SVKM'S NMIMS Nilkamal School of Mathematics, Applied Statistics & Analytics
Master of Science (Statistics & Data Science)
Practical-II Storage as service using AWS
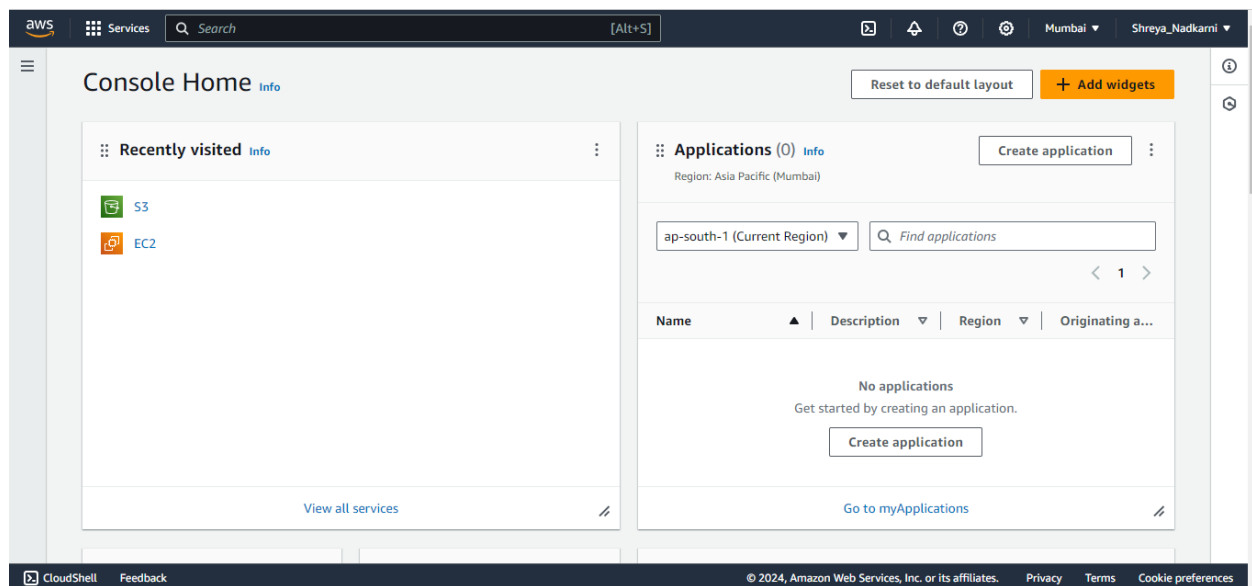
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QUES 1: Steps for Implementing S3 for Uploading a File, Video, etc.

1. **Access the S3 Service**:

- Navigate to the S3 service from the AWS Management Console.

2. Create a Bucket:

- Click on "Create bucket".

- Enter a unique bucket name and select a region.

- Configure options such as versioning and logging if needed, then click "Create bucket".

Storage

Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

How it works

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

Create bucket

Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the AWS Simple Monthly Calculator ⧉

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

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

Bucket name | Info

> pract1-bucket

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
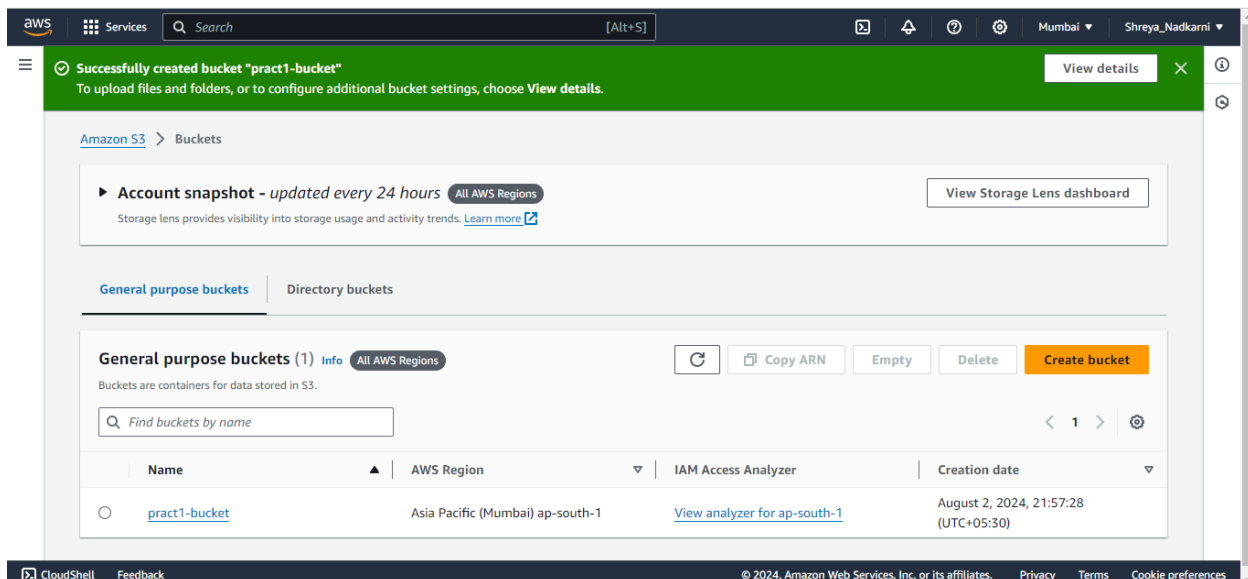
Format: s3://bucket/prefix

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.
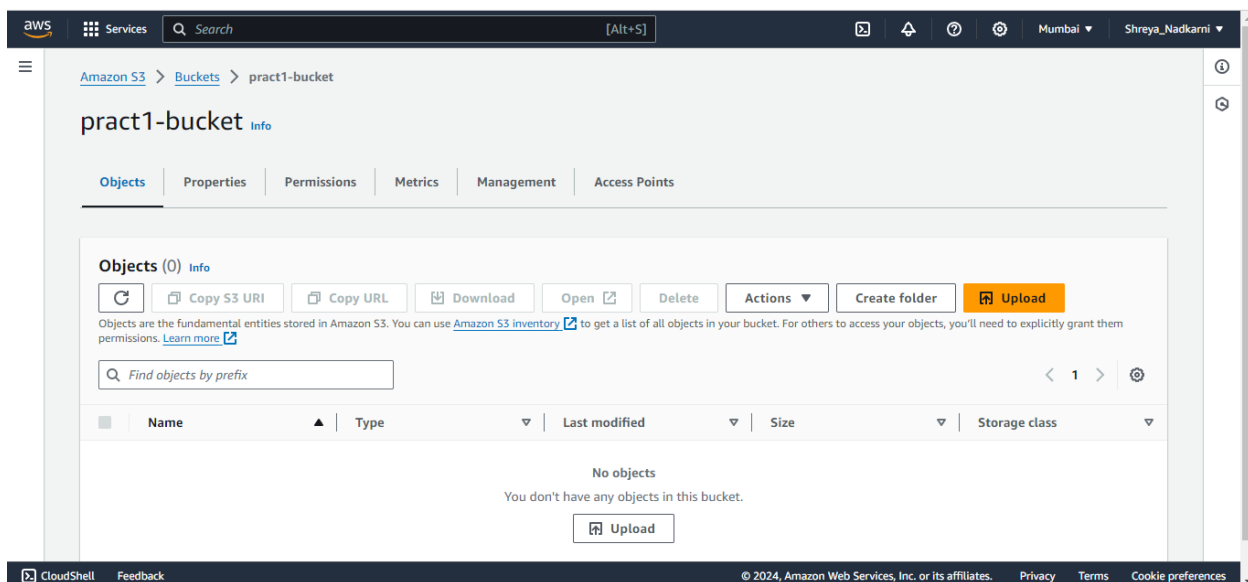
3. **Upload a File**:

- Select the newly created bucket.

- Click on the "Upload" button.

- Drag and drop your file(s) or click "Add files" to browse and select the file(s) you want to upload.

- Click "Upload".

4. **Access your content**:
- After the image is visible click on it.
- Click on "open".

View Uploaded Image

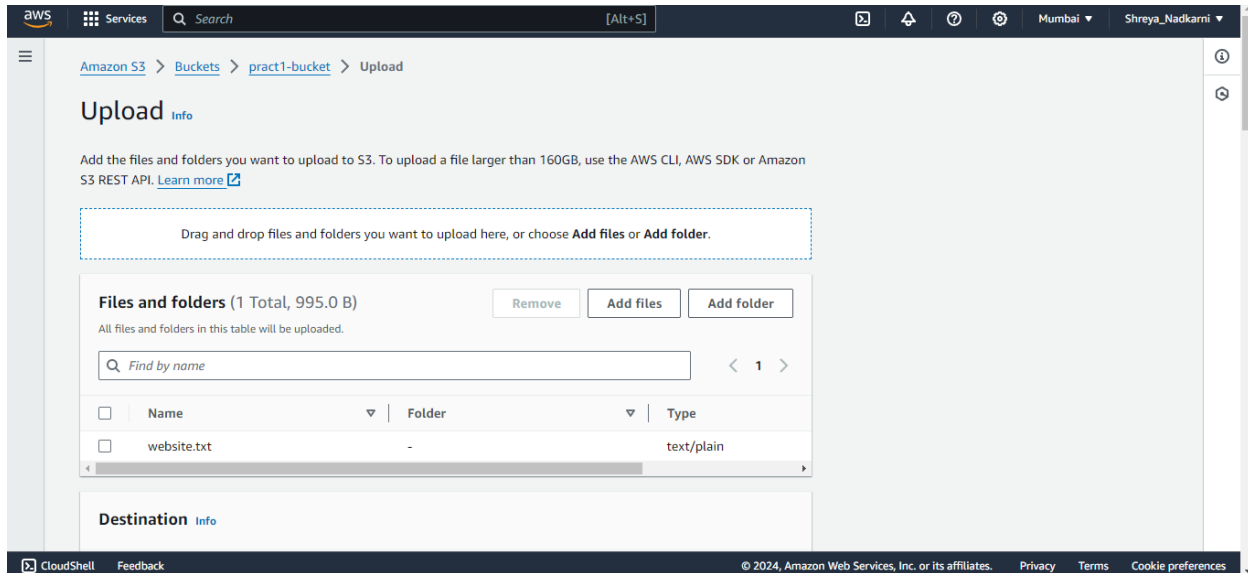**QUES2. Steps for Implementing S3 for Uploading a Static Website**

1. Access the S3 Service:

- Navigate to the S3 service from the AWS Management Console.

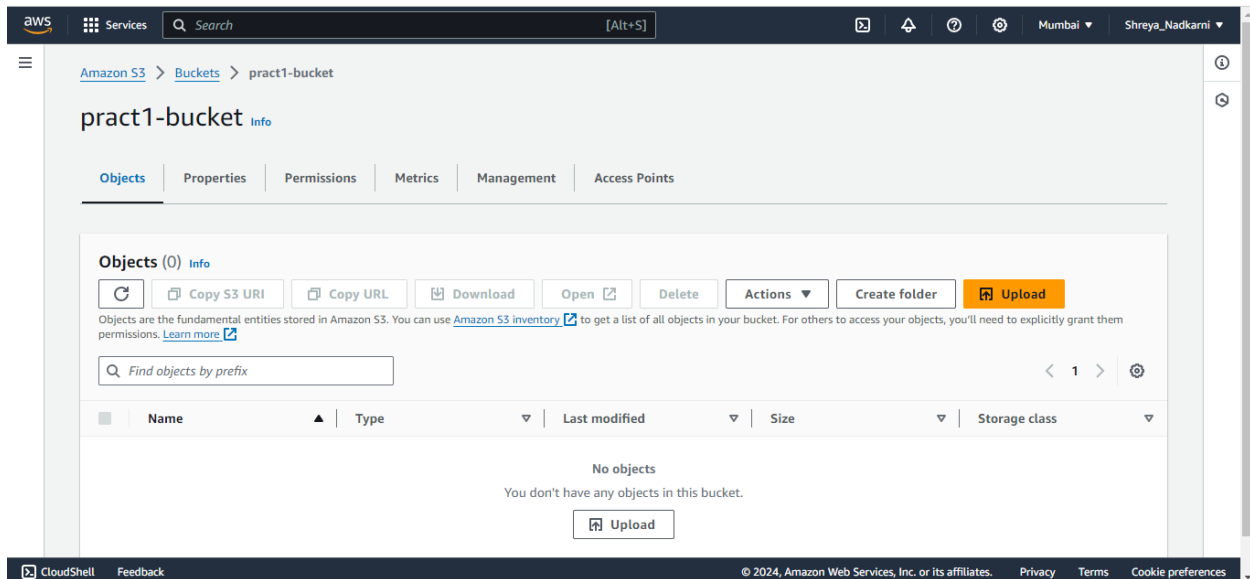## 2. Create a Bucket:

- Click on "Create bucket".

- Enter a unique bucket name. (For static website hosting, the bucket name should match your domain name if you're using a custom domain, e.g., www.example.com).

- Select a region and click "Create bucket".
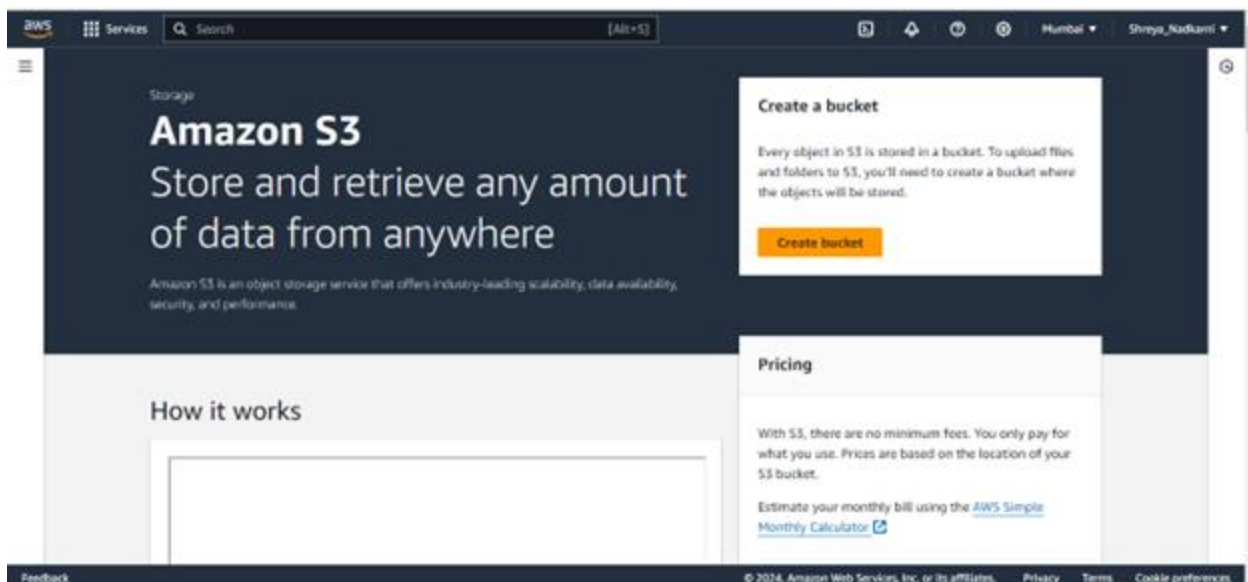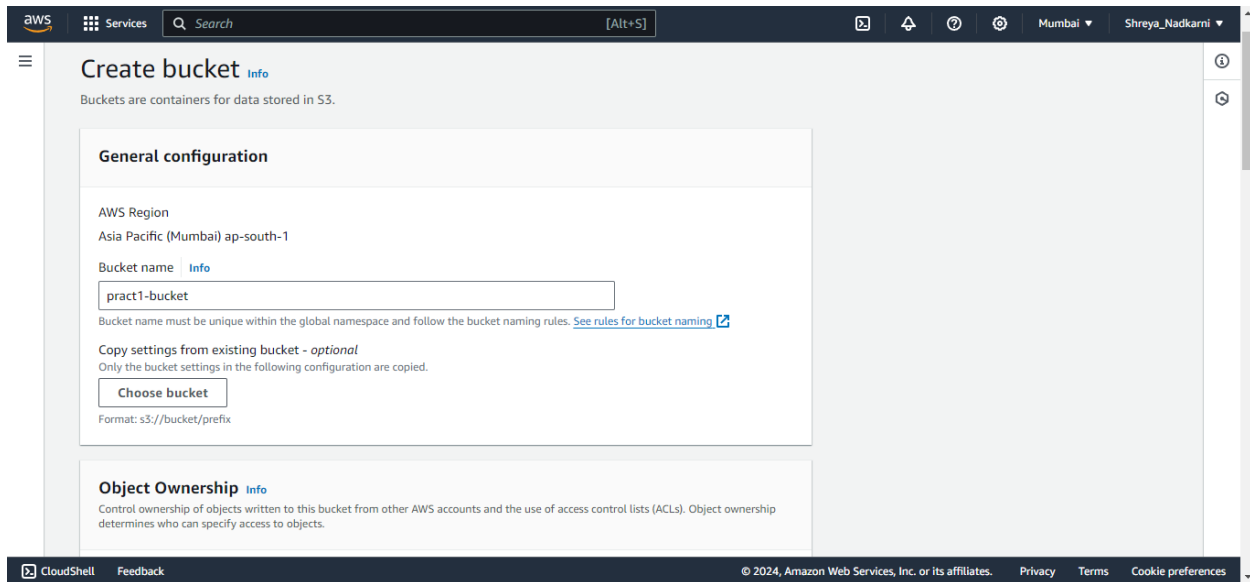
3. upload Website Files:

- Drag and drop your website files or click "Add files" to browse and select them.

- Click "Upload".

⊘ **Upload succeeded**
View details below.

Summary

Destination	Succeeded	Failed
s3://pract1-bucket	⊘ 1 file, 2.7 KB (100.00%)	⊖ 0 files, 0 B (0%)

Files and folders   Configuration

Files and folders (1 Total, 2.7 KB)

Q Find by name   ‹ 1 ›

Name	Folder ▽	Type ▽	Size ▽	Status ▽	Error ▽
website.htm..⧉	-	text/html	2.7 KB	⊘ Succeeded	-

4. Access Your Static Website

Amazon S3   ✕

Buckets
Access Grants
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3

Block Public Access settings for this account

▼ **Storage Lens**
Dashboards
Storage Lens groups
AWS Organizations settings

Amazon S3 › Buckets › pract1-bucket › website.html

website.html Info

[Copy S3 URI]   [⬇ Download]   [Open ⧉]   [Object actions ▾]

Properties   Permissions   Versions

Object overview

Owner
dcd13d2437968e90540573a584f3e9dbef79ed4e5192542bf5e819
15b1796b60

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

Last modified
August 2, 2024, 22:27:52 (UTC+05:30)

Size
2.7 KB

S3 URI
⧉ s3://pract1-bucket/website.html

Amazon Resource Name (ARN)
⧉ arn:aws:s3:::pract1-bucket/website.html

Entity tag (Etag)
⧉ 7fe77d35f4626bc1ef3530c20ac90765

Object URL
⧉ https://pract1-bucket.s3.ap-south-1.amazonaws.com/website.h

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