

Hands On Amazon S3

1. Create S3 bucket in an AWS region and give a unique name to it

aws Services Search [Alt+S] Global Prathamesh Sawant

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 - New**
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
mydemobucket-prathamesh
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.

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.

2. Bucket

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[Amazon S3](#) > Buckets

Account snapshot
Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

General purpose buckets | Directory buckets

General purpose buckets (2) Info

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

Buckets are containers for data stored in S3.

Search my 1 match < 1 > Settings

Name	AWS Region	Access	Creation date
mydemobucket-prathamesh	US East (N. Virginia) us-east-1	Bucket and objects not public	February 25, 2024, 19:11:03 (UTC+05:30)

3. Upload Objects into the bucket

The screenshot shows the AWS S3 'Upload' console. At the top, there's a navigation bar with the AWS logo, 'Services', a search bar, and user information. The main heading is 'Upload' with an 'Info' link. Below this, a message states: '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](#)'. A dashed box contains the instruction: 'Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.' Below this, a section titled 'Files and folders (1 Total, 50.6 KB)' shows a table of files to be uploaded. The table has columns for Name, Folder, Type, and Size. One file is listed: 'Cover_Prathamesh.p...' with a size of 50.6 KB and type 'image/png'. Below the table, there's a 'Destination' section with the path 's3://mydemobucket-prathamesh'. It includes expandable sections for 'Destination details', 'Permissions', and 'Properties'. At the bottom right, there are 'Cancel' and 'Upload' buttons.

Files and folders (1 Total, 50.6 KB)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	Cover_Prathamesh.p...	-	image/png	50.6 KB

Destination

Destination

s3://mydemobucket-prathamesh

► **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.

Cancel Upload

The screenshot shows the AWS S3 console interface. The breadcrumb navigation at the top reads: Amazon S3 > Buckets > mydemobucket-prathamesh > Cover_Prathamesh.png. The main heading is "Cover_Prathamesh.png" with an "Info" link. Below the heading are buttons for "Copy S3 URI", "Download", "Open", and "Object actions". There are three tabs: "Properties", "Permissions", and "Versions", with "Properties" being the active tab. The "Object overview" section displays the following details:

Property	Value
Owner	sawantpr78
AWS Region	US East (N. Virginia) us-east-1
Last modified	February 25, 2024, 19:25:22 (UTC+05:30)
Size	50.6 KB
Type	png
Key	Cover_Prathamesh.png
S3 URI	s3://mydemobucket-prathamesh/Cover_Prathamesh.png
Amazon Resource Name (ARN)	arn:aws:s3:::mydemobucket-prathamesh/Cover_Prathamesh.png
Entity tag (Etag)	73c369ede468ec6e10a205086e2c61ab
Object URL	https://mydemobucket-prathamesh.s3.amazonaws.com/Cover_Prathamesh.png

4. Create a folder and upload objects in it

The screenshot shows the AWS S3 console interface for the bucket "mydemobucket-prathamesh". The breadcrumb navigation at the top reads: Amazon S3 > Buckets > mydemobucket-prathamesh > images/. The main heading is "images/" with a "Copy S3 URI" button. There are two tabs: "Objects" and "Properties", with "Objects" being the active tab. The "Objects (1)" section displays the following details:

Object	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	1234.jpg	jpg	February 25, 2024, 19:32:53 (UTC+05:30)	52.0 KB	Standard