

# Module 3 Challenge Lab: Creating a Static Website for the Café

mybucket22145

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

Objects can be public

mybucket22145 [Info](#)

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (3)

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 type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-
<input type="checkbox"/>	images/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	October 25, 2022, 12:19:50 (UTC+06:30)	2.9 KB	Standard

## Bucket Policy



## AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to [Amazon Web Services \(AWS\)](#) products and resources. For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are [sample policies](#).

### Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an [IAM Policy](#), an [S3 Bucket Policy](#), an [SNS Topic Policy](#), a [VPC Endpoint Policy](#), and an [SQS Queue Policy](#).

Select Type of Policy SQS Queue Policy ▾

### Step 2: Add Statement(s)

A statement is the formal description of a single permission. See [a description of elements](#) that you can use in statements.

Effect ☒ Allow ☐ Deny

Principal

Use a comma to separate multiple values.

AWS Service Amazon SQS ▾ ☐ All Services (\*)

[Add Conditions \(Optional\)](#)

Add Statement

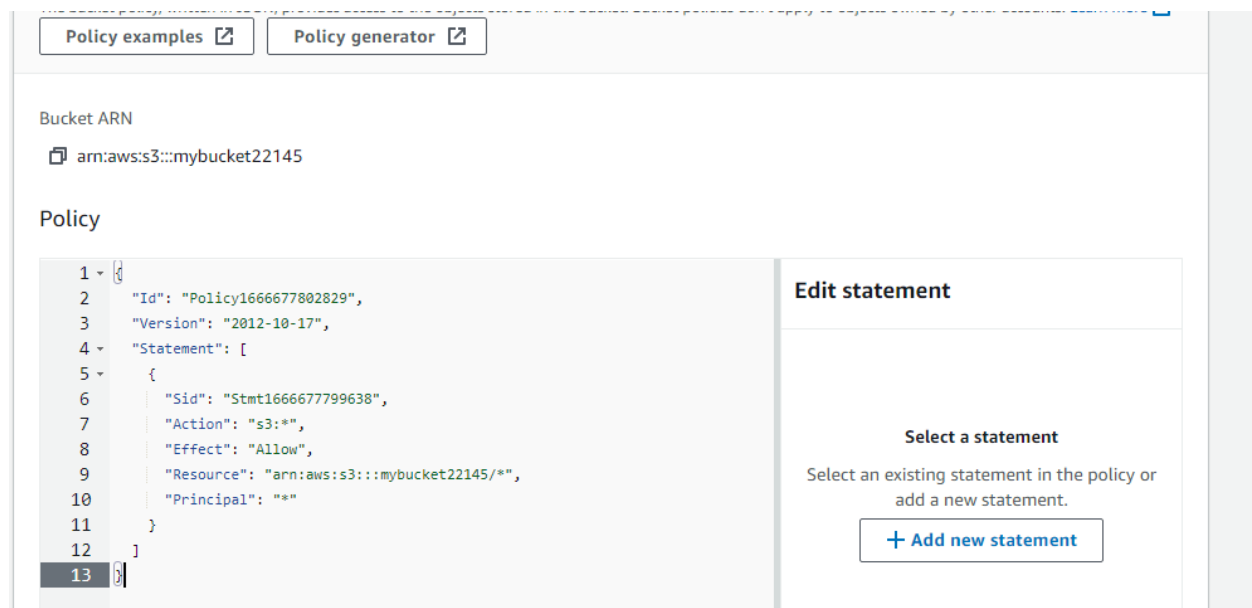
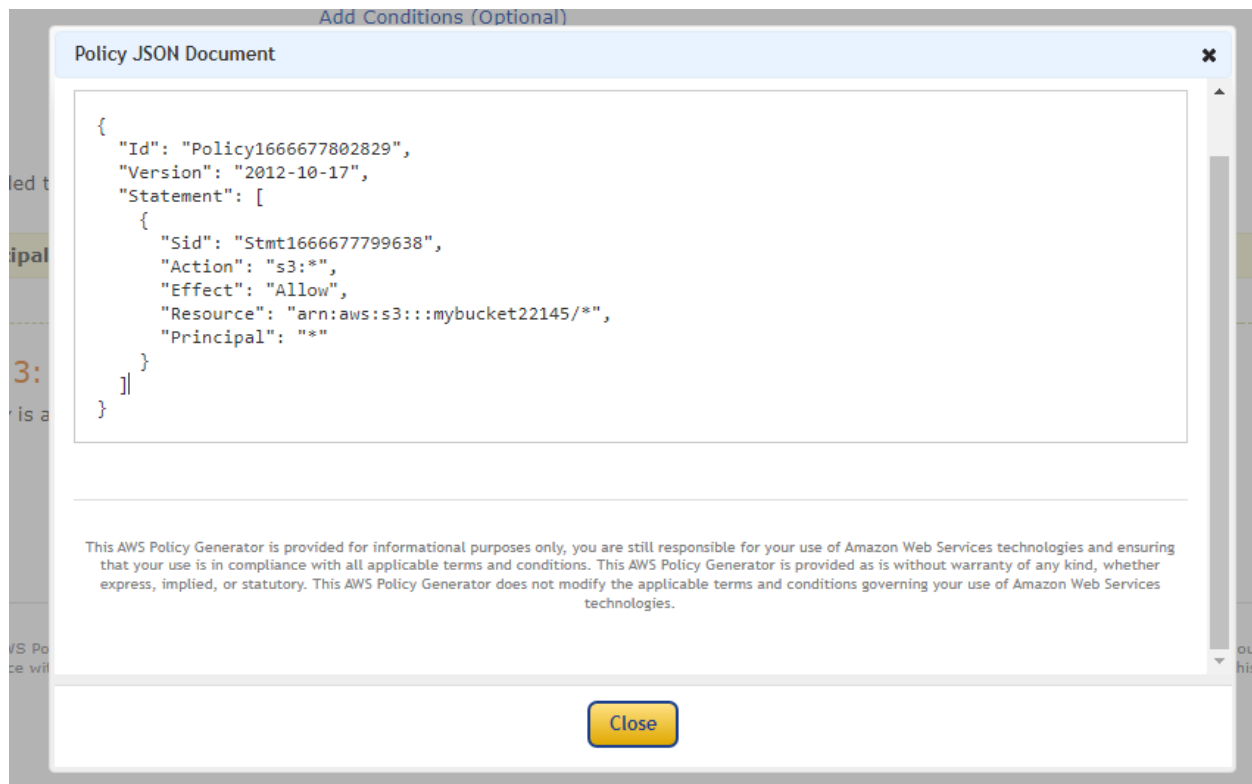
You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
• *	Allow	s3:*	arn:aws:s3:::mybucket22145/*	None

### Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

Generate Policy Start Over



# Café



The Café offers an assortment of delicious and delectable pastries and coffees that will put a smile on your face. From cookies to croissants, tarts and cakes, each treat is specially prepared to excite your tastebuds and brighten your day!

✓ Successfully edited bucket policy.

Publicly accessible

Objects | Properties | **Permissions** | Metrics | Management | Access Points

## Permissions overview

Access  
 Public

### 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](#)

Bucket versioning

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Bucket overview

AWS Region

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


Amazon Resource Name (ARN)

 arn:aws:s3:::mybucket22145

Creation date

October 25, 2022, 12:18:37 (UTC+06:30)


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](#) 

Edit

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.

 **Successfully edited Bucket Versioning**

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



Amazon S3 > Buckets > mybucket22145

mybucket22145

[Info](#)

Publicly accessible

Objects

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Bucket overview

## versioning

### Objects (4)

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

Create folder Upload

Show versions < 1 >

<input type="checkbox"/>	Name ▲	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-	-
<input type="checkbox"/>	images/	Folder	-	-	-	-
<input type="checkbox"/>	index.html	html	vcO237MEsRsdoTpxaDr0bQFk.l8N1VyZ	October 25, 2022, 12:42:59 (UTC+06:30)	2.9 KB	Standard
<input type="checkbox"/>	index.html	html	null	October 25, 2022, 12:19:50 (UTC+06:30)	2.9 KB	Standard

## Setting lifecycle policy

Objects | Properties | Permissions | Metrics | **Management** | Access Points

### Lifecycle rules (0)

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 [Learn more](#)

View details Edit Delete Actions Create lifecycle rule

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Exp ma
No lifecycle rules					
There are no lifecycle rules for this bucket.					
Create lifecycle rule					

## Create two rules

## Lifecycle rule configuration

Lifecycle rule name

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

## 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.

## Permanently delete noncurrent versions of objects

Choose when Amazon S3 permanently deletes specified noncurrent versions of objects. [Learn more](#)

Days after objects become noncurrent

Number of newer versions to retain - *Optional*

Can be up to 100 versions. All other noncurrent versions will be

	Lifecycle rule name ▾	Status ▾	Scope ▾	Current version actions ▾	Noncurrent versions actions ▾	Expired object delete markers ▾	Incomplete multipart uploads ▾
<input type="radio"/>	myrules	✔ Enabled	Filtered	Transition to Standard-IA	-	-	-
<input type="radio"/>	myrule2	✔ Enabled	Filtered	-	Permanently delete	-	-

Cross region replication

Create destination new bucket

destinedbucket123 [Info](#)**Objects**

Properties

Permissions











Metrics

Management

Access Points

**Objects (0)**





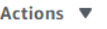

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

  **Copy S3 URI**  **Copy URL**  **Download**  **Open** **Delete**  **Actions**  **Create folder**  **Upload**   **Show versions**  **1**  

Create replication policy at source bucket

**Replication rules (0)**

Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. [Learn more](#)

  **View details**  **Edit rule**  **Delete**  **Actions**  **Create replication rule**Replication  
rule name

Status

Destination  
bucketDestination  
Region

Priority

Scope

Storage  
classReplica  
ownerReplication  
Time  
ControlK  
e  
o**No replication rules**

You don't have any rules in the replication configuration.

**Create replication rule**



## Create replication rule

### Replication rule configuration

Replication rule name

rule1

Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.

Status

Choose whether the rule will be enabled or disabled when created.

- ☒ Enabled  
☐ Disabled

Priority

The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.

0

Grant all

### Source bucket

Source bucket name

mybucket22145

Source Region

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

Choose a rule scope

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

## Destination

### Destination

You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. [Learn more](#) or see [Amazon S3 pricing](#)

- ☒ Choose a bucket in this account
- ☐ Specify a bucket in another account

### Bucket name

Choose the bucket that will receive replicated objects.

[Browse S3](#)

### Destination Region

US East (Ohio) us-east-2

## IAM role

- ☒ Choose from existing IAM roles
- ☐ Enter IAM role ARN

### IAM role

[View](#)

## Replicate existing objects?



You can enable a one-time Batch Operations job from this replication configuration to replicate objects that already exist in the bucket and to synchronize the source and destination buckets. [Learn more](#) or see [pricing](#)


### Existing objects


- ☐ No, do not replicate existing objects.
- ☒ Yes, replicate existing objects.

[Cancel](#)[Submit](#)

### Replication rules (1)

Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. [Learn more](#)

 [View details](#) [Edit rule](#) [Delete](#) [Actions](#) [Create replication rule](#)

< 1 > 

	Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class
<input type="radio"/>	rule1	Enabled	s3://destinedbucket123	US East (Ohio) us-east-2	0	Entire bucket	Same as source


But you can't see anything in destined bucket

## destinedbucket123 [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](#)

☐ Show versions < 1 > 

	Name	Type	Last modified	Size	Storage class
No objects					
You don't have any objects in this bucket.					

Change index.html a little bit and upload in source bucket to show how destined bucket react with that

In source bucket

Objects (5)

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](#)

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Copy S3 URI

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Copy URL

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Download

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Open

🗑️

Delete

⌵

Actions

➕

Create folder

📁

Upload

🔍

Find objects by prefix

🔘




Show versions

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1

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⚙️

<input type="checkbox"/>	Name ▲	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-	-
<input type="checkbox"/>	images/	Folder	-	-	-	-
<input type="checkbox"/>	 index.html	html	rzGqA2v6HTuzYEiGCNbzZplBHaL.7YrU	October 25, 2022, 12:57:59 (UTC+06:30)	2.9 KB	Standard
<input type="checkbox"/>	 index.html	html	vcO237MEsRsdoTpxaDr0bQFk.l8N1VyZ	October 25, 2022, 12:42:59 (UTC+06:30)	2.9 KB	Standard
<input type="checkbox"/>	 index.html	html	null	October 25, 2022, 12:19:50 (UTC+06:30)	2.9 KB	Standard

destinedbucket123 [Info](#)

Objects

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Objects (1)

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↻

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Copy S3 URI

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Copy URL

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Download

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Open

🗑️

Delete

⌵

Actions

➕

Create folder

📁

Upload

🔍

Find objects by prefix

🔘


Show versions

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1



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⚙️



<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	 index.html	html	October 25, 2022, 12:57:59 (UTC+06:30)	2.9 KB	Standard






Go to source bucket and delete the latest version

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

 Show versions < 1 > 



	Name 	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-	-
<input type="checkbox"/>	images/	Folder	-	-	-	-
<input checked="" type="checkbox"/>	 index.html	html	rzGqA2v6HTuzYEiGCNbzZpIBHaL.7YrU	October 25, 2022, 12:57:59 (UTC+06:30)	2.9 KB	Standard
<input type="checkbox"/>	 index.html	html	vcO237MEsRsdoTpxaDrObQFk.l8N1VyZ	October 25, 2022, 12:42:59 (UTC+06:30)	2.9 KB	Standard
<input type="checkbox"/>	 index.html	html	null	October 25, 2022, 12:19:50 (UTC+06:30)	2.9 KB	Standard

- Deleting the specified objects can't be undone.

[Learn more](#)

### Specified objects

< 1 >

Name 	Version ID	Type	Last modified	Size
 index.html	rzGqA2v6HTuzYEiGCNbzZpIBHaL.7YrU	html	October 25, 2022, 12:57:59 (UTC+06:30)	2.9 KB

### Permanently delete objects?

To confirm deletion, type *permanently delete* in the text input field.

Cancel

Delete objects

In source

<input type="checkbox"/>	Name ▲	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-	-
<input type="checkbox"/>	images/	Folder	-	-	-	-
<input type="checkbox"/>	index.html	html	vcO237MEsRsdOTpxaDr0bQFk.l8N1VyZ	October 25, 2022, 12:42:59 (UTC+06:30)	2.9 KB	Standard
<input type="checkbox"/>	index.html	html	null	October 25, 2022, 12:19:50 (UTC+06:30)	2.9 KB	Standard

In destined bucket, it still left

## destinedbucket123 [Info](#)

Objects

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☐ Show versions

1

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	index.html	html	October 25, 2022, 12:57:59 (UTC+06:30)	2.9 KB	Standard