

## Module 5: S3 Assignment - 1

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You have been asked to:

1. Create an S3 bucket
  2. Upload 2 objects
-

## 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.

### 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](#)

### How it works



### 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](#)

[View pricing details](#)

### Resources

[User guide](#)

[API reference](#)

# Create bucket Info

Buckets are containers for data stored in S3. [Learn more](#)

## General configuration

### Bucket name

Bucket name must be globally unique and must not contain spaces or uppercase letters. See [rules for bucket naming](#)

### AWS Region



### 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

## 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.

#### **Block public access to buckets and objects granted through new access control lists (ACLs)**

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

#### **Block public access to buckets and objects granted through any access control lists (ACLs)**

S3 will ignore all ACLs that grant public access to buckets and objects.

#### **Block public access to buckets and objects granted through new public bucket or access point policies**

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

#### **Block public and cross-account access to buckets and objects through any public bucket or access point policies**

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

## 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

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### Bucket Versioning

- Disable
- Enable

## Tags (0) - *optional*

Track storage cost or other criteria by tagging your bucket. [Learn more](#)

No tags associated with this bucket.

[Add tag](#)

## Default encryption

Automatically encrypt new objects stored in this bucket. [Learn more](#)

### Server-side encryption

- Disable
- Enable

## ► Advanced settings

[Add tag](#)

## Default encryption

Automatically encrypt new objects stored in this bucket. [Learn more](#)

### Server-side encryption

- Disable
- Enable

## ▼ Advanced settings

### Object Lock

Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. [Learn more](#)

- Disable
- Enable

Permanently allows objects in this bucket to be locked. Additional Object Lock configuration is required in bucket details after bucket creation to protect objects in this bucket from being deleted or overwritten.

Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Bucket Versioning.

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

[Cancel](#)[Create bucket](#)

[View details](#)

✓ Successfully created bucket "vaibhav-s3-bucket01"

To upload files and folders, or to configure additional bucket settings choose [View details](#).

[Start now](#)

ⓘ Earn an AWS Learning Badge to showcase your knowledge of S3.

Amazon S3 > Buckets

### ▶ Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

Buckets (1) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

[Copy ARN](#)[Empty](#)[Delete](#)[Create bucket](#) [1](#) 

Find buckets by name

Name	AWS Region	Access	Creation date
vaibhav-s3-bucket01	US East (N. Virginia) us-east-1	Bucket and objects not public	October 15, 2022, 14:36:55 (UTC+05:30)

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Amazon S3 > Buckets > vaibhav-s3-bucket01

## vaibhav-s3-bucket01 Info

Objects

Properties

Permissions

Metrics

Management

Access Points

### Objects (0)

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](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
------	------	---------------	------	---------------

No objects

You don't have any objects in this bucket.

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 folders**.

## Files and folders (0)

All files and folders in this table will be uploaded.

Find by name



Name



Folder



Type



Size

< 1 >

No files or folders

You have not chosen any files or folders to upload.

## Destination

### Destination

<s3://vaibhav-s3-bucket01>

#### ▶ Destination details

Bucket settings that impact new objects stored in the specified destination.

## 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 folders**.

### Files and folders (2 Total, 502.6 KB)

All files and folders in this table will be uploaded.

Find by name

1

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	Final updated resume01.pdf	-	application/pdf	470.8 KB
<input type="checkbox"/>	Vaibhav_Verma.jpg	-	image/jpeg	31.8 KB

### Destination

#### Destination

s3://vaibhav-s3-bucket01

#### ▶ Destination details

Bucket settings that impact new objects stored in the specified destination.

#### ▶ Permissions



Services



S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose Add files, or Add folders.

## Files and folders (2 Total, 502.6 KB)

All files and folders in this table will be uploaded.

[Remove](#)[Add files](#)[Add folder](#) Find by name

&lt; 1 &gt;

<input checked="" type="checkbox"/>	Name	Folder	Type	Size
<input checked="" type="checkbox"/>	Final updated resume01.pdf	-	application/pdf	470.8 KB
<input checked="" type="checkbox"/>	Vaibhav_Verma.jpg	-	image/jpeg	31.8 KB

## Destination

### Destination

<s3://vaibhav-s3-bucket01>

#### ▶ 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](#)

✓ Upload succeeded  
View details below.

## Upload: status

Close

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

### Summary

Destination  
s3://vaibhav-s3-bucket01

Succeeded  
✓ 2 files, 502.6 KB (100.00%)

Failed  
✗ 0 files, 0 B (0%)

Files and folders

Configuration

### Files and folders (2 Total, 502.6 KB)

Find by name

< 1 >

Name	Folder	Type	Size	Status	Error
Final updated resume01.pdf	-	application/pdf	470.8 KB	✓ Succeeded	-
Vaibhav_Verma.jpg	-	image/jpeg	31.8 KB	✓ Succeeded	-

Start now



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Amazon S3 &gt; Buckets &gt; vaibhav-s3-bucket01

vaibhav-s3-bucket01 Info[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

## Objects (2)

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](#)

 [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#) Find objects by prefix [<](#) [1](#)  [>](#)  [⌂](#)

<input checked="" type="checkbox"/> Name	Type	Last modified	Size	Storage class
Final updated resume01.pdf	pdf	October 15, 2022, 14:58:23 (UTC+05:30)	470.8 KB	Standard
Vaibhav_Verma.jpg	jpg	October 15, 2022, 14:58:24 (UTC+05:30)	31.8 KB	Standard