

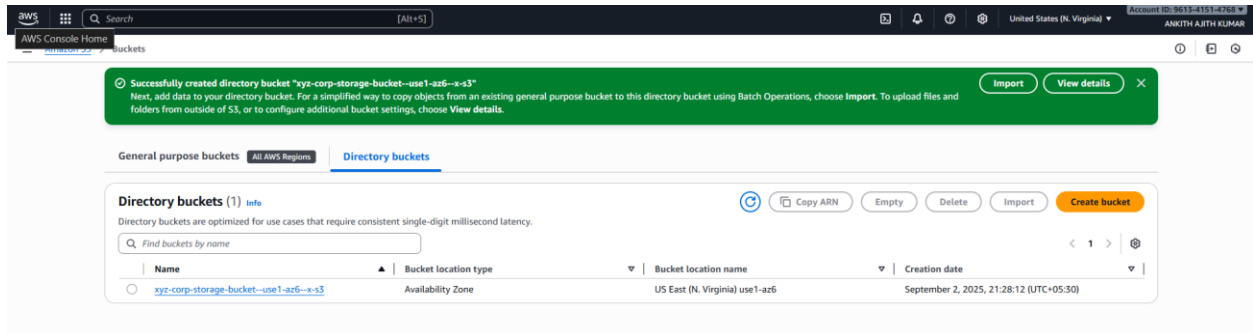
## Problem Statement:

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.

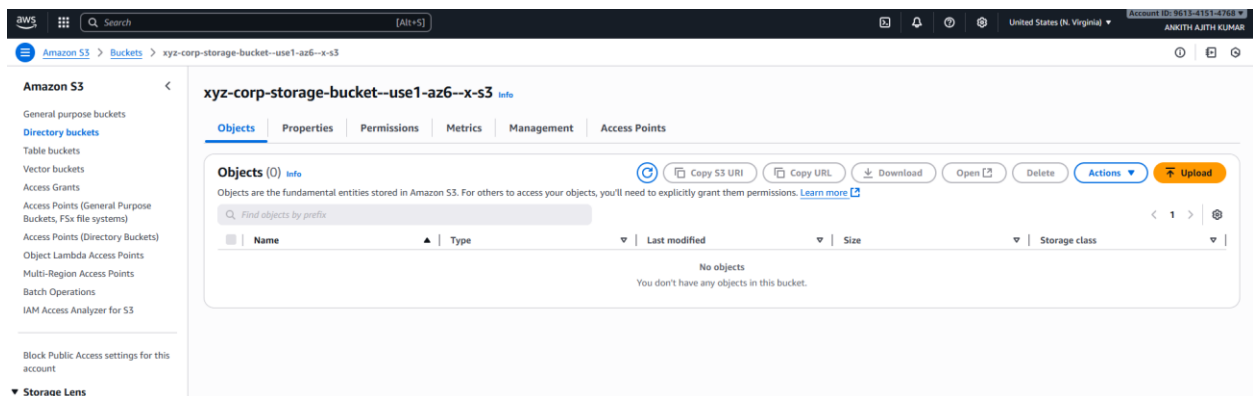
## Tasks To Be Performed:

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

## Creating bucket:



## Now i want to upload 5 objects



Amazon S3 Buckets > xyz-corp-storage-bucket-use1-az6-x-s3 > 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 SDKs 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, 3.2 KB)  
All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	notes.txt	-	text/plain	33.0 B
<input type="checkbox"/>	script.js	-	text/javascript	50.0 B
<input type="checkbox"/>	data.csv	-	text/csv	70.0 B
<input type="checkbox"/>	photo.jpg	-	image/jpeg	1.6 KB
<input type="checkbox"/>	report.pdf	-	application/pdf	1.4 KB

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

**Upload: status** [Close](#)

After you navigate away from this page, the following information is no longer available.

**Summary**

<b>Destination</b> s3://xyz-corp-storage-bucket-use1-az6-x-s3	<b>Succeeded</b> 5 files, 3.2 KB (100.00%)	<b>Failed</b> 0 files, 0 B (0%)
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[Files and folders](#) [Configuration](#)

**Files and folders** (5 total, 3.2 KB)

Name	Folder	Type	Size	Status	Error
<a href="#">notes.txt</a>	-	text/plain	33.0 B	✓ Succeeded	-
<a href="#">script.js</a>	-	text/javascript	50.0 B	✓ Succeeded	-
<a href="#">data.csv</a>	-	text/csv	70.0 B	✓ Succeeded	-
<a href="#">photo.jpg</a>	-	image/jpeg	1.6 KB	✓ Succeeded	-
<a href="#">report.pdf</a>	-	application/pdf	1.4 KB	✓ Succeeded	-

I have uploaded 5 different 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. Enable versioning for the bucket created in task 1.
2. Re-upload any 2 files already uploaded to verify if versioning works.

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 9614-4151-4768-9

ANMITH AJITH KUNHAM

Amazon S3

Buckets

Successfully created bucket "ankith-bucket1211"

To upload files and folders, or to configure additional bucket settings, choose View details.

View details

General purpose buckets

All AWS Regions

Directory buckets

General purpose buckets (1)

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	Creation date
ankith-bucket1211	US East (N. Virginia) us-east-1	September 2, 2025, 22:07:43 (UTC+05:30)

Create bucket

Account snapshot

Updated daily

Storage Lens provides visibility into storage usage and activity trends.

View dashboard

External access summary - new

External access

External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 9614-4151-4768-9

ANMITH AJITH KUNHAM

Amazon S3

Buckets

ankith-bucket1211

Edit Bucket Versioning

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

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 9614-4151-4768-9

ANMITH AJITH KUNHAM

Amazon S3

Buckets

ankith-bucket1211

Upload succeeded

For more information, see the Files and folders table.

Close

Upload: status

After you navigate away from this page, the following information is no longer available.

Summary

Destination

s3://ankith-bucket1211

Succeeded

2 files, 1.4 KB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (2 total, 1.4 KB)

Find by name

Name	Folder	Type	Size	Status	Error
notes.txt	-	text/plain	33.0 B	Succeeded	-
report.pdf	-	application/pdf	1.4 KB	Succeeded	-

## Verifying Versioning

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 9614-4151-4768-9

ANMITH AJITH KUNHAM

Amazon S3

Buckets

ankith-bucket1211

ankith-bucket1211

info

Objects

Metadata

Properties

Permissions

Metrics

Management

Access Points

Objects (7)

Copy S3 URI

Copy URI

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

Show versions

Name	Type	Version ID	Last modified	Size	Storage class
data.csv	csv	null	September 2, 2025, 22:08:34 (UTC+05:30)	70.0 B	Standard
notes.txt	txt	Fxh3yKkkIdy1GYVGk(p4P53UPRP2xs_	September 2, 2025, 22:10:32 (UTC+05:30)	33.0 B	Standard
notes.txt	txt	null	September 2, 2025, 22:08:33 (UTC+05:30)	33.0 B	Standard
photo.jpg	jpg	null	September 2, 2025, 22:08:35 (UTC+05:30)	1.6 KB	Standard
report.pdf	pdf	qhp_U1lRb7P2kVxXfBuJzdh4N0x	September 2, 2025, 22:10:33 (UTC+05:30)	1.4 KB	Standard
report.pdf	pdf	null	September 2, 2025, 22:08:36 (UTC+05:30)	1.4 KB	Standard
script.js	js	null	September 2, 2025, 22:08:34 (UTC+05:30)	50.0 B	Standard

### 3) 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. Use the created bucket in the previous task to host static websites, upload an index.html file and error.html page.

2. Add a lifecycle rule for the bucket:

a. Transition from Standard to Standard-IA in 60 days

b. Expiration in 200 days

The screenshot displays two screenshots of the AWS Management Console. The top screenshot shows the 'Edit static website hosting' page for the bucket 'ankith-bucket1211'. The 'Static website hosting' section is enabled. The 'Hosting type' is set to 'Host a static website'. The 'Index document' is 'index.html' and the 'Error document' is 'error.html'. The bottom screenshot shows the 'Upload' page for the same bucket. It displays a table of files and folders to be uploaded:

Name	Folder	Type	Size
error.html	-	text/html	444.0 B
index.html	-	text/html	417.0 B

The destination is set to 's3://ankith-bucket1211'. The 'Permissions' section is expanded, showing 'Grant public access and access to other AWS accounts'. The 'Properties' section is also expanded, showing 'Specify storage class, encryption settings, tags, and more'.

Upload succeeded  
For more information, see the Files and folders table.

**Upload: status** Close

After you navigate away from this page, the following information is no longer available.

**Summary**

<b>Destination</b> s3://ankith-bucket1211	<b>Succeeded</b> 2 files, 861.0 B (100.00%)	<b>Failed</b> 0 files, 0 B (0%)
--	--	------------------------------------

**Files and folders** (2 total, 861.0 B)

Find by name

Name	Folder	Type	Size	Status	Error
<a href="#">error.html</a>	-	text/html	444.0 B	Succeeded	-
<a href="#">index.html</a>	-	text/html	417.0 B	Succeeded	-

Successfully edited bucket policy.

Individual Block Public Access settings for this bucket

**Bucket policy** Edit Delete

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Copy

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3::ankith-bucket1211/*"
    }
  ]
}
```

Index.html: <http://ankith-bucket1211.s3-website-us-east-1.amazonaws.com>

Not secure ankith-bucket1211.s3-website-us-east-1.amazonaws.com

**Welcome to XYZ Corporation** 🚀

This is the home page hosted on Amazon S3 Static Website Hosting.

Invalid link: <http://ankith-bucket1211.s3-website-us-east-1.amazonaws.com/xyz.html>

Not secure ankith-bucket1211.s3-website-us-east-1.amazonaws.com/xyz.html

**Oops! Page Not Found** ❌

The page you are looking for doesn't exist. Please go back to the [home page](#).

Add a Lifecycle Rule:

Amazon S3

Buckets

ankith-bucket1211

Amazon S3

General purpose buckets

Directory buckets

Table buckets

Vector buckets

Access Grants

Access Points (General Purpose Buckets, FSx file systems)

Access Points (Directory Buckets)

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

ankith-bucket1211

ObjectsMetadataPropertiesPermissionsMetricsManagementAccess Points

Lifecycle configuration

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

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](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions acti...	Expired object delete ma...	Incomplete multipart up...
No lifecycle rules						
There are no lifecycle rules for this bucket.						

Create lifecycle rule

Amazon S3

Buckets

ankith-bucket1211

Lifecycle configuration

Create lifecycle rule

United States (N. Virginia)

Account ID: 9613-4151-4768

ANKITH AJITH KUMAR

## Create lifecycle rule

### Lifecycle rule configuration

#### Lifecycle rule name

TransitionAndExpire

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.

☒ Transition current versions of objects between storage classes

This action will move current versions.

☐ Transition noncurrent versions of objects between storage classes

This action will move noncurrent versions.

☒ 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.

#### Transitions are charged per request

For a lifecycle transition action, each request corresponds to an object transition. For details on lifecycle transition pricing, see requests pricing info on the [Storage & requests](#) tab of the [Amazon S3 pricing page](#).

☒ I acknowledge that this lifecycle rule will incur a transition cost per request.

### 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

aws

Search

Account ID: 9615-4151-4763

United States (N. Virginia)

ARN:ATH:ALPHA

Amazon S3 > Buckets > alpha-bucket-1211 > Lifecycle configuration

The rule "TransitionAndExpire" has been successfully added and the lifecycle configuration has been updated. It may take some time for the configuration to be updated. Refresh the lifecycle rules list if changes to the configuration aren't displayed.

### Lifecycle configuration

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.

**Default minimum object size for transitions**  
All storage classes 128K

**Lifecycle rules (1)**  
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](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions ac...	Expired object delete ...	Incomplete multipart u...
TransitionAndExpire	Enabled	Entire bucket	Transition to Standard-IA, then	-	-	-

Click to go back, refer to site history

Account ID: 9615-4151-4763

United States (N. Virginia)

ARN:ATH:ALPHA

Amazon S3 > Buckets > alpha-bucket-1211 > Lifecycle configuration > TransitionAndExpire

TransitionAndExpire

EditDeleteActions

**Lifecycle rule configuration**

Lifecycle rule name

TransitionAndExpire

Status

Enabled

Scope

Entire bucket

Prefix

-

Object tags

-

Minimum object size

-

When no minimum object size is specified, the minimum object size for transitions is determined by the lifecycle configuration. [Learn more](#)

Maximum object size

-

**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.

**Delete expired object delete markers or incomplete multipart uploads**

Expired object delete markers

-

Incomplete multipart uploads

-