

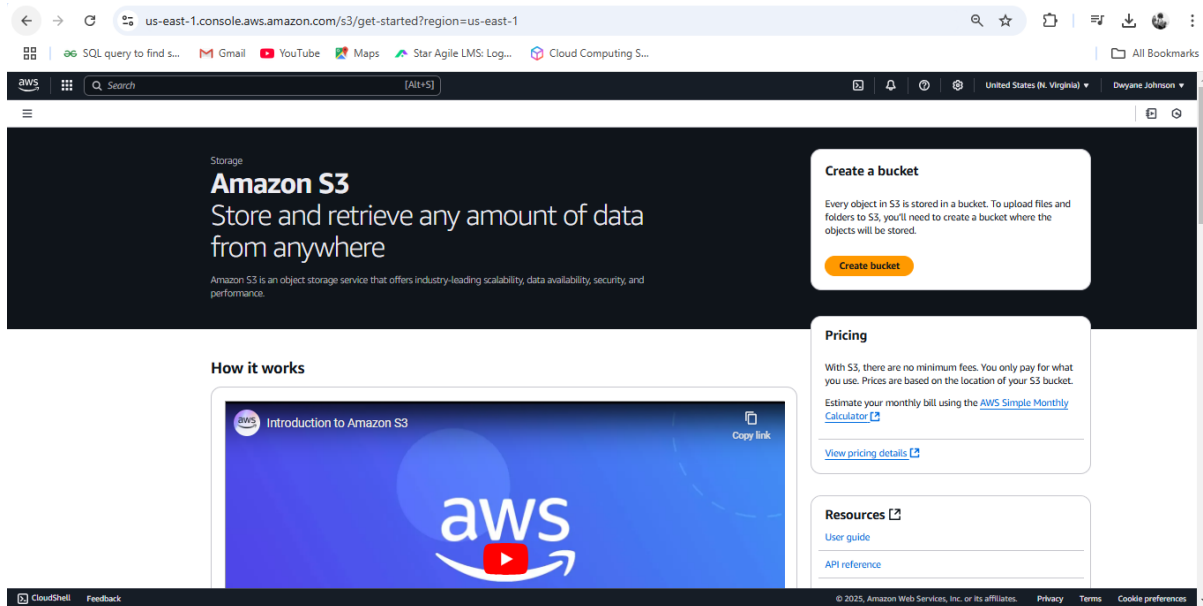
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Date: 13/01/2025

Batch no: DevOps SA2412033

## L6 - Create S3 Bucket and add folders and files

### Step 1: Home page of S3



## Step 2: Creating S3 Bucket

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Amazon S3 > Buckets > Create bucket

### Create bucket info

Buckets are containers for data stored in S3.

#### General configuration

**AWS Region**  
US East (N. Virginia) us-east-1

**Bucket type** info

☒ **General purpose**  
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory**  
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

**Bucket name** info  
assignment789d

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

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

[Choose bucket](#)

Format: s3://bucket/prefix

#### 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.

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us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Amazon S3 > Buckets > Create bucket

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**Object Ownership**  
Bucket owner enforced

#### 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**  
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☒ **Block public access to buckets and objects granted through new access control lists (ACLs)**  
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☒ **Block public access to buckets and objects granted through any access control lists (ACLs)**  
S3 will ignore all ACLs that grant public access to buckets and objects.

☒ **Block public access to buckets and objects granted through new public bucket or access point policies**  
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☒ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**  
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

#### 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**

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us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Amazon S3 > Buckets > Create bucket

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 type** [Info](#)

- ☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)
- ☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)
- ☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)  
Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the [Storage](#) tab of the [Amazon S3 pricing page](#).

**Bucket Key**  
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

- ☐ Disable
- ☒ Enable

► **Advanced settings**

1 After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

[Cancel](#) [Create bucket](#)

## Step 3: S3 bucket got created

us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general

Amazon S3 > Buckets

Successfully created bucket "assignment7890"  
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

► **Account snapshot** - updated every 24 hours [All AWS Regions](#) [View Storage Lens dashboard](#)  
Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

**General purpose buckets** | **Directory buckets**

**General purpose buckets (1)** [Info](#) [All AWS Regions](#)

Buckets are containers for data stored in S3.

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

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">assignment7890</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	January 13, 2025, 16:51:53 (UTC+05:30)

## Step 4: Uploading Folder to the bucket

The screenshot shows the AWS S3 console interface for a bucket named 'assignment7890'. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/s3/buckets/assignment7890?region=us-east-1&bucketType=general&tab=objects`. The console header includes the AWS logo, a search bar, and navigation links for 'Amazon S3', 'Buckets', and 'assignment7890'. The main content area has tabs for 'Objects', 'Metadata - Preview', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is active, showing a message: 'Objects (0) info'. Below this, a text box says: '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](#)'. A search bar with the placeholder 'Find objects by prefix' is present. Below the search bar is a table with columns: 'Name', 'Type', 'Last modified', 'Size', and 'Storage class'. The table is empty, and a message states: 'No objects. You don't have any objects in this bucket.' At the bottom of the table area is an 'Upload' button.

## Step 5: Uploaded folder

The screenshot shows the AWS S3 console 'Upload' page for the 'assignment7890' bucket. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/s3/upload/assignment7890?region=us-east-1&bucketType=general`. The console header is the same as in Step 4. The main content area has a title 'Upload info' and a message: '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](#)'. Below this is a dashed box with the text: 'Drag and drop files and folders you want to upload here, or choose [Add files](#) or [Add folder](#)'. Underneath is a section titled 'Files and folders (1 total, 245.0 B)' with a sub-message: 'All files and folders in this table will be uploaded.' There is a search bar with the placeholder 'Find by name'. Below the search bar is a table with columns: 'Name', 'Folder', 'Type', and 'Size'. The table contains one entry: 'Pand1.py' with 'Python Classes/Pand/' as the folder, 'text/x-python' as the type, and '245.0 B' as the size. To the right of the table are buttons for 'Remove', 'Add files', and 'Add folder'. Below the table is a section titled 'Destination info' with a sub-message: 'Destination [s3://assignment7890](#)'. Below this is a section titled 'Destination details' with a sub-message: 'Bucket settings that impact new objects stored in the specified destination.' Below this are sections for 'Permissions' (Grant public access and access to other AWS accounts) and 'Properties' (Specify storage class, encryption settings, tags, and more). The footer of the console shows 'CloudShell', 'Feedback', and copyright information: '© 2025 Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

us-east-1.console.aws.amazon.com/s3/upload/assignment7890?region=us-east-1&bucketType=general

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://assignment7890	<b>Succeeded</b> 1 file, 245.0 B (100.00%)	<b>Failed</b> 0 files, 0 B (0%)
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**Files and folders** | Configuration

**Files and folders** (1 total, 245.0 B)

Find by name

Name	Folder	Type	Size	Status	Error
<a href="#">Pand1.py</a>	Python Classes/Pand/	text/x-python	245.0 B	Succeeded	-

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## Step 6: Uploading file

us-east-1.console.aws.amazon.com/s3/upload/assignment7890?region=us-east-1&bucketType=general

Amazon S3 > Buckets > assignment7890 > 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** (1 total, 114.7 KB)

All files and folders in this table will be uploaded.

Find by name

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	AWS Cloud.pdf	-	application/pdf	114.7 KB

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

**Destination** [info](#)

**Destination**  
[s3://assignment7890](#)

**Destination details**  
Bucket settings that impact new objects stored in the specified destination.

**Permissions**  
Grant public access and access to other AWS accounts.

**Properties**  
Specify storage class, encryption settings, tags, and more.

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## Step 7: Both folders and file has been uploaded in S3 bucket

The screenshot shows the AWS S3 console interface for a bucket named 'assignment7890'. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/s3/buckets/assignment7890?region=us-east-1&bucketType=general&tab=objects`. The console header includes the AWS logo, a search bar, and navigation links for 'Amazon S3' and 'Buckets'. The bucket name 'assignment7890' is displayed at the top of the console content.

Below the bucket name, there are tabs for 'Objects', 'Metadata - Preview', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is selected.

The 'Objects' section shows a list of objects in the bucket. At the top, there are buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. Below these buttons is a search bar labeled 'Find objects by prefix' and a pagination control showing '1' of 1 objects.

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">AWS Cloud.pdf</a>	pdf	January 13, 2025, 16:57:56 (UTC+05:30)	114.7 KB	Standard
<input type="checkbox"/>	<a href="#">Python Classes/</a>	Folder	-	-	-