

# Experiment 01-(a)

## Hosting a static website on Amazon S3

The screenshot shows the 'Create bucket' page in the AWS console for the 'ap-south-1' region. The 'General configuration' tab is active. The 'AWS Region' is set to 'Asia Pacific (Mumbai) ap-south-1'. The 'Bucket name' is 'suprabucket'. A note states: 'Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)'. Below this, there is a section for 'Copy settings from existing bucket - optional' with a 'Choose bucket' button and a format example 's3://bucket/prefix'. The bottom of the console shows the 'CloudShell' and 'Feedback' buttons, and a copyright notice for 2024 Amazon Web Services.

ap-south-1.console.aws.amazon.com/s3/bucket/create?region=ap-south-1&bucketType=general

Amazon S3 > Buckets > Create bucket

### Create bucket [Info](#)

Buckets are containers for data stored in S3.

#### General configuration

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

**Bucket name** [Info](#)  
suprabucket  
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

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This screenshot shows the 'Encryption type' and 'Bucket Key' sections of the 'Create bucket' page. Under 'Encryption type', three options are listed: 'Server-side encryption with Amazon S3 managed keys (SSE-S3)' (selected), 'Server-side encryption with AWS Key Management Service keys (SSE-KMS)', and 'Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)'. A note for DSSE-KMS mentions pricing. The 'Bucket Key' section has a note about cost reduction and a choice between 'Disable' and 'Enable' (selected). Below these is an 'Advanced settings' section which is currently collapsed. At the bottom, there is a blue information box about uploading files after creation, and 'Cancel' and 'Create bucket' buttons. The bottom of the console shows the 'Upcoming Earnings' notification and the system clock.

ap-south-1.console.aws.amazon.com/s3/bucket/create?region=ap-south-1&bucketType=general

Encryption type [Info](#)

- ☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)
- ☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)
- ☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)  
Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the Storage tab of the [Amazon S3 pricing page](#).

**Bucket Key**  
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

► **Advanced settings**

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

Cancel [Create bucket](#)

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Upcoming Earnings

Search

ENG US 13:39 13-08-2024

ap-south-1.console.aws.amazon.com/s3/bucket/suprabucket2/property/website/edit?region=ap-south-1&bucketType=general

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](#)

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ap-south-1.console.aws.amazon.com/s3/bucket/suprabucket2/property/policy/edit?region=ap-south-1&bucketType=general

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](#)

Policy examples [Policy generator](#)

Bucket ARN

am:aws:s3:::suprabucket2

Policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "PublicReadGetObject",
6       "Effect": "Allow",
7       "Principal": "*",
8       "Action": "s3:GetObject",
9       "Resource": "arn:aws:s3:::suprabucket2"
10    }
11  ]
12 }
13
```

Edit statement **PublicReadGetObject** Remove

Add actions

Choose a service

Filter services

Included

S3

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ap-south-1.console.aws.amazon.com/s3/buckets/suprabucket2?region=ap-south-1&bucketType=general&tab=permissions

Gmail YouTube Maps India Scholarship 20...All Bookmarks

awsServicesSearch[Alt+S]

MumbaiSupra003

Successfully edited bucket policy.

Amazon S3 > Buckets > suprabucket2

suprabucket2Info

ObjectsPropertiesPermissionsMetricsManagementAccess Points

Permissions overview

Access finding  
Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#)  
[View analyzer for ap-south-1](#)

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  
[Edit](#)

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ap-south-1.console.aws.amazon.com/s3/buckets/suprabucket2?region=ap-south-1&bucketType=general&tab=objects

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awsServicesSearch[Alt+S]

MumbaiSupra003

Amazon S3 > Buckets > suprabucket2

suprabucket2Info

ObjectsPropertiesPermissionsMetricsManagementAccess Points

Objects (0) Info

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

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](#)

Name

Type

Last modified

Size

Storage class

No objects  
You don't have any objects in this bucket.

[Upload](#)

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