

# **S3-Bucket-Creation-Assignment--1**

## Create bucket [Info](#)

Buckets are containers for data stored in S3.

### General configuration

AWS Region

US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ General purpose

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ Directory - New

Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

s3assignmentpart-a03042024

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

### 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

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

Cancel

Create bucket

▶ Account snapshot

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

View Storage Lens dashboard

General purpose buckets

Directory buckets

General purpose buckets (1)

Info

Buckets are containers for data stored in S3.

↺

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

<

1

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⚙

	Name	AWS Region	Access	Creation date
○	s3assignmentpart-a03042024	US East (N. Virginia) us-east-1	<u>Bucket and objects not public</u>	April 3, 2024, 14:07:29 (UTC+05:30)

s3assignmentpart-a03042024

Info

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (0)

Info

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

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⚙

	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 folder**.

### Files and folders (5 Total, 755.2 KB)

[Remove](#)

[Add files](#)

[Add folder](#)

All files and folders in this table will be uploaded.

< 1 >

<input type="checkbox"/>	Name	Folder
<input type="checkbox"/>	bank.csv	-
<input type="checkbox"/>	S3 -2.png	-
<input type="checkbox"/>	S3-3.txt	-
<input type="checkbox"/>	S3-4.docx	-
<input type="checkbox"/>	S3-Bucket-Creation-Assignment---1.pdf	-

### Destination [Info](#)

#### Destination

[s3://s3assignmentpart-a03042024](#)

#### ► 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: status

Close

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

## Summary

Destination	Succeeded	Failed
s3://s3assignmentpart-a03042024	✔ 5 files, 755.2 KB (100.00%)	⌵ 0 files, 0 B (0%)

Files and folders

Configuration

## Files and folders (5 Total, 755.2 KB)

🔍 Find by name

Name	Folder	Type	Size	Status	Error
bank.csv	-	text/csv	552.2 KB	✔ Succeeded	-
S3 -2.png	-	image/png	43.5 KB	✔ Succeeded	-
S3-3.txt	-	text/plain	127.0 B	✔ Succeeded	-
S3-4.docx	-	application/...	12.0 KB	✔ Succeeded	-
S3-Bucket-C...	-	application/...	147.3 KB	✔ Succeeded	-






# s3assignmentpart-a03042024 Info

- Objects
- Properties
- Permissions
- Metrics
- Management
- Access Points

## Objects (5) Info

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](#)

Find objects by prefix

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	 <a href="#">bank.csv</a>	csv	April 3, 2024, 14:16:22 (UTC+05:30)	552.2 KB	Standard
<input type="checkbox"/>	 <a href="#">S3 -2.png</a>	png	April 3, 2024, 14:16:23 (UTC+05:30)	43.5 KB	Standard
<input type="checkbox"/>	 <a href="#">S3-3.txt</a>	txt	April 3, 2024, 14:16:24 (UTC+05:30)	127.0 B	Standard
<input type="checkbox"/>	 <a href="#">S3-4.docx</a>	docx	April 3, 2024, 14:16:25 (UTC+05:30)	12.0 KB	Standard
<input type="checkbox"/>	 <a href="#">S3-Bucket-Creation-Assignment---1.pdf</a>	pdf	April 3, 2024, 14:16:26 (UTC+05:30)	147.3 KB	Standard

## **S3-Bucket-Versioning-Assignment--2**

## Edit Bucket Versioning [Info](#)

### 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

☐ Suspend

This suspends the creation of object versions for all operations but preserves any existing object versions.

☒ Enable

After enabling Bucket Versioning, you might need to update your lifecycle rules to manage previous versions of objects.

#### Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Cancel

Save changes

### Successfully edited Bucket Versioning

To transition, archive, or delete older object versions, [configure lifecycle rules](#) for this bucket.

## s3assignmentpart-a03042024 [Info](#)

Objects

Properties

Permissions

Metrics

Management

Access Points

### Bucket overview

AWS Region

US East (N. Virginia) us-east-1

Amazon Resource Name (ARN)

arn:aws:s3:::s3assignmentpart-a03042024

Creation date

April 3, 2024, 14:07:29 (UTC+05:30)

### Bucket Versioning

Edit

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

Enabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled



# s3assignmentpart-a03042024 Info

- Objects
- Properties
- Permissions
- Metrics
- Management
- Access Points

## Objects (5) Info



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](#)



Find objects by prefix



Show versions



1



<input type="checkbox"/>	Name ▲	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	bank.csv	csv	null	April 3, 2024, 14:16:22 (UTC+05:30)	552.2 KB	Standard
<input type="checkbox"/>	S3 -2.png	png	null	April 3, 2024, 14:16:23 (UTC+05:30)	43.5 KB	Standard
<input type="checkbox"/>	S3-3.txt	txt	null	April 3, 2024, 14:16:24 (UTC+05:30)	127.0 B	Standard
<input type="checkbox"/>	S3-4.docx	docx	null	April 3, 2024, 14:16:25 (UTC+05:30)	12.0 KB	Standard
<input type="checkbox"/>	S3-Bucket-Creation-Assignment---1.pdf	pdf	null	April 3, 2024, 14:16:26 (UTC+05:30)	147.3 KB	Standard

## 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 (2 Total, 12.3 KB)

Remove

Add files

Add folder

All files and folders in this table will be uploaded.

< 1 >

<input checked="" type="checkbox"/>	Name	Folder
<input checked="" type="checkbox"/>	S3-3.txt	-
<input checked="" type="checkbox"/>	S3-4.docx	-

## Destination [Info](#)

Destination

[s3://s3assignmentpart-a03042024](#)

### ► 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://s3assignmentpart-a03042024	Succeeded ✔ 2 files, 12.3 KB (100.00%)	Failed ⋯ 0 files, 0 B (0%)
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Files and folders | Configuration

## Files and folders (2 Total, 12.3 KB)

< 1 >

Name	Folder	Type	Size	Status	Error
S3-3.txt	-	text/plain	180.0 B	✔ Succeeded	-
S3-4.docx	-	application/...	12.2 KB	✔ Succeeded	-

# s3assignmentpart-a03042024 Info

- Objects
- Properties
- Permissions
- Metrics
- Management
- Access Points

## Objects (7) Info

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](#)

Q

Find objects by prefix

☒ Show versions

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	bank.csv	csv	null	April 3, 2024, 14:16:22 (UTC+05:30)	552.2 KB	Standard
<input type="checkbox"/>	S3 -2.png	png	null	April 3, 2024, 14:16:23 (UTC+05:30)	43.5 KB	Standard
<input type="checkbox"/>	S3-3.txt	txt	QmWizJ1ZH UgdirsxBCD vTJQgTVH5j KMd	April 3, 2024, 14:24:27 (UTC+05:30)	180.0 B	Standard
<input type="checkbox"/>	S3-3.txt	txt	null	April 3, 2024, 14:16:24 (UTC+05:30)	127.0 B	Standard
<input type="checkbox"/>	S3-4.docx	docx	hupOB9Ts5 ePNfUdSmr 2xSFLfhDX1 aTro	April 3, 2024, 14:24:28 (UTC+05:30)	12.2 KB	Standard
<input type="checkbox"/>	S3-4.docx	docx	null	April 3, 2024, 14:16:25 (UTC+05:30)	12.0 KB	Standard
<input type="checkbox"/>	S3-Bucket-Creation-Assignment---1.pdf	pdf	null	April 3, 2024, 14:16:26 (UTC+05:30)	147.3 KB	Standard

## **S3-Website-Hosting-Assignment--3**

## Edit Object Ownership [Info](#)

### Object Ownership


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.

 We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.



**Enabling ACLs turns off the bucket owner enforced setting for Object Ownership**

Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

☒ I acknowledge that ACLs will be restored.


#### Object Ownership

☒ Bucket owner preferred

If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.

☐ Object writer

The object writer remains the object owner.

 If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. [Learn more](#)

Cancel

Save changes

## Edit Block public access (bucket settings) [Info](#)

### 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 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.

Cancel

Save changes

[Amazon S3](#) > [Buckets](#) > [s3assignmentpart-a03042024](#) > Edit default encryption

## Edit default encryption [Info](#)

### Default encryption

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

Cancel

Save changes

[Amazon S3](#) > [Buckets](#) > [s3assignmentpart-a03042024](#) > 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 (2 Total, 72.2 KB)

Remove

Add files

Add folder

All files and folders in this table will be uploaded.

< 1 >

<input type="checkbox"/>	Name	Folder
<input type="checkbox"/>	div class=main-error-page.html	-
<input type="checkbox"/>	FAKEFACKBOOKINDEX.html	-

### Destination [Info](#)

Destination

s3://s3assignmentpart-a03042024

#### ► 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	Succeeded	Failed
s3://s3assignmentpart-a03042024	<div> 2 files, 72.2 KB (100.00%)</div>	<div> 0 files, 0 B (0%)</div>

Files and folders

Configuration

## Files and folders (2 Total, 72.2 KB)

Find by name

<

1

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Name	Folder	Type	Size	Status	Error
div class=m...	-	text/html	16.1 KB	<div> Succeeded</div>	-
FAKEFACKB...	-	text/html	56.0 KB	<div> Succeeded</div>	-





## Make public [Info](#)

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#).

⚠ When public read access is enabled and not blocked by Block Public Access settings, anyone in the world can access the specified objects.

### Specified objects

🔍 Find objects by name

Name	Type	Last modified	Size
 <a href="#">div class=main-error-page.html</a>	html	April 3, 2024, 14:53:26 (UTC+05:30)	16.1 KB
 <a href="#">FAKEFAKBOOKINDEX.html</a>	html	April 3, 2024, 14:53:27 (UTC+05:30)	56.0 KB

Cancel

Make public

### ✔ Successfully edited public access

View details below.

## Make public: status

Close

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

### Summary

Source

s3://s3assignmentpart-a03042024

Successfully edited public access

✔ 2 objects, 72.2 KB

Failed to edit public access

0 objects

[Failed to edit public access](#)

Configuration

### ⊖ Failed to edit public access (0)

🔍 Find objects by name

Name	Folder	Type	Last modified	Size	Error
No objects failed to edit					

# Edit static website hosting Info

## 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](#)

**i** 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](#)

### Index document

Specify the home or default page of the website.

index.html

### Error document - optional

This is returned when an error occurs.

error.html

### Redirection rules – optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

### Error document - optional

This is returned when an error occurs.

error.html

### Redirection rules – optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

1

JSON   Ln 1, Col 1   Errors: 0   Warnings: 0

Cancel

Save changes

# Create lifecycle rule [Info](#)

## Lifecycle rule configuration

Lifecycle rule name

ransition-rule

Up to 255 characters

Choose a rule scope

- ☐ Limit the scope of this rule using one or more filters
- ☒ Apply to all objects in the bucket



### Apply to all objects in the bucket

If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". [Learn more](#)

☒ I acknowledge that this rule will apply to all objects in the bucket.

## Lifecycle rule actions

Choose the actions you want this rule to perform. Per-request fees apply. [Learn more](#) or see [Amazon S3 pricing](#)

- ☒ Move current versions of objects between storage classes
- ☐ Move noncurrent versions of objects between storage classes
- ☐ Expire current versions of objects
- ☐ Permanently delete noncurrent versions of objects
- ☐ Delete expired object delete markers or incomplete multipart uploads
- These actions are not supported when filtering by object tags or object size.

## Transition current versions of objects between storage classes

Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions

Standard-IA

Days after object creation

60

Remove

Add transition

## Review transition and expiration actions

### Current version actions

Day 0

- Objects uploaded



Day 60

- Objects move to Standard-IA

### Noncurrent versions actions

Day 0

No actions defined.

Cancel

Create rule

### Transition current versions of objects between storage classes

Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions

Standard-IA

Days after object creation

60

Remove

Add transition

### Expire current versions of objects

For version-enabled buckets, Amazon S3 adds a delete marker and the current version of an object is retained as a noncurrent version. For non-versioned buckets, Amazon S3 permanently removes the object. [Learn more](#)

Days after object creation

200

### Review transition and expiration actions

#### Current version actions

Day 0

- Objects uploaded



Day 60

- Objects move to Standard-IA



Day 200

- Objects expire

#### Noncurrent versions actions

Day 0

No actions defined.

Cancel

Create rule

🟢 The lifecycle configuration was updated. Lifecycle rule "ransition-rule" was successfully added.  
It may take some time for the configuration to be updated. Press the refresh button if changes to the rule are not displayed.

[Amazon S3](#) > [Buckets](#) > [s3assignmentpart-a03042024](#) > Lifecycle configuration

## Lifecycle configuration [Info](#)

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

Lifecycle rules (1)

🔄

View details

Edit

Delete

Actions ▼

Create lifecycle rule

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

🔍 Find lifecycle rules by name

< 1 > ⚙️

	Lifecycle rule name ▼	Status ▼	Scope ▼	Current version actions ▼	Noncurrent versions actions ▼	Expired object dele
<input type="radio"/>	<a href="#">ransition-rule</a>	🟢 Enabled	Entire bucket	Transition to Standard-IA, then expires	-	-