

Assignment 4: Create a private bucket in AWS. Upload a file and check by presigned URL that you can access the file or not.

1. Go to **Search** and search S3.
2. Click on **Create Bucket** and give unique **Bucket Name**.
3. Check **ACLs Disabled(recommended)**.

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

Create bucket

General configuration

Bucket name

sayans3private1

Bucket name must be globally unique and must not contain spaces or uppercase letters.

AWS Region

Asia Pacific (Sydney) ap-southeast-2

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

Choose bucket

Buckets (1)

Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name

AWS Region

Access

○

sayans3private1

Asia Pacific (Sydney) ap-southeast-2

Bucket and objects not public

4. Check **Block all public access** and keep other options as it is.
5. Click **Create Bucket**.
6. Click on Bucket name to enter into our bucket.
7. Choose **upload** and 'add files' or 'add folders' upload the required files or folders.
8. Click **Upload**, after upload completion click **Close**. Click on the file, copy **object URL** and open it to see if access is denied or not (denied).

Object Ownership

Info

Control ownership of objects written to this bucket from other AWS accounts 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.

Files and folders

Configuration

Files and folders (1 Total, 877.9 KB)

Find by name

Name

Folder

Type

Assign_1_2(AWS) SKD.pdf

-

application/pdf

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in this bucket.

○

Copy S3 URI

Copy URL

Download

Open

Delete

Find objects by prefix

○

Name

Type

Last modified

○

Assign_1_2(AWS) SKD.pdf

pdf

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https://sayans3private1.s3.ap-southeast-2.amazonaws.com/Assign+1_2(AWS)+SKD.pdf

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>3M56Q13HDE6XDMAG</RequestId>
  <HostId>DkkDMnfvTRFR0VqP1b7//TrMSsZiwbvMMOVTjG2//v+a04wUM95EG2iR0904XoqPViTU2SiC9Y=</HostId>
</Error>
```

9. Go back and select the document, click **Actions** and select **share with a presigned URL**.
10. Set the time limit and click **Create presigned URL**. Now copy the presigned URL and paste on another browser.

Share "Assign_1_2(AWS) SKD.pdf" with a presigned URL

Presigned URLs are used to grant access to an object for a limited time. [Learn more](#)

Anyone can access the object with this presigned URL until it expires, even if the bucket, and object are private.

Time interval until the presigned URL expires

Using the S3 console, you can share an object with a presigned URL for up to 12 hours or until your session expires. To create a presigned URL with a longer time interval, use the AWS CLI or AWS SDK. Time intervals for presigned URLs can be restricted by your IAM policy.

Minutes

Hours

Number of minutes

10

Must be a whole number between 1 and 720.

After you create the presigned URL, it's automatically copied to your clipboard.

Cancel

Create presigned URL

https://sayans3private1.s3.ap-southeast-2.amazonaws.com/Assign%201_2%20AW5%209%20SKD.pdf?response-content-disposition=inline&X-Amz-Security-Token=...

Assignment 1: Create an account in AWS and configure a budget.

Creating an AWS Account:

1. In browser, open the AWS home page.
2. Choose **Create an AWS account**.
3. Enter account information, and then choose **Continue**. Review account information.
4. Choose **Personal or Professional**.
5. Enter company or personal information.
6. Read and accept the AWS Customer Agreement.
7. Choose **Create Account and Continue**.

At this point, we'll receive an email message to confirm that AWS account is ready to use.

On the Payment Information page, enter information about payment method. If we want to use a different address for billing purposes, choose Use a new address.

8. Choose Verify and Add

9. To verify our phone number, choose country or region code from the list, and enter a phone number where we can be called in the next few minutes. Enter the CAPTCHA code, and submit.
10. When the AWS automated verification system calls us and provides a PIN, enter the PIN using the phone, and then choose Continue.

11. Select the AWS Support plan.

A confirmation page appears that indicates that our account is being activated.

12. Check the email and spam folder for an email message that confirms our account was activated.

Assignment 5: Create a public bucket in AWS. Upload a file and give the necessary permission to check the file URL is working or not.

1. Go to **Search** and search S3.
2. Click on **Create Bucket** and give unique **Bucket Name**.
3. Check **ACLs Enabled**.
4. Uncheck **Block all public access** and check the acknowledgement box. Leave other options as it is.

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.



Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

5. Click **Create Bucket**.
6. Click on Bucket name to enter into our bucket.
7. Choose **upload** and 'add files' or 'add folders' upload the required files or folders.
8. Click **Upload**, after upload completion click **Close**. Click on the file, copy **object URL** and open it to see if access is denied or not (denied).

Buckets (2) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

	Name	AWS Region	Access
<input type="radio"/>	sayans3private1	Asia Pacific (Sydney) ap-southeast-2	Bucket and objects not public
<input type="radio"/>	sayans3public1	Asia Pacific (Sydney) ap-southeast-2	Objects can be public

sayans3public1 Info

Objects

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in this bucket.

Find objects by prefix

	Name	Type	Last modified
<input type="checkbox"/>	Assign_1_2(AWS) SKD.pdf	pdf	February 23, 2023, 2

← ↻ https://sayans3public1.s3.ap-southeast-2.amazonaws.com/Assign+1_2(AWS)+SKD.pdf

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" ?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>X9BVTYVB1CAKMSB4</RequestId>
  <HostId>mVD0naPQLnVeA0EieW37kot3ge16e2a1N7BEI51h2n0maI7j6eGQF+T5Exr6hmdIQ/0gGq1LQqfP+9fwTen9g==</HostId>
</Error>
```

9. Again click on the document, go to **Permissions** and in Access Control List click **Edit**. Click the both checkboxes in **Everyone (public access)**. Check the **I Understand** and click **Save Changes**.
10. Again open the Object URL or refresh it.

Amazon S3 > Buckets > sayans3public1 > Assign_1_2(AWS) SKD.pdf > Edit access control list

Edit access control list Info

Access control list (ACL)
Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Objects	Object ACL
Object owner (your AWS account) Canonical ID: b5e92b74a1317bbab4b49e9b51700658e5b3094537405d6a35bf604bf1c228e	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	<input type="checkbox"/> Read	<input type="checkbox"/> Read <input type="checkbox"/> Write

← ↻ https://sayans3public1.s3.ap-southeast-2.amazonaws.com/Assign+1_2(AWS)+SKD.pdf

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4. Choose **Personal** or **Professional**.
5. Enter company or personal information.
6. Read and accept the AWS Customer Agreement.
7. Choose **Create Account and Continue**.

At this point, we'll receive an email message to confirm that AWS account is ready to use.

On the Payment Information page, enter information about payment method. If we want to use a different address for billing purposes, choose Use a new address.

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10. When the AWS automated verification system calls us and provides a PIN, enter the PIN using the phone, and then choose **Continue**.
11. Select the AWS Support plan.

A confirmation page appears that indicates that our account is being activated.

- 12. Check the email and spam folder for an email message that confirms our account was activated.

After we receive the activation message, you have full access to all AWS services.

Account Settings

Account Name: sayans3public1

Account ID: 123456789012

Account Type: Personal

Account Status: Active

Contact Information

Phone: +91 98765 43210

Email: sayans3public1@example.com