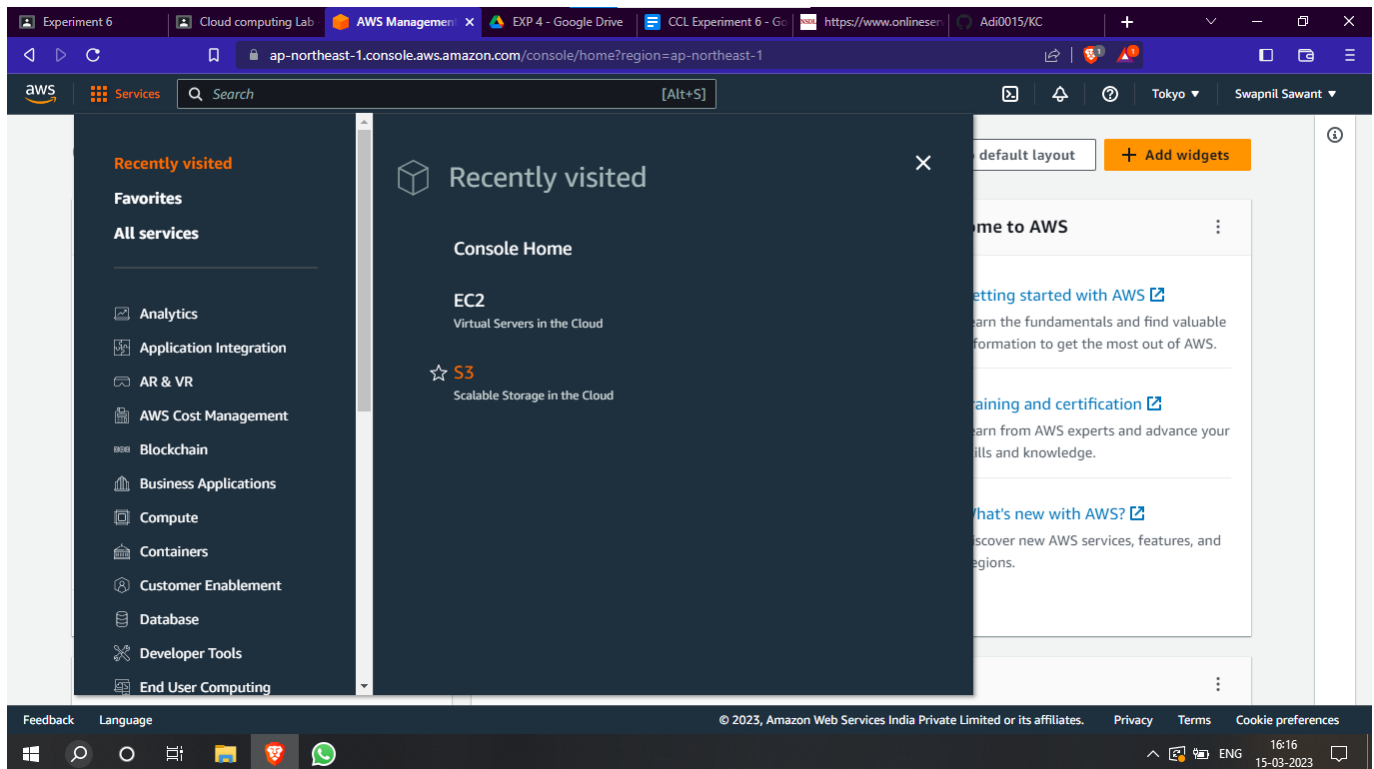


Name : Swapnil Sawant
Division : TE4
Roll No : 46
Batch : C
Subject : CCL

EXPERIMENT NO 6

Aim : To study and implement storage as a service using AWS S3.

Diagram :



Experiment 6 Cloud computing Lab S3 bucket EXP 6 - Google Drive CCL Experiment 6 - Go https://www.onlineser AdI0015/KC

s3.console.aws.amazon.com/s3/bucket/create?region=ap-northeast-1

aws Services Search [Alt+S] Global Swapnil Sawant

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
Asia Pacific (Tokyo) ap-northeast-1

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

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.

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s3.console.aws.amazon.com/s3/bucket/create?region=ap-northeast-1

aws Services Search [Alt+S] Global Swapnil Sawant

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

Upcoming permission changes to disable ACLs
Starting in April 2023, to disable ACLs when creating buckets by using the S3 console, you will no longer need the `s3:PutBucketOwnershipControls` permission. [Learn more](#)

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**

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s3.console.aws.amazon.com/s3/bucket/create?region=ap-northeast-1

aws Services Search [Alt+S]

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

☒ Disable

☐ Enable

Tags (0) - optional

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

[Add tag](#)

Default encryption Info

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption key type Info

☒ Amazon S3 managed keys (SSE-S3)

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16:20 15-03-2023

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s3.console.aws.amazon.com/s3/buckets?region=ap-northeast-1

aws Services Search [Alt+S]

Amazon S3

[Buckets](#)

[Access Points](#)

[Object Lambda Access Points](#)

[Multi-Region Access Points](#)

[Batch Operations](#)

[IAM Access Analyzer for S3](#)

[Block Public Access settings for this account](#)

Storage Lens

[Dashboards](#)

[AWS Organizations settings](#)

[Feature spotlight 3](#)

[AWS Marketplace for S3](#)

Successfully created bucket "swapnils3bucket"

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

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](#)

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

	Name	AWS Region	Access	Creation date
<input type="radio"/>	swapnils3bucket	Asia Pacific (Tokyo) ap-northeast-1	Bucket and objects not public	March 15, 2023, 16:21:08 (UTC+05:30)

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16:21 15-03-2023

Experiment 6 Cloud computing Lab swapnils3bucket EXP 6 - Google Drive CCL Experiment 6 - Go https://www.onlineser Ad0015/KC

s3.console.aws.amazon.com/s3/buckets/swapnils3bucket?region=ap-northeast-1&tab=objects

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight 3

swapnils3bucket 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

AWS Marketplace for S3

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Experiment 6 Cloud computing Lab S3 Management EXP 6 - Google Drive CCL Experiment 6 - Go https://www.onlineser Ad0015/KC

s3.console.aws.amazon.com/s3/upload/swapnils3bucket?region=ap-northeast-1

Amazon S3 Buckets swapnils3bucket 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 (1 Total, 77.0 B)

All files and folders in this table will be uploaded.

Find by name

Name	Folder	Type	Size
abc.txt	-	text/plain	77.0 B

Remove Add files Add folder

Destination

Destination

s3://swapnils3bucket

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16:28 15-03-2023

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s3.console.aws.amazon.com/s3/upload/swapnils3bucket?region=ap-northeast-1

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Upload succeeded
View details below.

Summary

Destination s3://swapnils3bucket	Succeeded 1 file, 77.0 B (100.00%)	Failed 0 files, 0 B (0%)
-------------------------------------	---------------------------------------	-----------------------------

Files and folders Configuration

Files and folders (1 Total, 77.0 B)

Find by name

Name	Folder	Type	Size	Status	Error
abc.txt	-	text/plain	77.0 B	Succeeded	-

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Experiment 6 Cloud computing Lab swapnils3bucket EXP 6 - Google Drive CCL Experiment 6 - Go https://www.onlineser AdI0015/KC

s3.console.aws.amazon.com/s3/object/swapnils3bucket?region=ap-northeast-1&prefix=abc.txt

aws Services Search [Alt+S] Global Swapnil Sawant

Amazon S3 > Buckets > swapnils3bucket > abc.txt

abc.txt Info

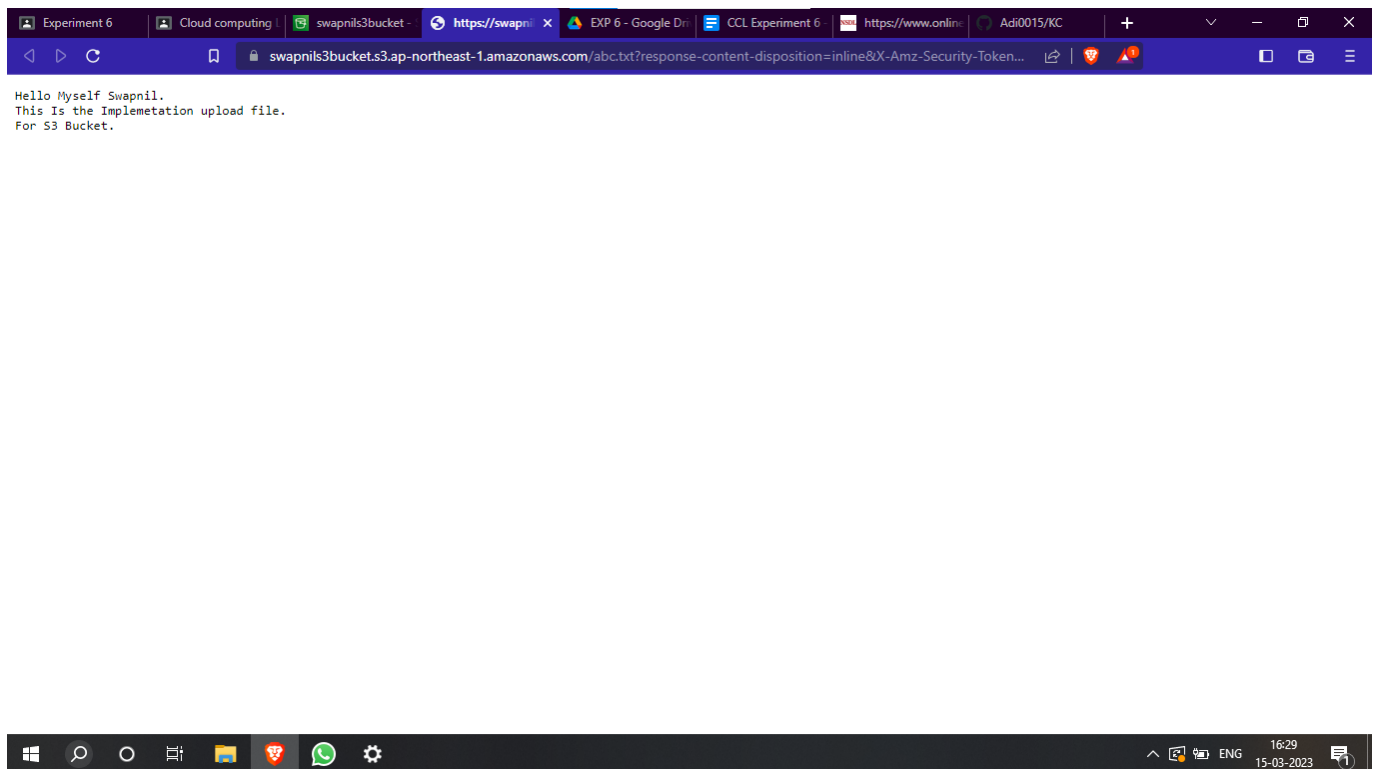
Copy S3 URI Download Open Object actions

Properties Permissions Versions

Object overview

Owner swapnil.sawant15503	S3 URI s3://swapnils3bucket/abc.txt
AWS Region Asia Pacific (Tokyo) ap-northeast-1	Amazon Resource Name (ARN) arn:aws:s3:::swapnils3bucket/abc.txt
Last modified March 15, 2023, 16:28:18 (UTC+05:30)	Entity tag (Etag) 207329e91571cee8795ede866cc0d418
Size 77.0 B	Object URL https://swapnils3bucket.s3.ap-northeast-1.amazonaws.com/abc.txt
Type txt	

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Conclusion : Hence we have studied the Storage as Service using AWS S3 Bucket Service and stored the files in the cloud using S3 bucket.