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S3 Bucket Creation and Upload Objects

Problem Statement:

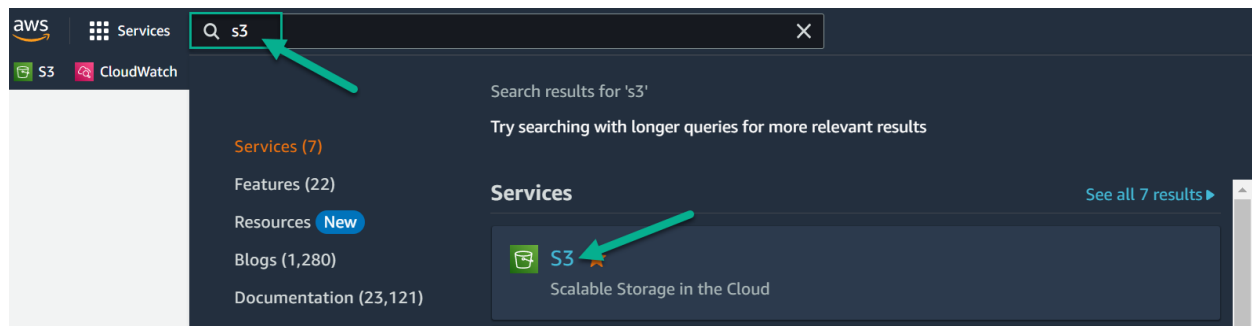
You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

Tasks To Be Performed:

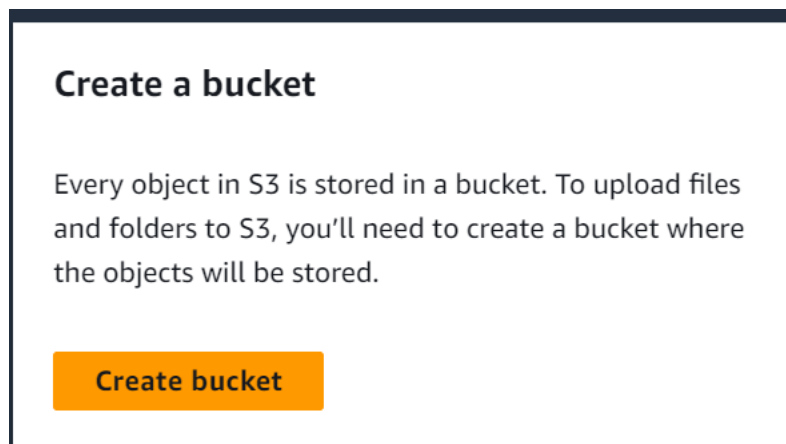
1. Create an S3 Bucket for file storage.
2. Upload 5 objects with different file extensions.

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”

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[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

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Object Ownership

ACLs Disabled

Select “Block All Public Access” to avoid publishing your bucket to public

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

Tags (0) - optional
You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add tag

Default encryption [Info](#)
Server-side encryption is automatically applied to new objects stored in this bucket.

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

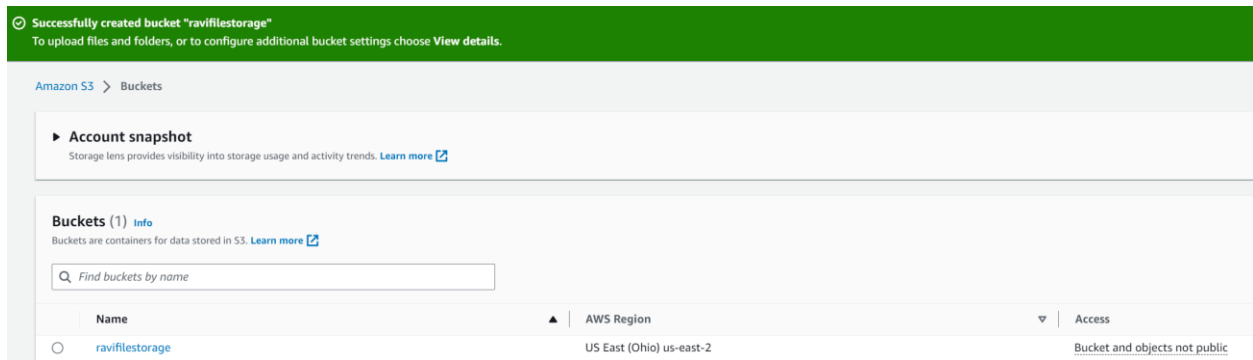
► **Advanced settings**

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

Cancel **Create bucket**

Keep all the Default options Click on “Create Bucket”

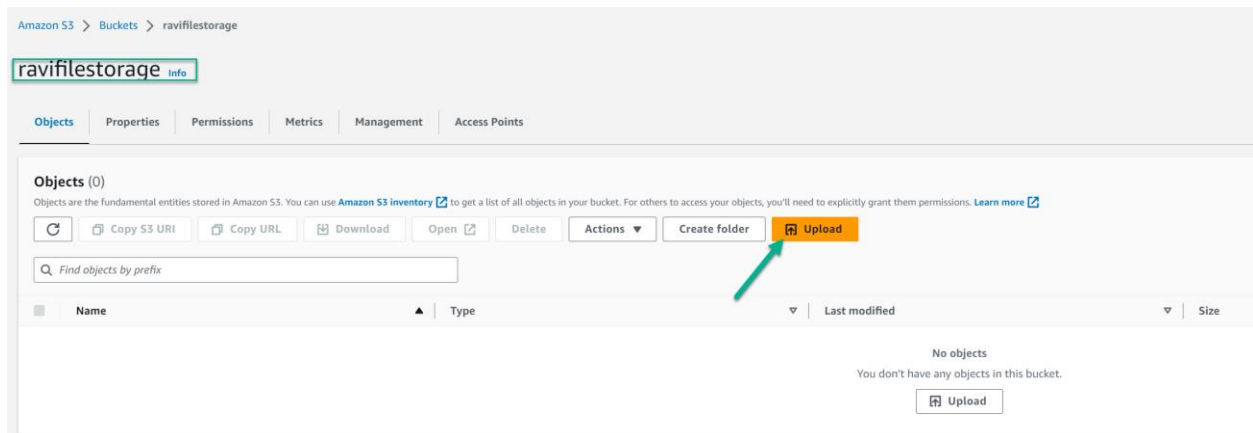
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Bucket is creation is successful

Now Upload the Objects

Click on the Bucket Name → Click Upload



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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)

[Remove](#)[Add files](#)[Add folder](#)

All files and folders in this table will be uploaded.

[<](#) 1 [>](#)

<input type="checkbox"/>	Name ▾	Folder ▾	Type ▾	Size ▾
<input type="checkbox"/>	Dev1_credentials.csv	-	text/csv	115.0 B
<input type="checkbox"/>	awsproject1-main.zip	-	application/x-zip-co...	769.7 KB
<input type="checkbox"/>	Lambda start and st...	-	image/png	791.7 KB
<input type="checkbox"/>	AWS Cloud Solution ...	-	application/vnd.ope...	212.4 KB
<input type="checkbox"/>	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

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 Upload succeeded
View details below.


Upload: status

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

Summary

Destination
s3://ravifilestorage






Succeeded
 5 files, 90.8 MB (100.00%)

Failed
 0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (5 Total, 90.8 MB)

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