

# Task-3:

Create a Storage account in any cloud AWS/Azure and try securing it to protect your data.

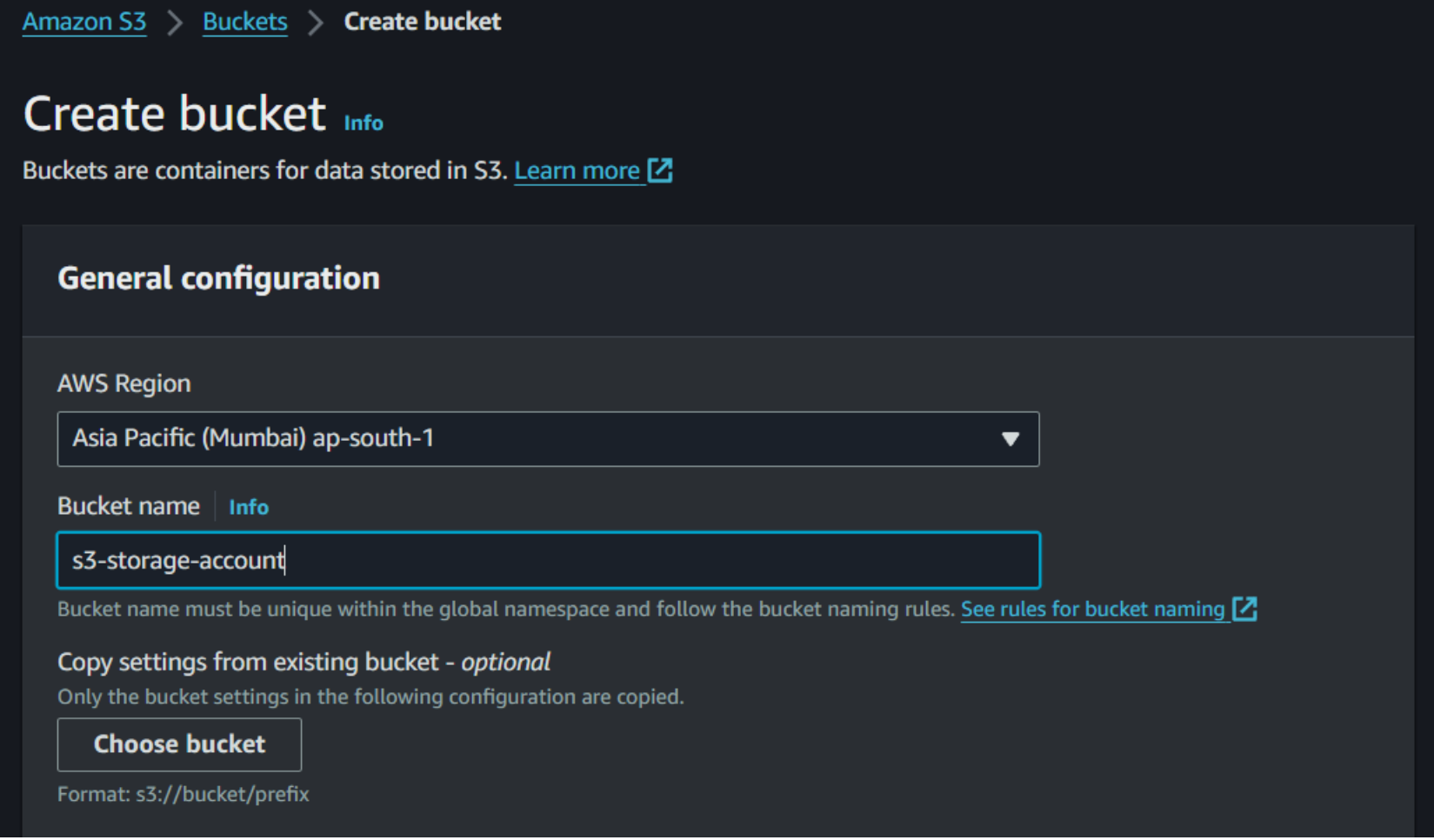
Here I am using AWS cloud platform

Now, I am creating s3 bucket

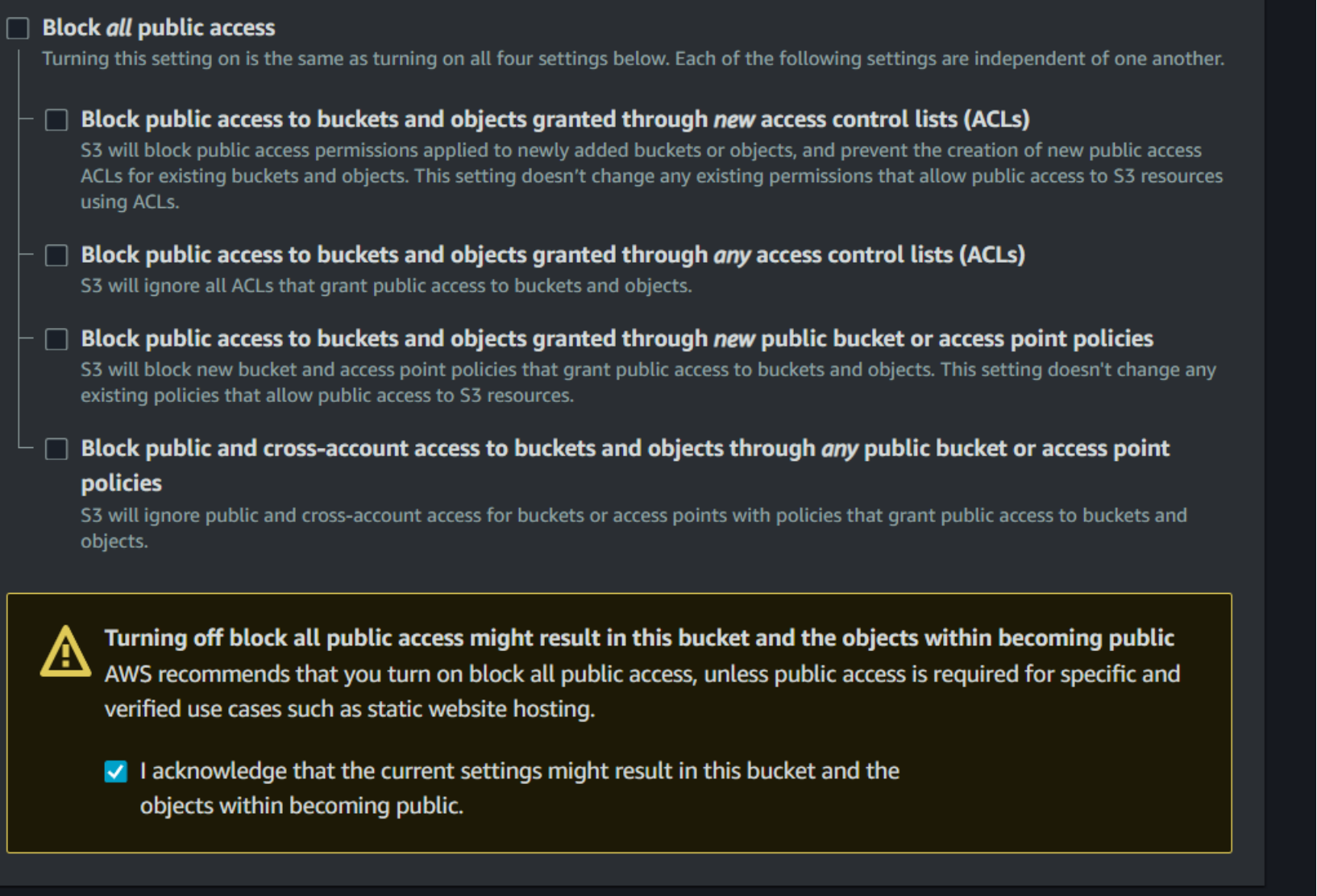
Go to AWS console, go to s3 service

Region: ap-south-1

Bucket name: s3-storage-account



Enable public access



Bucket versioning (related GitHub version)

Easily recover our data and applications failures, restore and retrieve, every version and objects stored in this s3 buckets

## Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

Disable

Enable

Created my s3 bucket

Account snapshot

View Storage Lens dashboard

General purpose buckets

Directory buckets

General purpose buckets (1) Info

Refresh

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

< 1 > ⚙️

	Name	AWS Region	Access	Creation date
	s3-storage-account	Asia Pacific (Mumbai) ap-south-1	Objects can be public	February 7, 2024, 14:42:51 (UTC+05:30)

I am upload one data file within the s3 bucket

Summary

Destination

s3://s3-storage-account

Succeeded

1 file, 6.0 B (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (1 Total, 6.0 B)

Find by name

< 1 >

Name	Folder	Type	Size	Status	Error
index.html.txt	-	text/plain	6.0 B	Succeeded	-

Create bucket policy

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects own

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:*",
      "Resource": "arn:aws:s3:::s3-storage-account/*"
    }
  ]
}
```

This my bucket object URL

<https://s3-storage-account.s3.ap-south-1.amazonaws.com/index.html.txt>

My file data

Block public access (bucket settings)

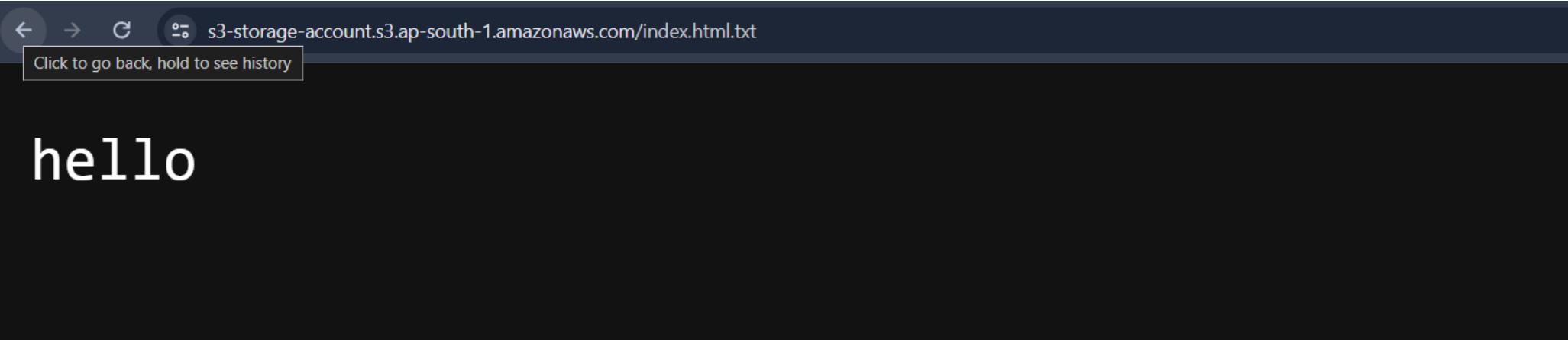
Edit

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

Off

Individual Block Public Access settings for this bucket



Block public access

Block public access (bucket settings)

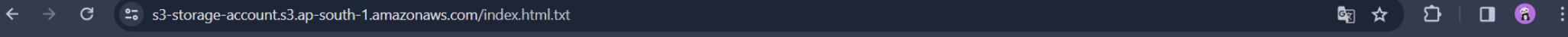
Edit

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

On

Individual Block Public Access settings for this bucket



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>7PCED9XM6YF1BJXH</RequestId>
  <HostId>+WdGtHUXegBK/1eJu7ac+sh3DfoZUQgB91Cv0EV/t7A/ZGC6jU5Wra4gxcw6FRdzFAkVHq+01Tk=</HostId>
</Error>
```