S3 Bucket Creation and Upload Objects
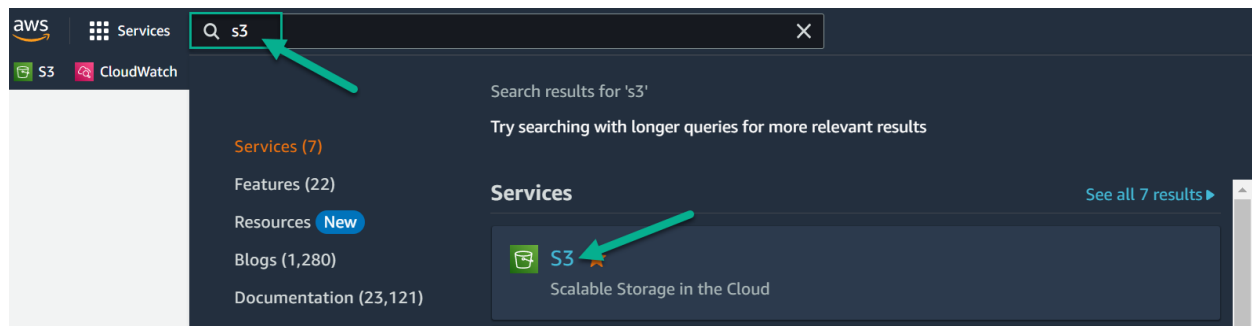
Problem Statement:

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.
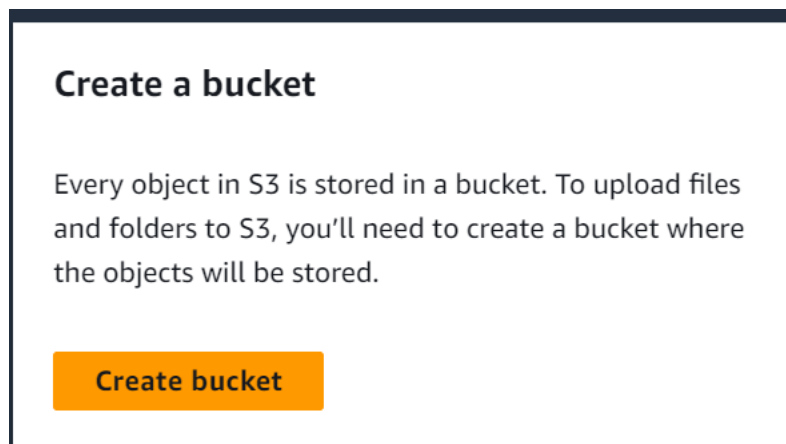
Tasks To Be Performed:

1. Create an S3 Bucket for file storage.

2. Upload 5 objects with different file extensions.

Answer:

Login to the AWS Console providing your credentials

In Search bar search for S3 then select S3 in results

In S3 Console Click on "Create Bucket"

Amazon S3 > Buckets > **Create bucket**

Create bucket Info

Buckets are containers for data stored in S3. **Learn more** ⬈

General configuration

Bucket name

ravifilestorage

Bucket name must be unique within the global namespace and follow the bucket naming rules. **See rules for bucket naming** ⬈

AWS Region

US East (Ohio) us-east-2 ▼

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

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.

- ◉ **ACLs disabled (recommended)**
  All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

- ○ **ACLs enabled**
  Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership

Bucket owner enforced

Block Public Access settings for this bucket

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 this bucket and its 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 this bucket 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.

Provide Bucket Name should be unique

Select the region in which region you wanted to create that bucket

Object Ownership

ACLs Disabled

Select "Block All Public Access" to avoid publishing your bucket to public

Keep all the Default options Click on "Create Bucket"
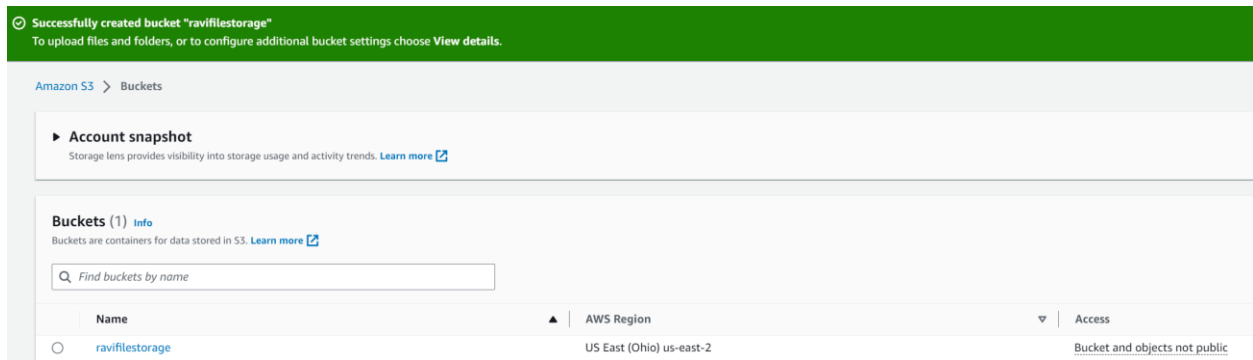
Bucket is creation is successful

Now Upload the Objects

Click on the Bucket Name → Click Upload
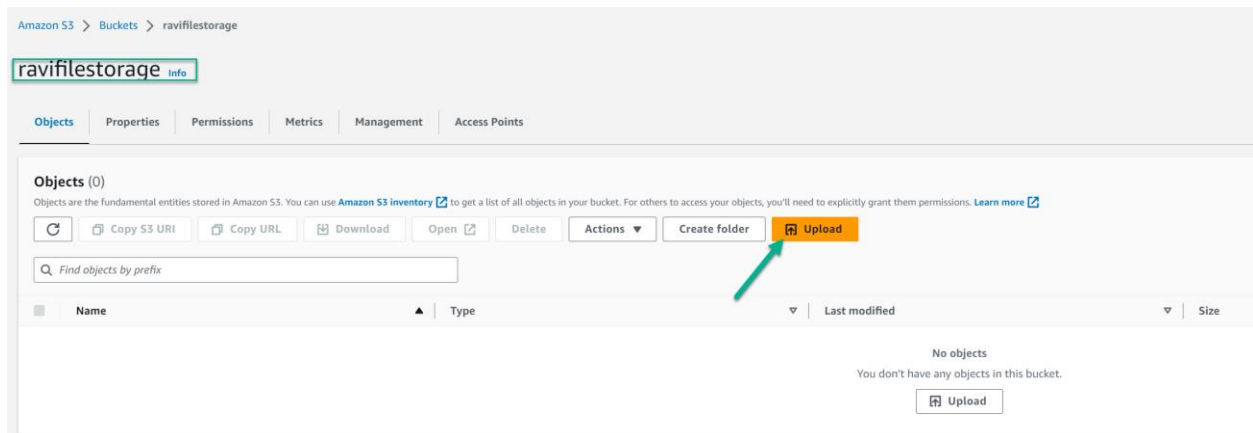
Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK 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 (5 Total, 90.8 MB)

All files and folders in this table will be uploaded.

| Remove | Add files | Add folder |

| Q Find by name | | | ‹ 1 › |

☐	Name ▽	Folder ▽	Type ▽	Size ▽
☐	Dev1_credentials.csv	-	text/csv	115.0 B
☐	awsproject1-main.zip	-	application/x-zip-co...	769.7 KB
☐	Lambda start and st...	-	image/png	791.7 KB
☐	AWS Cloud Solution ...	-	application/vnd.ope...	212.4 KB
☐	VSCodeUserSetup-x...	-	application/x-msdo...	89.0 MB

Destination

Destination

s3://ravifilestorage

▶ **Destination details**
Bucket settings that impact new objects stored in the specified destination.

▶ **Permissions**
Grant public access and access to other AWS accounts.

▶ **Properties**
Specify storage class, encryption settings, tags, and more.

Cancel   **Upload**

Select 5 types of objects Click on Upload

⊘ **Upload succeeded**
View details below.

Upload: status

ⓘ The information below will no longer be available after you navigate away from this page.

Summary

Destination	Succeeded	Failed
s3://ravifilestorage	⊘ 5 files, 90.8 MB (100.00%)	⊖ 0 files, 0 B (0%)

Files and folders | Configuration

Files and folders (5 Total, 90.8 MB)

🔍 Find by name

Name	Folder ▽	Type ▽	Size ▽	Status
Dev1_credentials.csv	-	text/csv	115.0 B	⊘ Succeeded
awsproject1-main.zip	-	application/x-zip-compressed	769.7 KB	⊘ Succeeded
Lambda start and stop ec2 instances.png	-	image/png	791.7 KB	⊘ Succeeded
AWS Cloud Solution Architect_JD.docx	-	application/vnd.openxmlformats-officedocument.word...	212.4 KB	⊘ Succeeded
VSCodeUserSetup-x64-1.81.1.exe	-	application/x-msdownload	89.0 MB	⊘ Succeeded

Objects are uploaded successfully