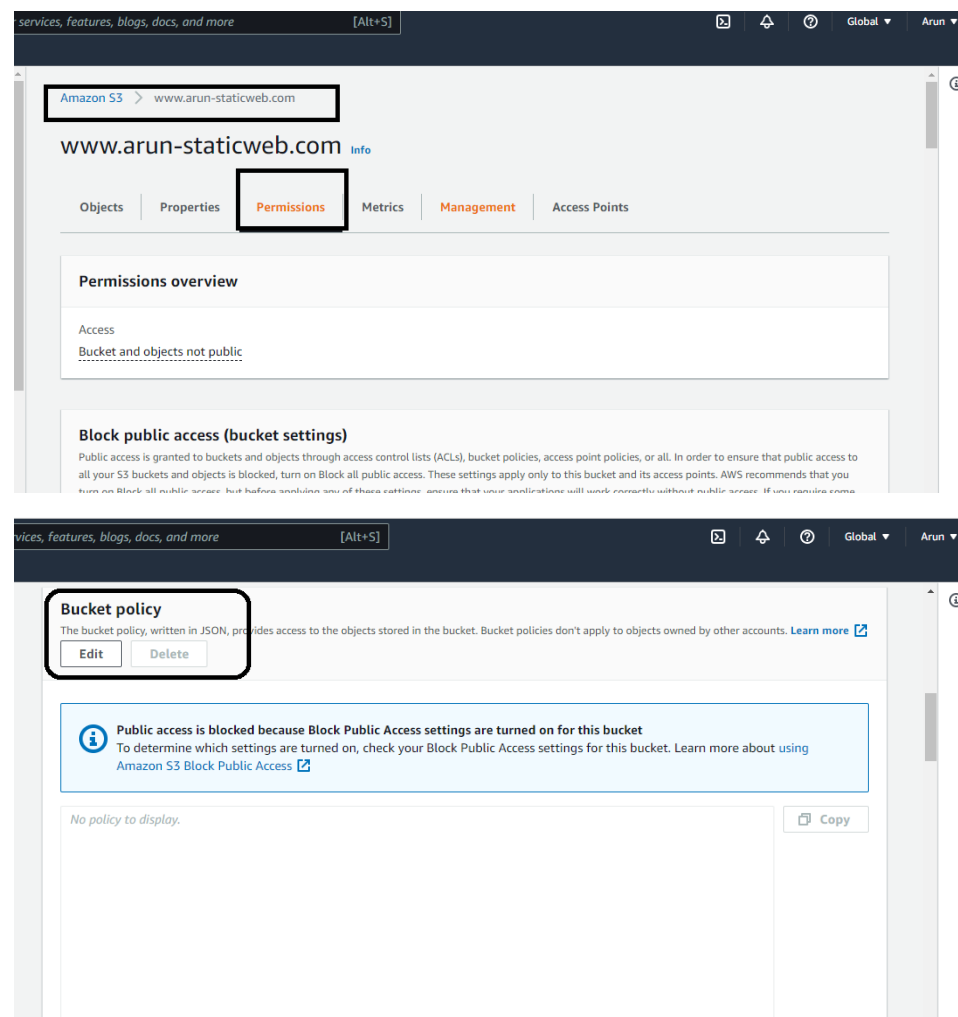
Hosting type
☒ Host a static website
Use the bucket endpoint as the web address. [Learn more](#)

☐ 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



Step 6: Goto Bucket Permissions >> edit bucket policy



Step 7 : Create json policy using AWS Policy Generator

AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are sample policies.

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an SNS Topic Policy, a VPC Endpoint Policy, and an SQS Queue Policy.

Select Type of Policy S3 Bucket Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See [a description of elements](#) that you can use in statements.

Effect ☒ Allow ☐ Deny

Principal *

Use a comma to separate multiple values.

AWS Service Amazon S3 ☐ All Services (*)

Use multiple statements to add permissions for more than one service.

Actions 1 Action(s) Selected ☐ All Actions (*)

Amazon Resource Name (ARN) arn:aws:s3:::www.arun-stat

ARN should follow the following format: arn:aws:s3:::{BucketName}/{Key Name}. Use a comma to separate multiple values.

[Add Conditions \(Optional\)](#)

[Add Statement](#)

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit

Delete

```
{
  "Version": "2012-10-17",
  "Id": "Policy1643027348924",
  "Statement": [
    {
      "Sid": "Stmt1643027347765",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::www.arun-staticweb.com/*"
    }
  ]
}
```

[Copy](#)

Step 7 : Now check Bucket is accessible public

Amazon S3

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

Buckets (4) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
bucket10032022	US East (N. Virginia) us-east-1	Bucket and objects not public	March 10, 2022, 19:06:48 (UTC+05:30)
static-web-14032022	US East (N. Virginia) us-east-1	Bucket and objects not public	March 14, 2022, 14:09:13 (UTC+05:30)
terraformbucket10032022	US East (N. Virginia) us-east-1	Objects can be public	March 10, 2022, 11:39:31 (UTC+05:30)
www.arun-staticweb.com	Asia Pacific (Mumbai) ap-south-1	Public	March 14, 2022, 13:03:43 (UTC+05:30)

Step 9 : Goto the index.html >> properties >> get object URL

amazon.com/s3/object/www.arun-staticweb.com?region=ap-south-1&prefix=index.html

Amazon S3 > [www.arun-staticweb.com](#) > [index.html](#)

[index.html](#) [Info](#)

Copy S3 URI Download Open Object actions

Properties Permissions Versions

Object overview

Owner
54424cd48556f37a1fbfafcc93196fcdab394fda9eae0c2e681a8c13e09fe6b5

AWS Region
Asia Pacific (Mumbai) ap-south-1

Last modified
March 14, 2022, 13:09:16 (UTC+05:30)

Size
314.0 B

Type
html

S3 URI
[s3://www.arun-staticweb.com/index.html](#)

Amazon Resource Name (ARN)
[arn:aws:s3::www.arun-staticweb.com/index.html](#)

Entity tag (Etag)
[737cab03b2f10c890398db92115464de](#)

Object URL
[https://s3.ap-south-1.amazonaws.com/www.arun-staticweb.com/index.html](#)

Step 10: Open the link in browser, Static website Hosted successfully

<https://s3.ap-south-1.amazonaws.com/www.arun-staticweb.com/index.html>

