EXPERIMENT-4: S3 Bucket creation [IaaS]

Steps:

1. Sign in to the AWS Management Console and open the Amazon S3 console at https://console.aws.amazon.com/s3/.
2. Choose **Create bucket**.
3. In the **Bucket name** field, type a unique DNS-compliant name for your new bucket.

   The example screenshot uses the bucket name `admin-created`. You cannot use this name because S3 bucket names must be unique. Create your own bucket name using the following naming guidelines:

   - The name must be unique across all existing bucket names in Amazon S3.
   - After you create the bucket, you cannot change the name, so choose wisely.
   - Choose a bucket name that reflects the objects in the bucket because the bucket name is visible in the URL that points to the objects that you're going to put in your bucket.

   For information about naming buckets, see Rules for Bucket Naming in the *Amazon Simple Storage Service Developer Guide*.

4. For **Region**, choose US West (Oregon) as the Region where you want the bucket to reside.
5. Choose **Create**.

You've created a bucket in Amazon S3.

To upload an object to a bucket

1. In the **Bucket name** list, choose the name of the bucket that you want to upload your object to.
2. Choose **Upload**.
   a. Or you can choose **Get started**.
3. In the **Upload** dialog box, choose **Add files** to choose the file to upload.
4. Choose a file to upload, and then choose **Open.**
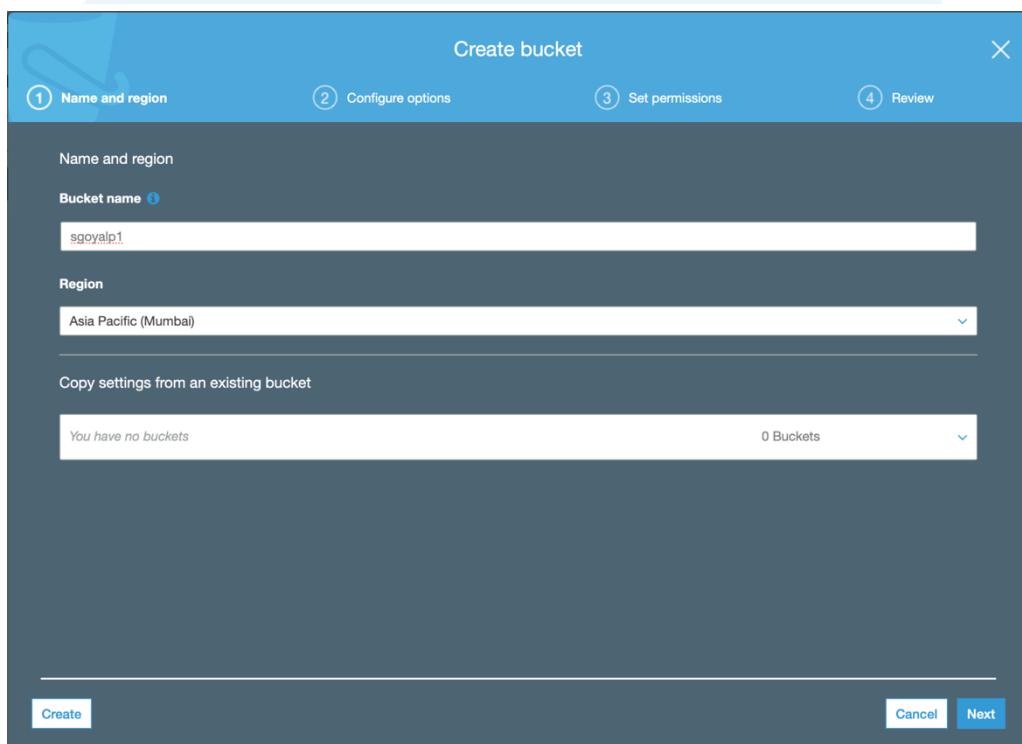5. Choose **Upload**.

To delete an object from a bucket

1. In the **Bucket name** list, choose the name of the bucket that you want to delete an object from.
2. In the **Name** list, select the check box for the object that you want to delete.
3. Choose **Actions**, and then choose **Delete**.
4. In the **Delete objects** dialog box, verify that the name of the object, and then choose **Delete**.
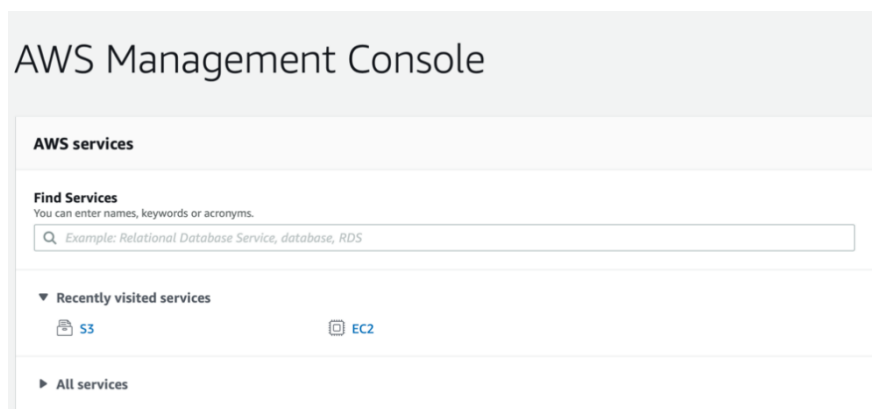
Screenshots:

Amazon S3 > sgoyalp1

Overview	Properties	Permissions	Management

⬆ Upload   ➕ Create folder   Download   Actions ⌄

Upload

① Select files   ② Set permissions   ③ Set properties   ④ Review   ✕

1 Files   Size: 1.7 KB   **Target path:** sgoyalp1

To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. Learn more ⧉

➕ Add more files

📄   goyal.pem   ✕
      - 1.7 KB

Upload   Next

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goyal.pem   Latest version ▼

Overview	Properties	Permissions	Select from

Storage class	Encryption	Metadata	Tags
Use the most appropriate storage class based on frequency of access.	Use encryption to protect your data while in-transit and at rest.	Assign optional metadata to the object as a name-value (key-value) pair.	Tag objects to search, organize and manage access
Learn more	Learn more	Learn more	Learn more
✓ Standard	⚪ None	✓ 1 metadata	⚪ 0 Tags

Encryption   ✕

⚪ None

🔘 AES-256
     Use Amazon S3 server-side encryption to encrypt your data.

⚪ AWS-KMS

Cancel   Save

goyal.pem

Download | Copy path | Select from

✕

Latest version ▼

Overview

Key	goyal.pem
Size	1.7 KB
Expiration date	N/A
Expiration rule	N/A
ETag	57276f79b1fd761a1f592e01d0b48178
Last modified	Sep 5, 2019 11:17:54 AM GMT+0530
Object URL	https://sgoyalp1.s3.ap-south-1.amazonaws.com/goyal.pem

Properties

Storage class	**Standard**
Encryption	**AES-256**
Metadata	**1**
Tags	**0 Tags**
Object lock	Disabled

Permissions

Owner

Object
Read   1 Grantees

Object
permissions
Read   1 Grantees
Write   1 Grantees
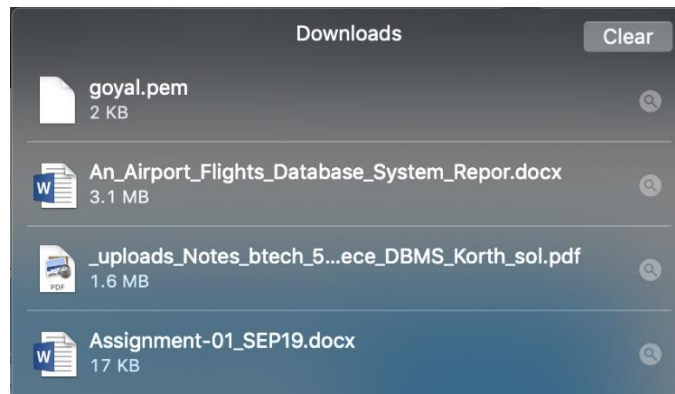
	Downloads	Clear

goyal.pem
2 KB

An_Airport_Flights_Database_System_Repor.docx
3.1 MB

_uploads_Notes_btech_5...ece_DBMS_Korth_sol.pdf
1.6 MB

Assignment-01_SEP19.docx
17 KB

Edit block public access (bucket settings)

Updating the block public access (bucket settings) will affect this bucket and all objects within. This may result in some objects becoming public.

To confirm the settings, type *confirm* in the field.

confirm

Cancel   Confirm

✓ Public access settings updated successfully   ✗

sgoyalp1

Copy Bucket ARN

Properties

	Events	0 Active notifications
	Versioning	Disabled
	MFA delete	Disabled
	Logging	Disabled
	Static web hosting	Disabled
	Tags	0 Tags
	Requester pays	Disabled
	Object lock	Disabled
	Transfer acceleration	Disabled

Permissions

	Owner	awslabsc0w344841t...
	Block public access	Disabled
	Bucket policy	No
	Access control list	1 Grantees
	CORS configuration	No

Open

Download as

Get total size

Change storage class

Restore

Change encryption

Change metadata

Add tags

Make public

Rename

Delete

Undo delete

Cut

Copy

Paste

Select from

Make public ✕

Selection: 1 Objects, 0 Folders   **Total size:** 1.7 KB   **Total objects:** 1

📄   goyal.pem
      - 1.7 KB

Everyone will have access to one or all of the following: read this object, read and write permissions.

Cancel   **Make public**

Overview

Key	goyal.pem
Size	1.7 KB
Expiration date	N/A
Expiration rule	N/A
ETag	57276f79b1fd761a1f592e01d0b48178
Last modified	Sep 5, 2019 11:17:54 AM GMT+0530
Object URL	https://sgoyalp1.s3.ap-south-1.amazonaws.com/goyal.pem

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goyal.pem   Latest version ▾

| Overview | Properties | **Permissions** | Select from |

Access for object owner

	Canonical ID ⓘ	Read object ⓘ	Read object permissions ⓘ	Write object permissions ⓘ
◯	e08c7313b00a9e6b14f434f00ebfd675628d52d93de21879 05a783d225dafe36 (Your AWS account)	Yes	Yes	Yes

Access for other AWS accounts

+ Add account   Delete

	Canonical ID ⓘ	Read object ⓘ	Read object permissions ⓘ	Write object permissions ⓘ

Public access

	Group ⓘ	Read object ⓘ	Read object permissions ⓘ	Write object permissions ⓘ
◯	Everyone	Yes	-	-