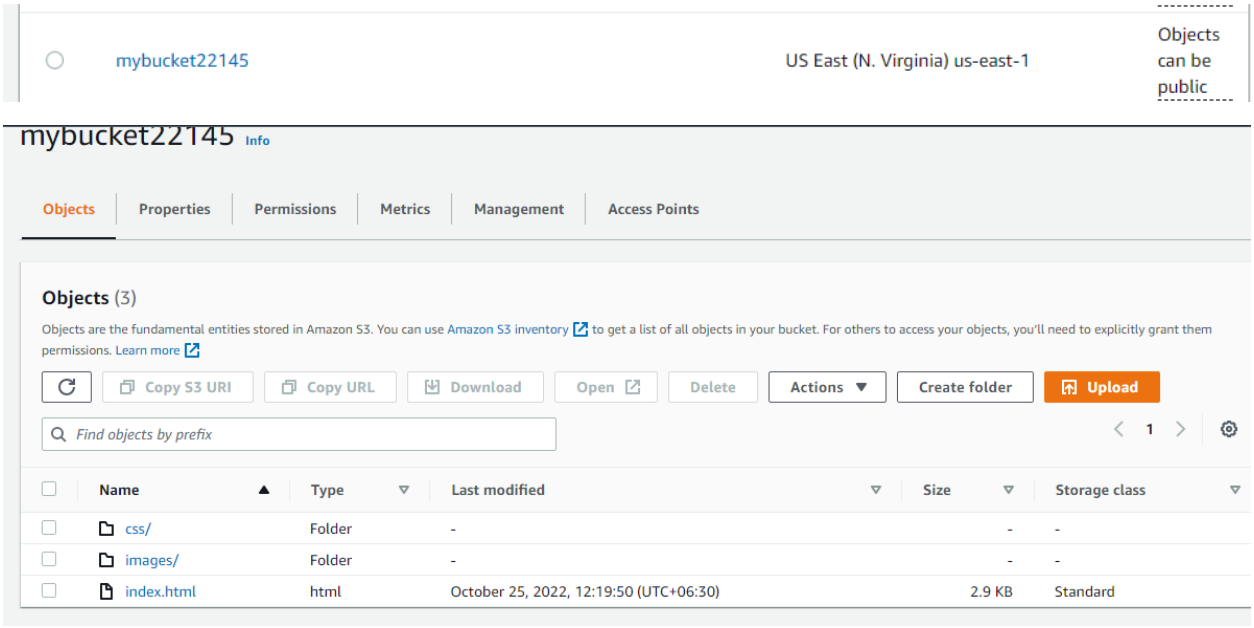
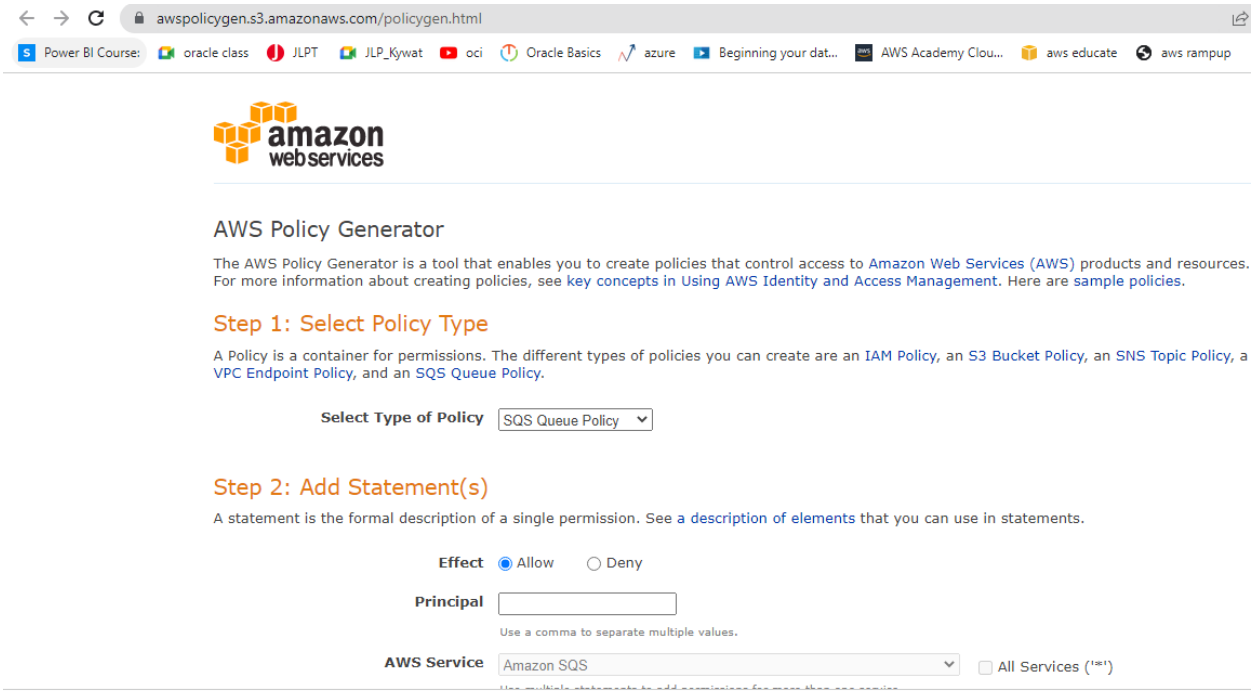
Module 3 Challenge Lab: Creating a Static Website for the Café



Bucket Policy



Add Conditions (Optional)

Add Statement

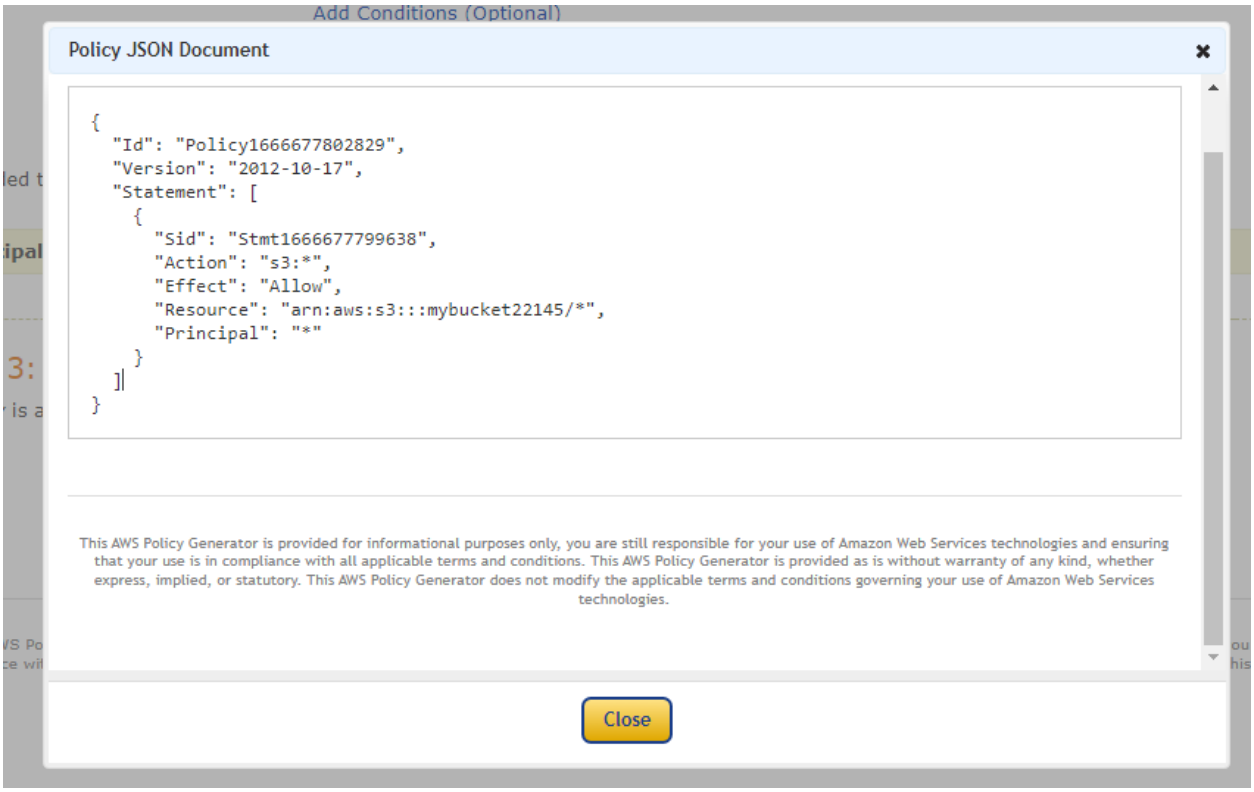
You added the following statements. Click the button below to Generate a policy.

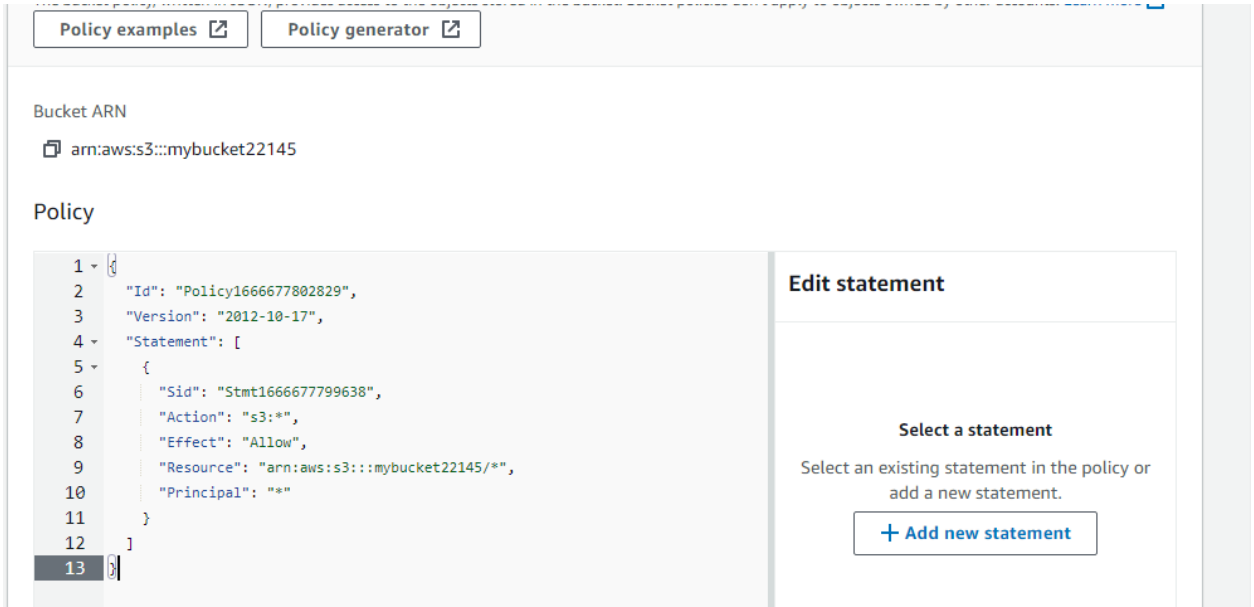
Principal(s)	Effect	Action	Resource	Conditions
• *	Allow	s3:*	arn:aws:s3:::mybucket22145/*	*None*

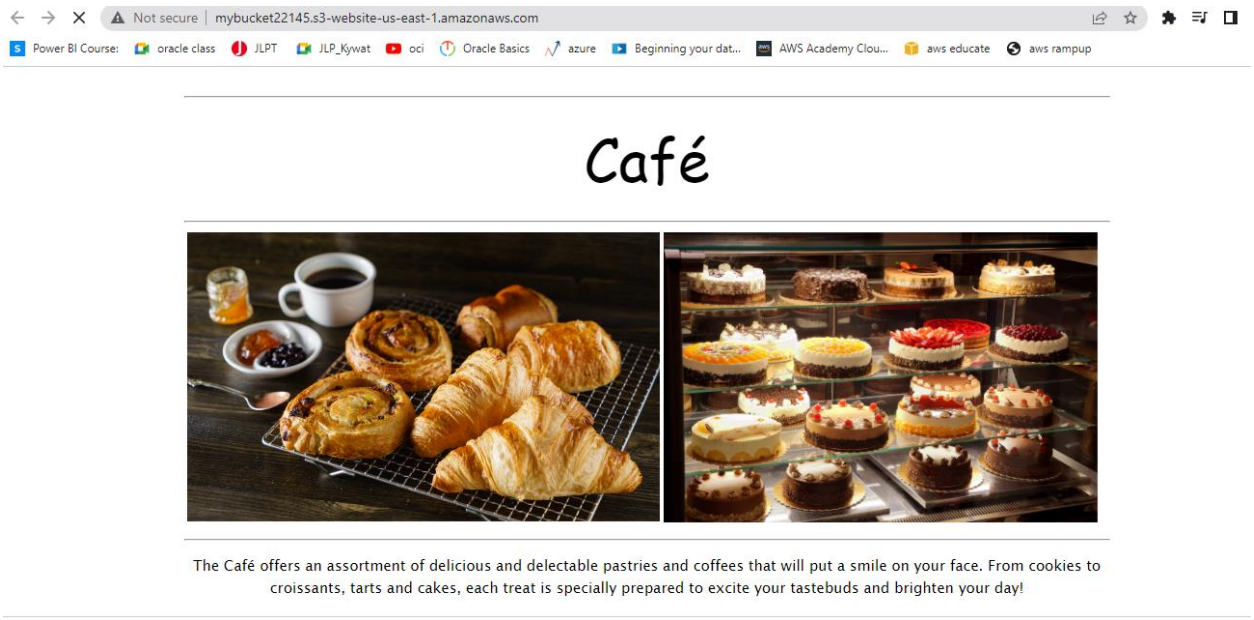
Step 3: Generate Policy

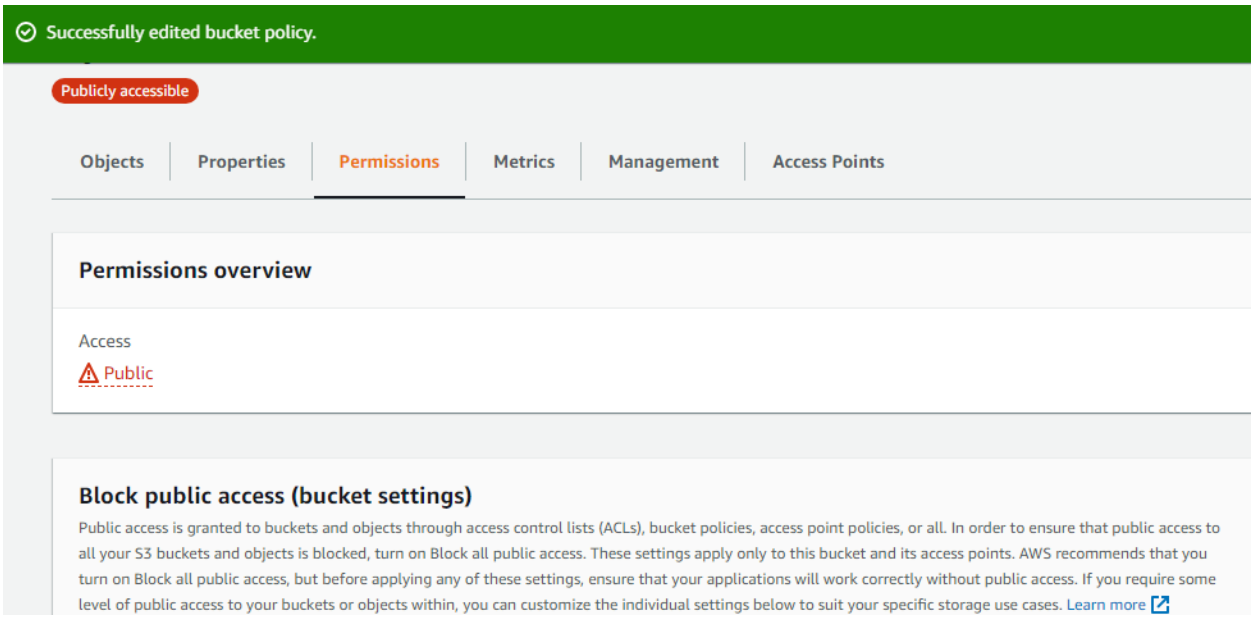
A *policy* is a document (written in the Access Policy Language) that acts as a container for one or more statements.

Generate Policy Start Over

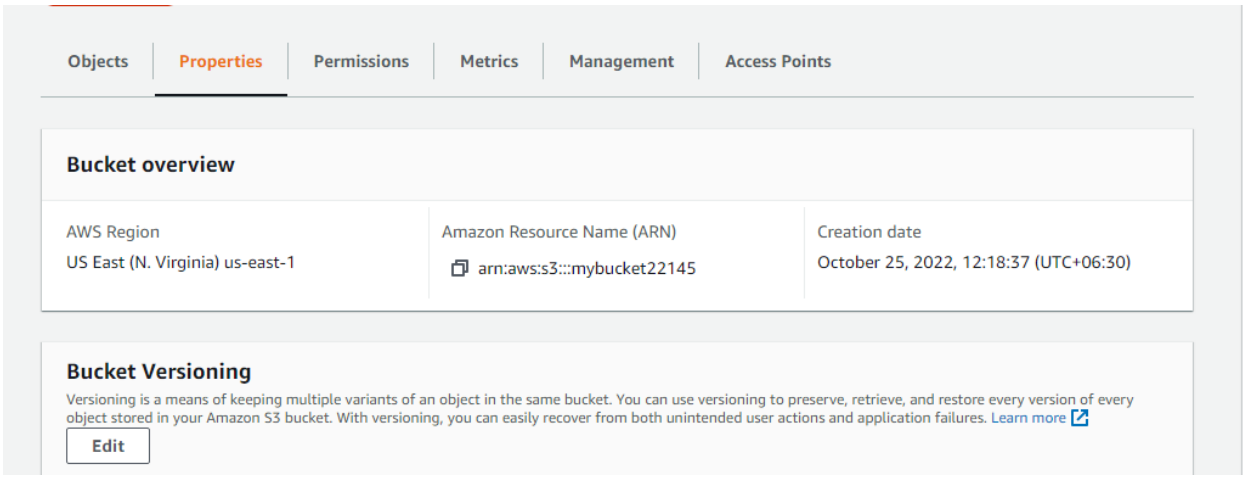

Add Conditions (Optional)
Policy JSON Document
{
"Id": "Policy1666677802829",
"Version": "2012-10-17",
"Statement": [
{
"Sid": "Stmt1666677799638",
"Action": "s3:*",
"Effect": "Allow",
"Resource": "arn:aws:s3:::mybucket22145/*",
"Principal": "*"
}
]
}
This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that your use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided as is without warranty of any kind, whether express, implied, or statutory. This AWS Policy Generator does not modify the applicable terms and conditions governing your use of Amazon Web Services technologies.
Close

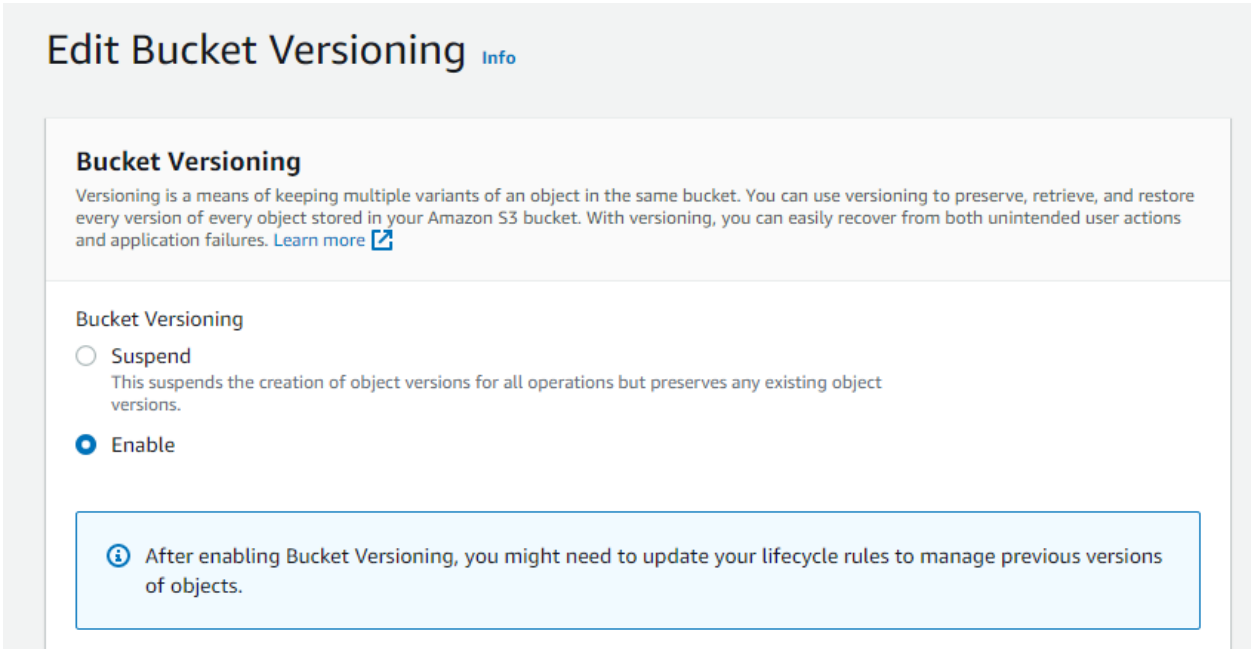

Policy examples
Policy generator
Bucket ARN
arn:aws:s3:::mybucket22145
Policy
1 {
2 "Id": "Policy1666677802829",
3 "Version": "2012-10-17",
4 "Statement": [
5 {
6 "Sid": "Stmt1666677799638",
7 "Action": "s3:*",
8 "Effect": "Allow",
9 "Resource": "arn:aws:s3:::mybucket22145/*",
10 "Principal": "*"
11 }
12]
13 }
Edit statement
Select a statement
Select an existing statement in the policy or add a new statement.
+ Add new statement

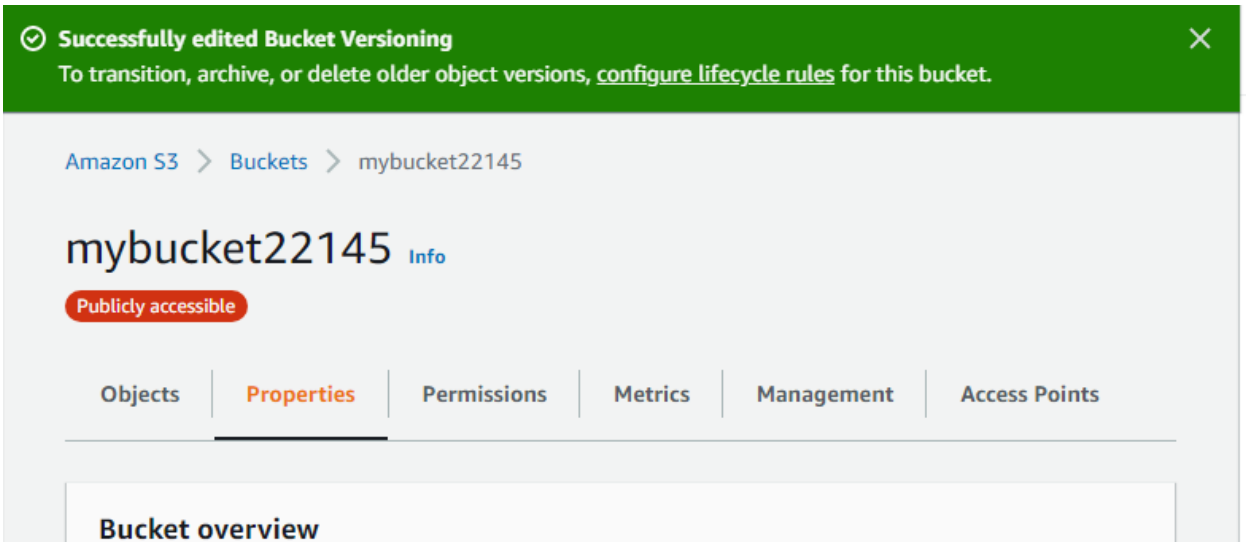




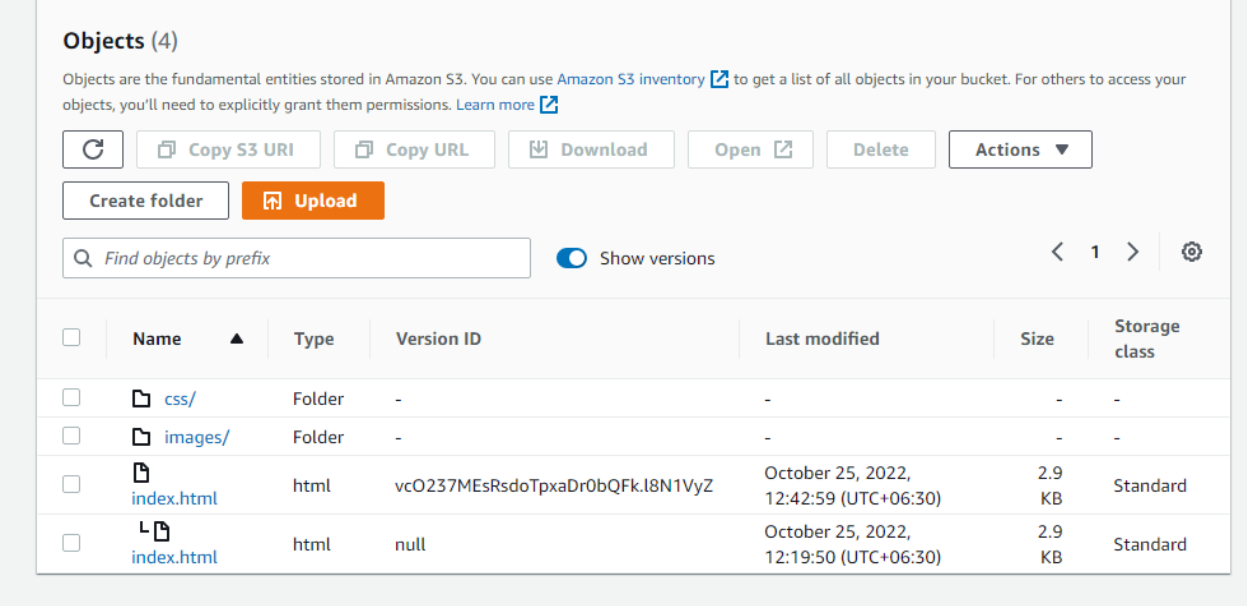
Bucket versioning


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:::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

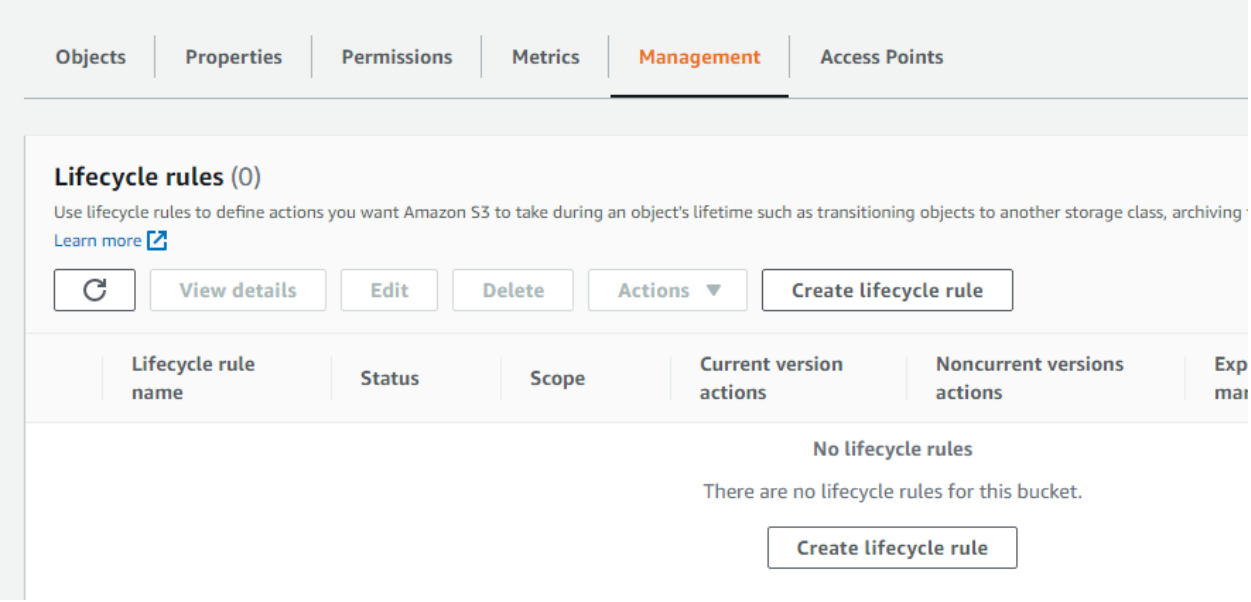

Edit Bucket Versioning Info
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both 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
Properties
Permissions
Metrics
Management
Access Points
Bucket overview

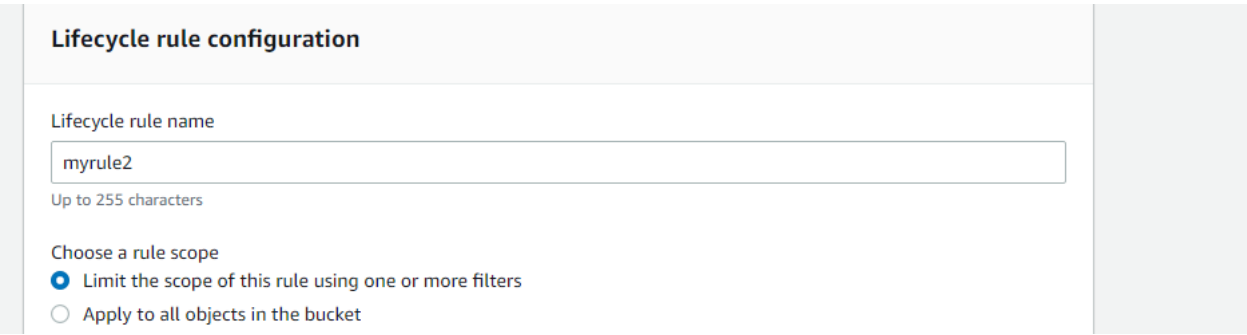
versioning

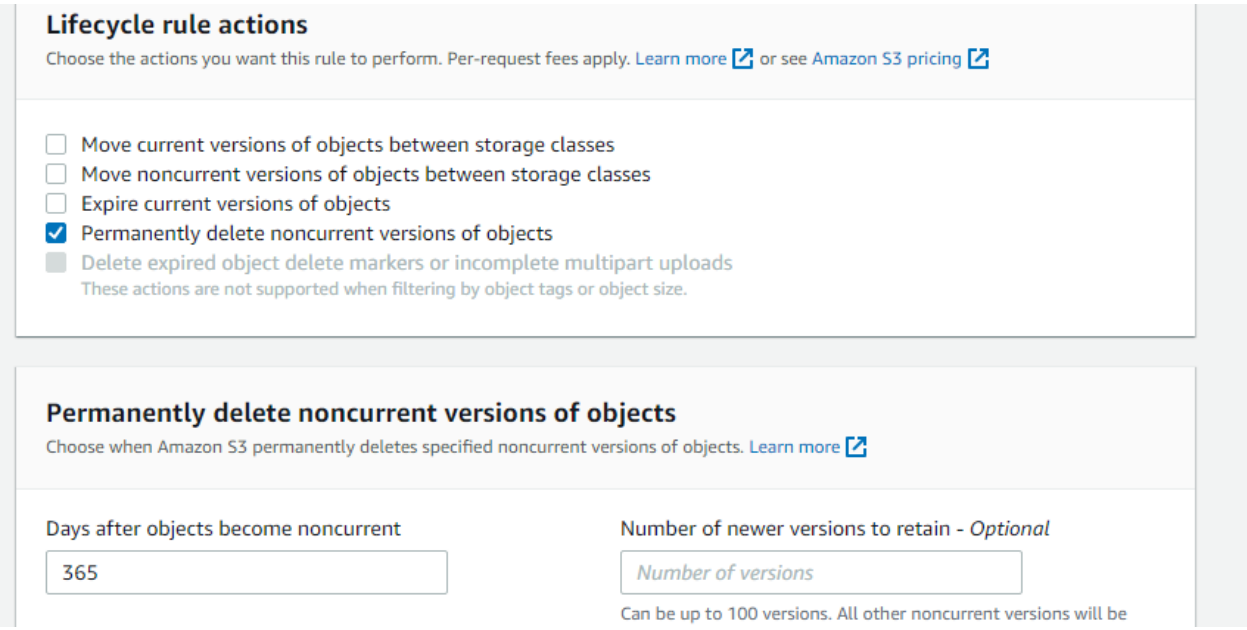


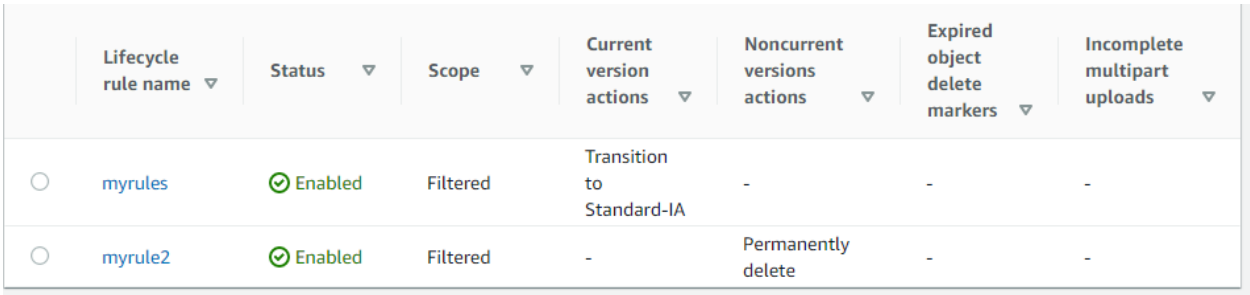
Setting lifecyle policy



Create two rules



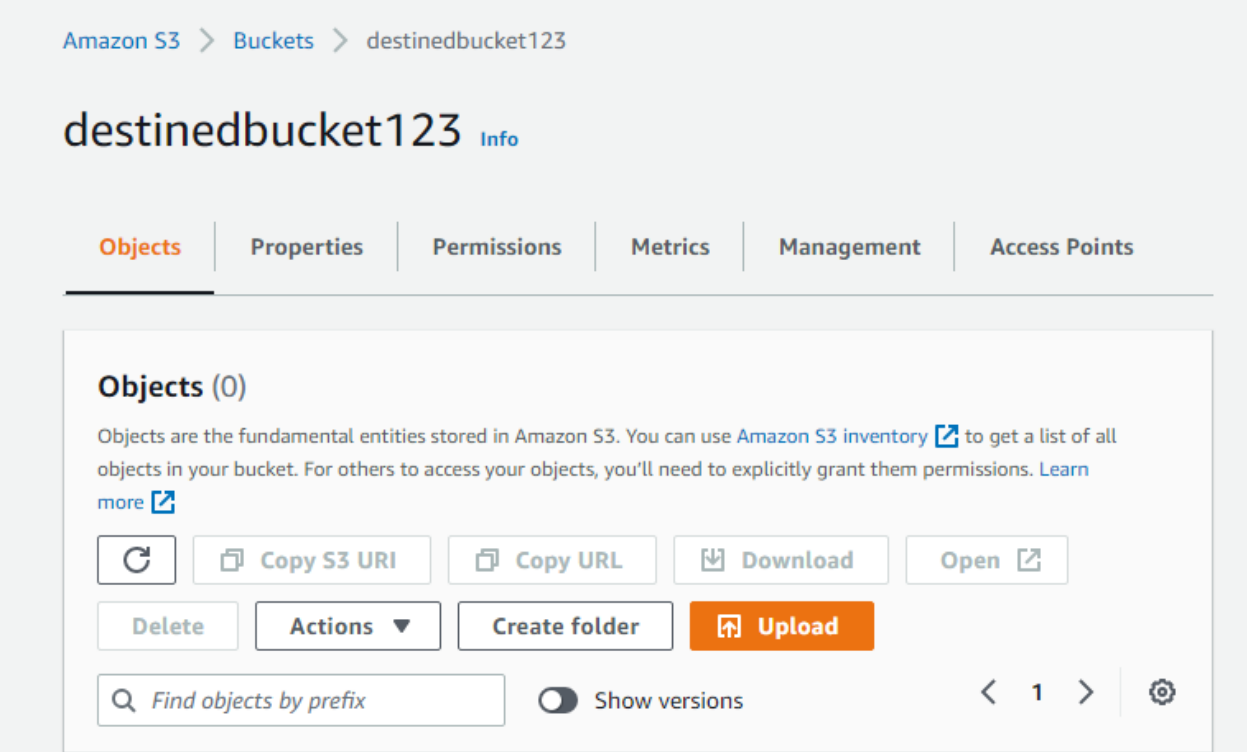




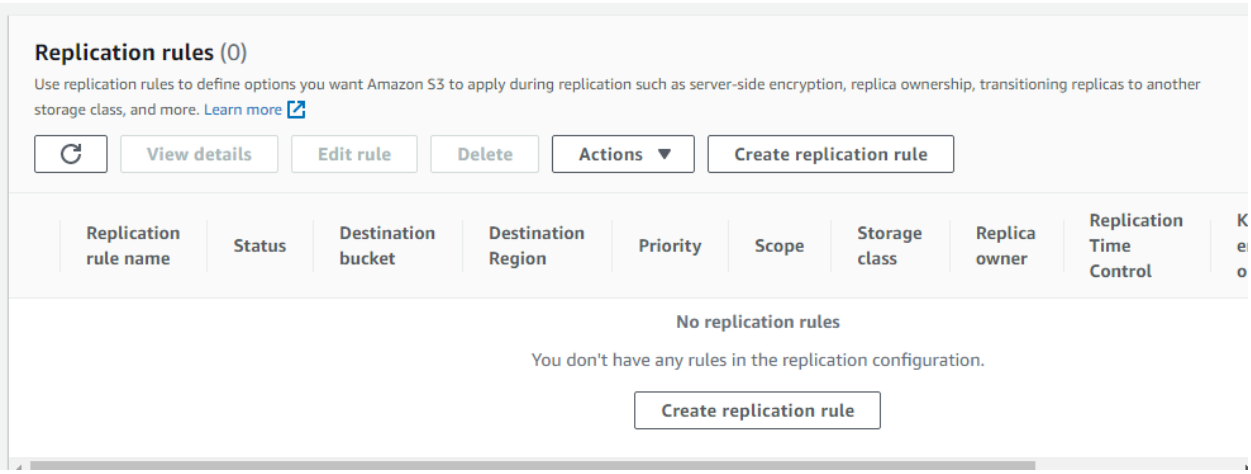
	Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
○	myrules	Enabled	Filtered	Transition to Standard-IA	-	-	-
○	myrule2	Enabled	Filtered	-	Permanently delete	-	-

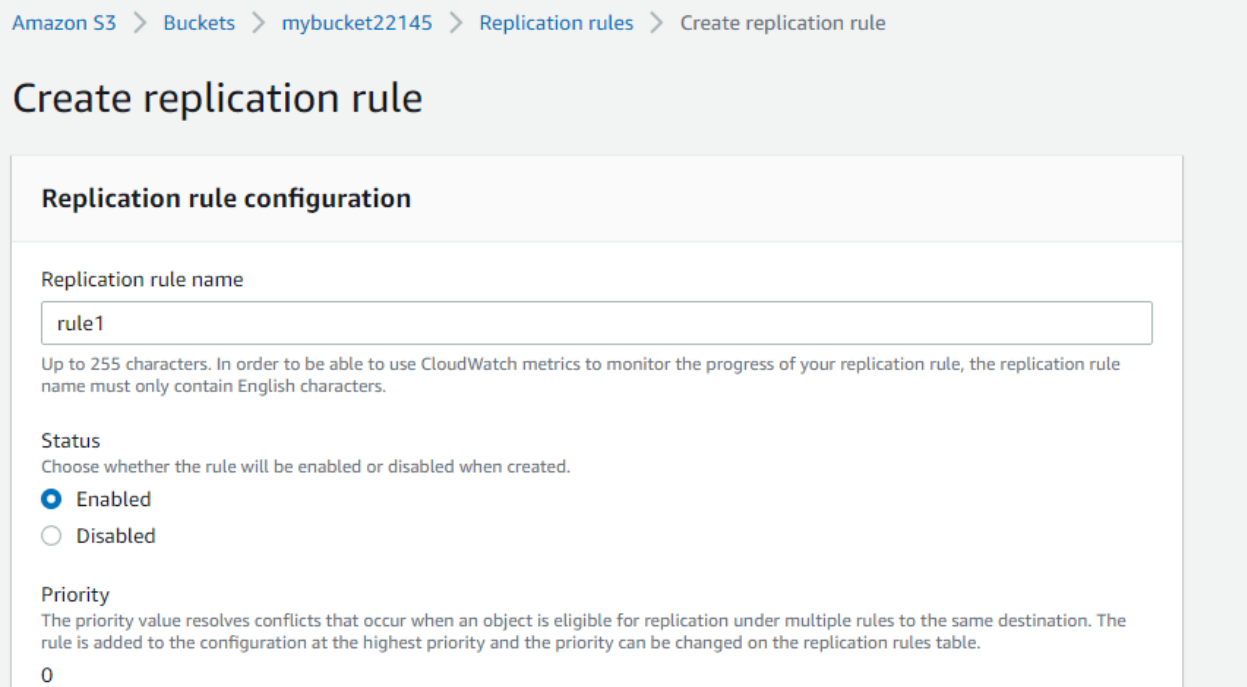
Cross region replication

Create destination new bucket

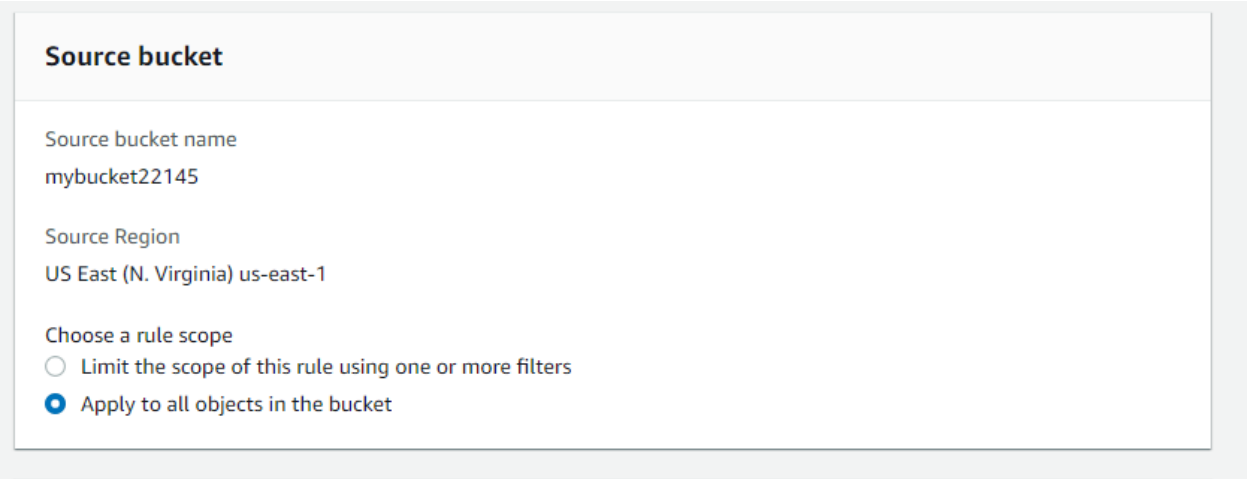


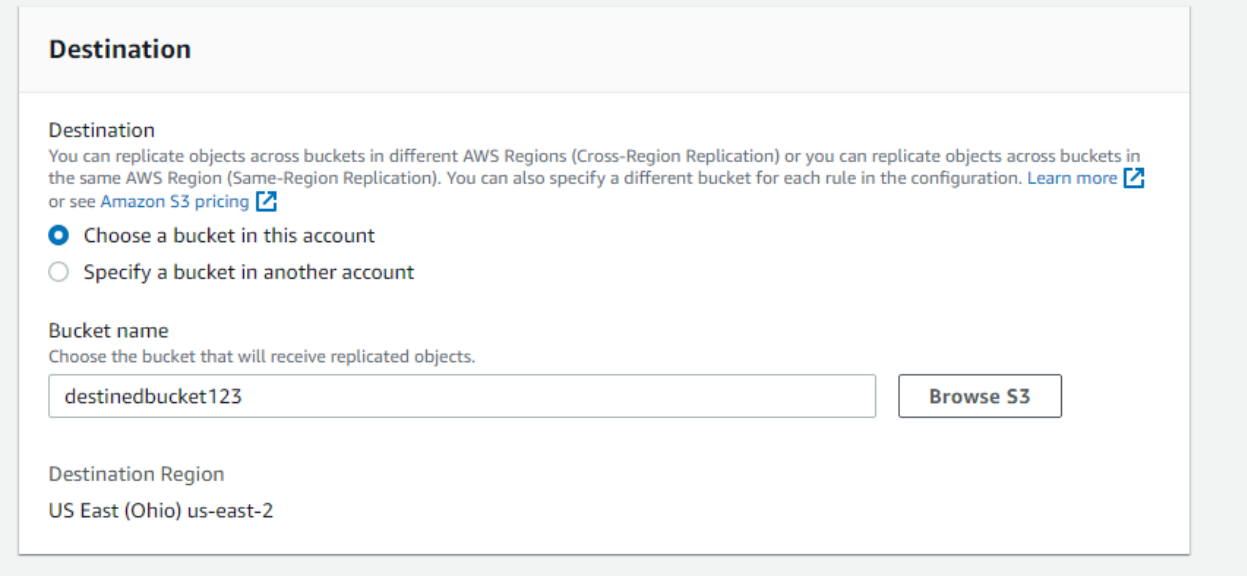
Create replication policy at source bucket

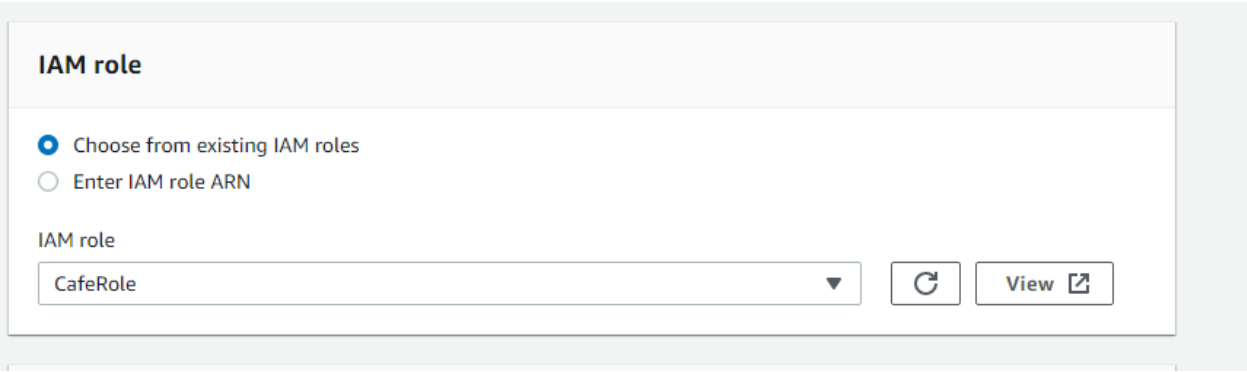


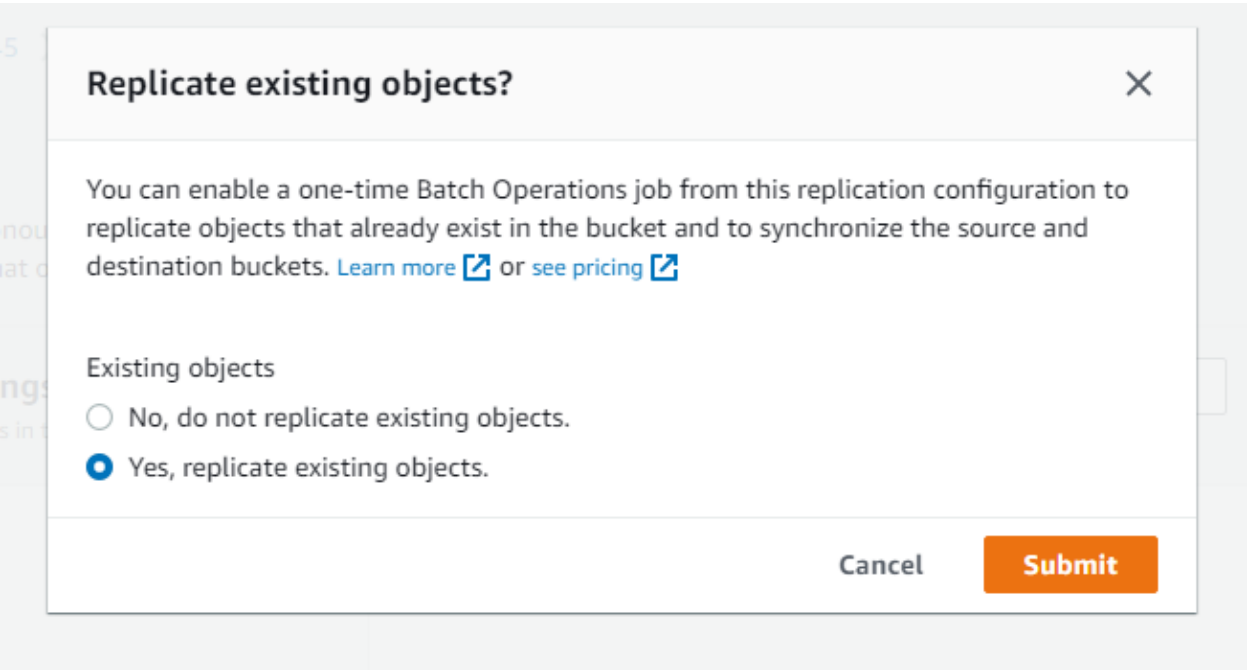

Amazon S3 > Buckets > mybucket22145 > Replication rules > Create replication rule
Create replication rule
Replication rule configuration
Replication rule name
rule1
Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule 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

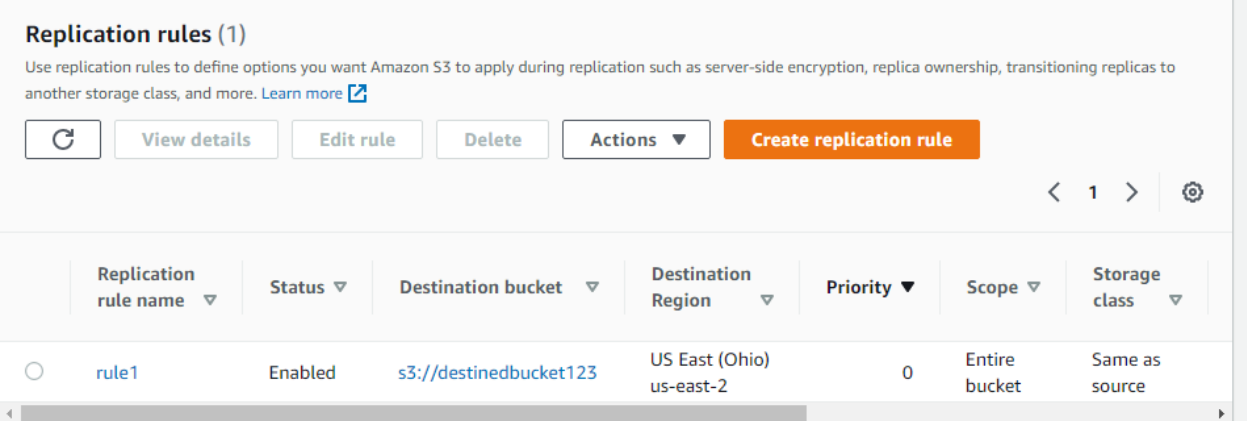
Grant all


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

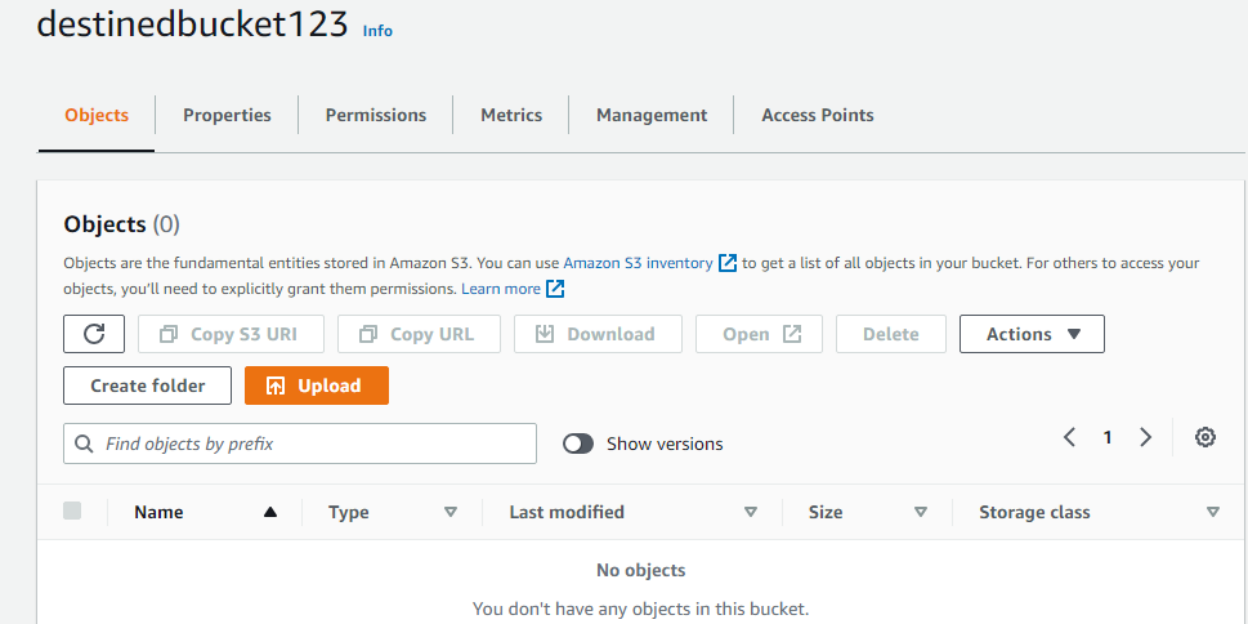

Destination
Destination
You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. Learn more
or 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.
destinedbucket123
Browse S3
Destination Region
US East (Ohio) us-east-2


IAM role
Choose from existing IAM roles
Enter IAM role ARN
IAM role
CafeRole
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

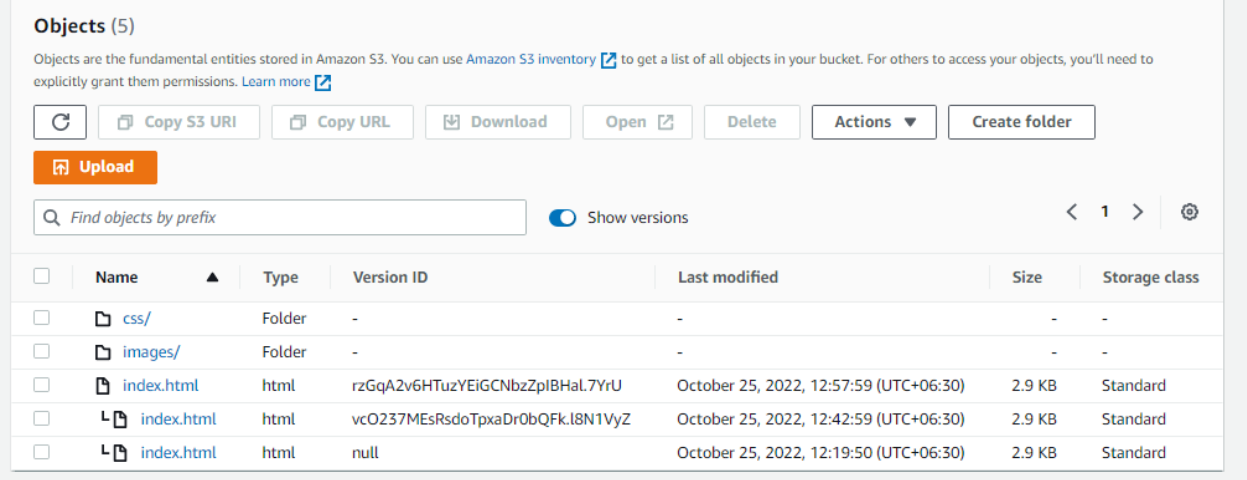


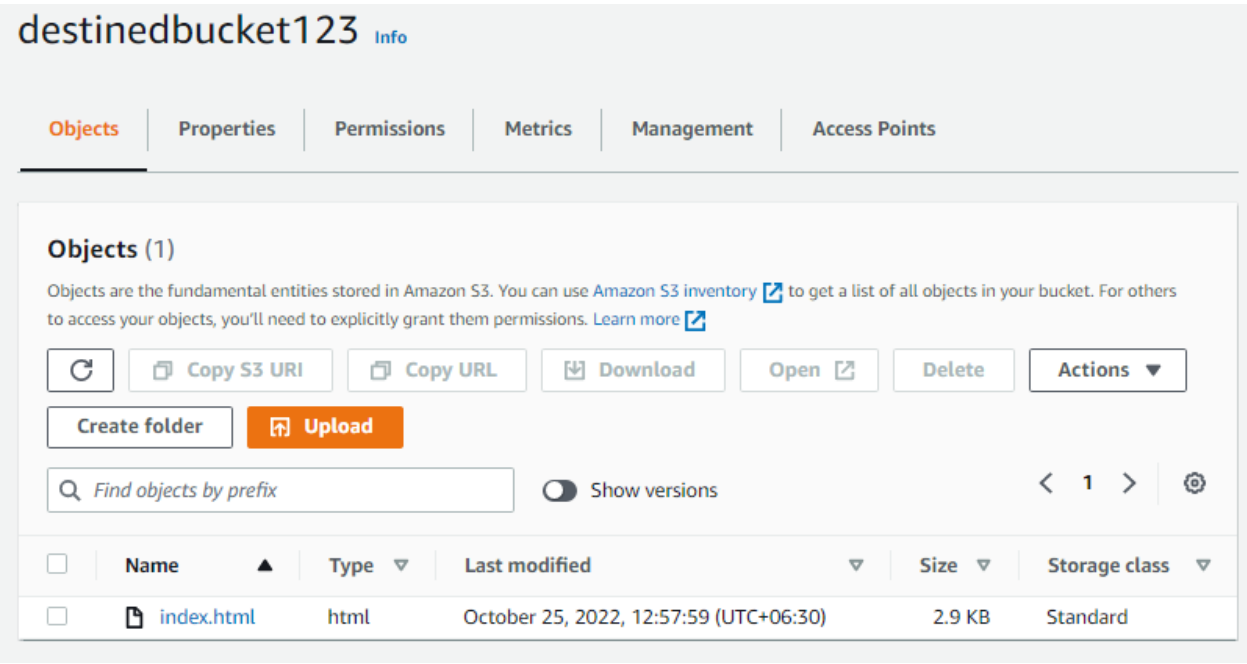
But you can’t see anything in destined bucket



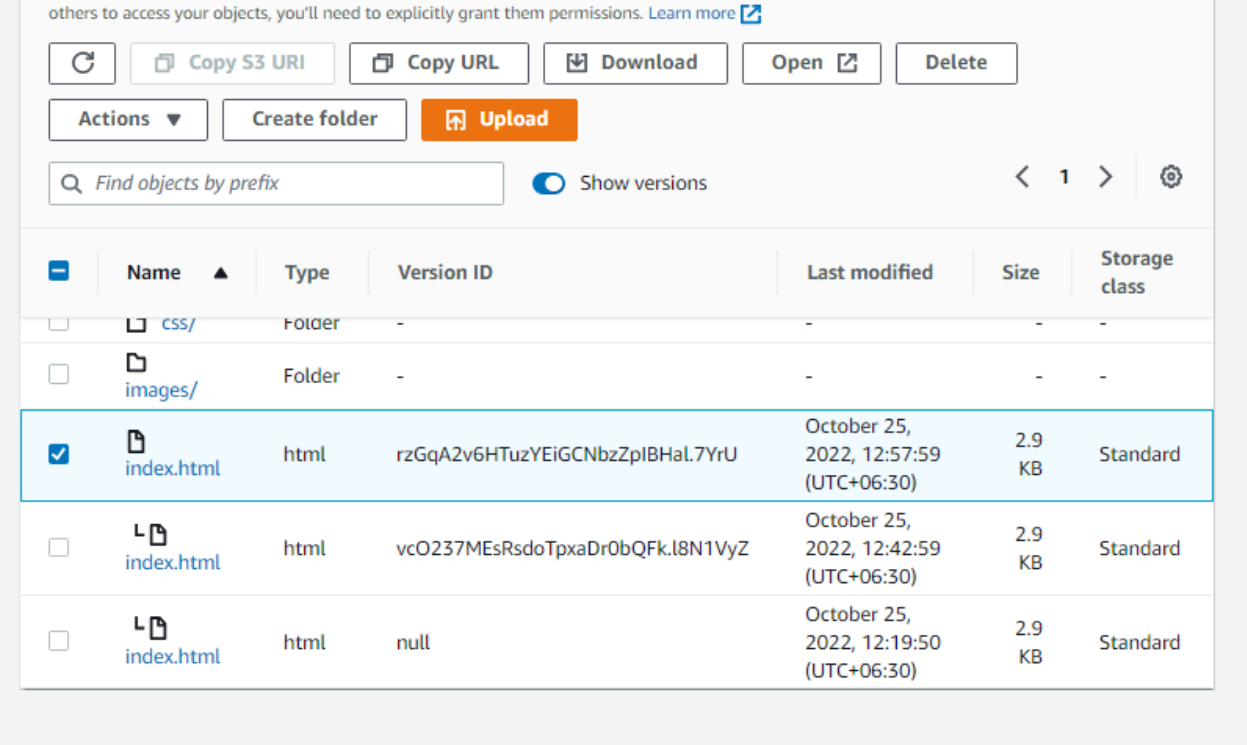
Change index.html a little bit and upload in source bucket to show how destined bucket react with that

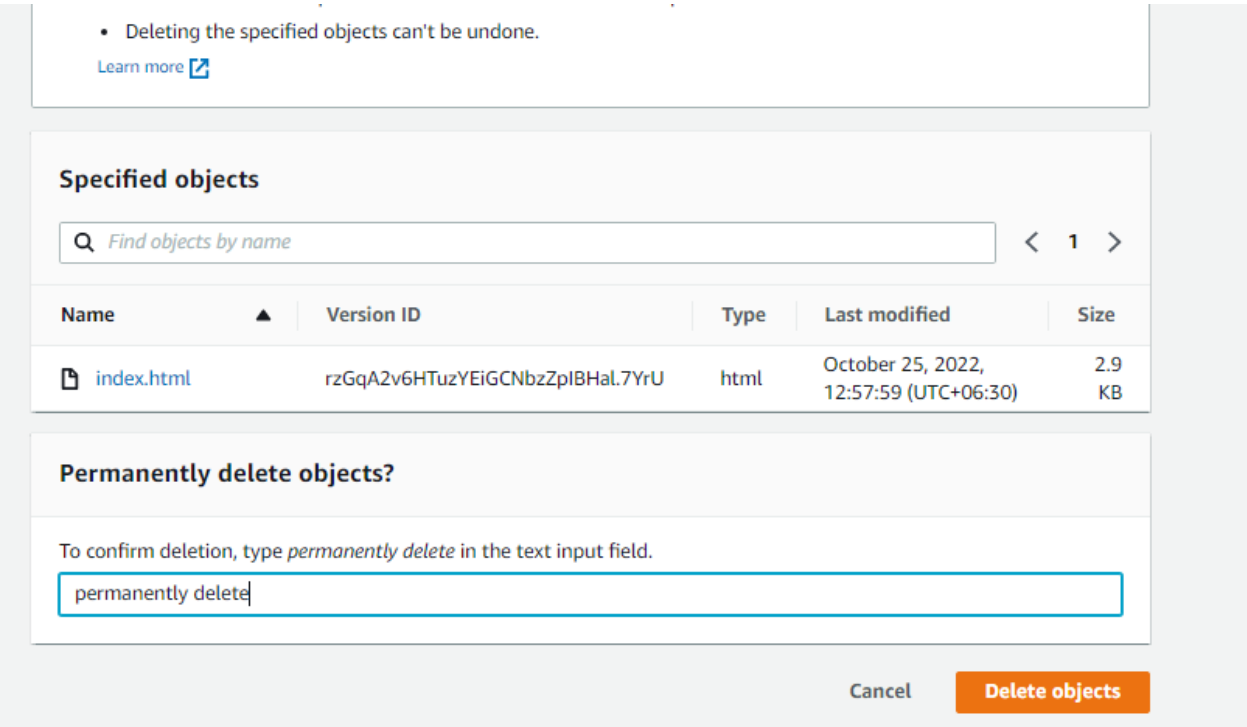
In source bucket



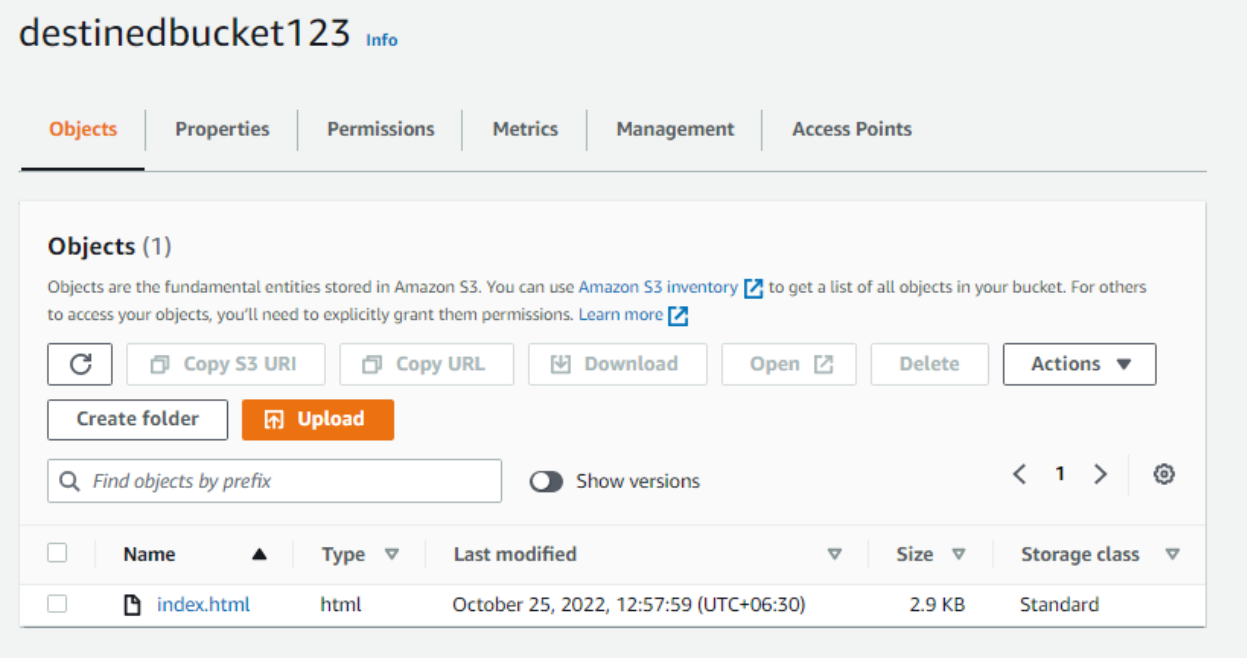


Go to source bucket and delete the latest version


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
Find objects by prefix
Show versions
1
Name
Type
Version ID
Last modified
Size
Storage class
css/
Folder
images/
Folder
index.html
html
rzGqA2v6HTuzYEiGCNbzZpIBHal.7YrU
October 25, 2022, 12:57:59 (UTC+06:30)
2.9 KB
Standard
index.html
html
vcO237MEsRsdoTpxaDr0bQFk.l8N1VyZ
October 25, 2022, 12:42:59 (UTC+06:30)
2.9 KB
Standard
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
Find objects by name
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.
permanently delete
Cancel
Delete objects

In source

Name	Type	Version ID	Last modified	Size	Storage cl
css/	Folder	-	-	-	-
images/	Folder	-	-	-	-
index.html	html	vcO237MEsRsdoTpxaDr0bQFk.l8N1VyZ	October 25, 2022, 12:42:59 (UTC+06:30)	2.9 KB	Standard
index.html	html	null	October 25, 2022, 12:19:50 (UTC+06:30)	2.9 KB	Standard

In destined bucket, it still left