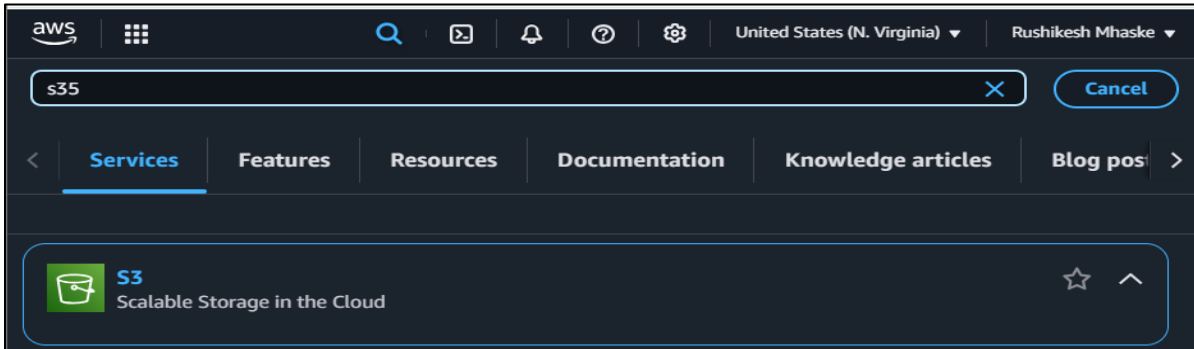


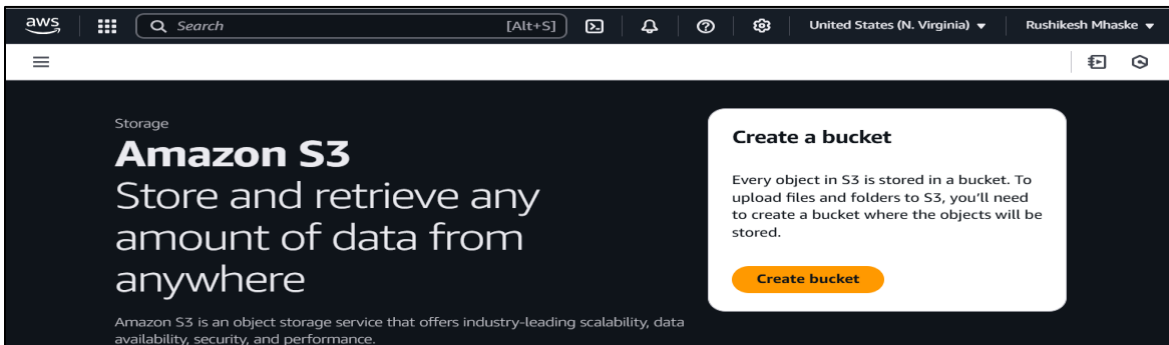
PRACTICAL 9

AIM: Getting Started with S3 in AWS

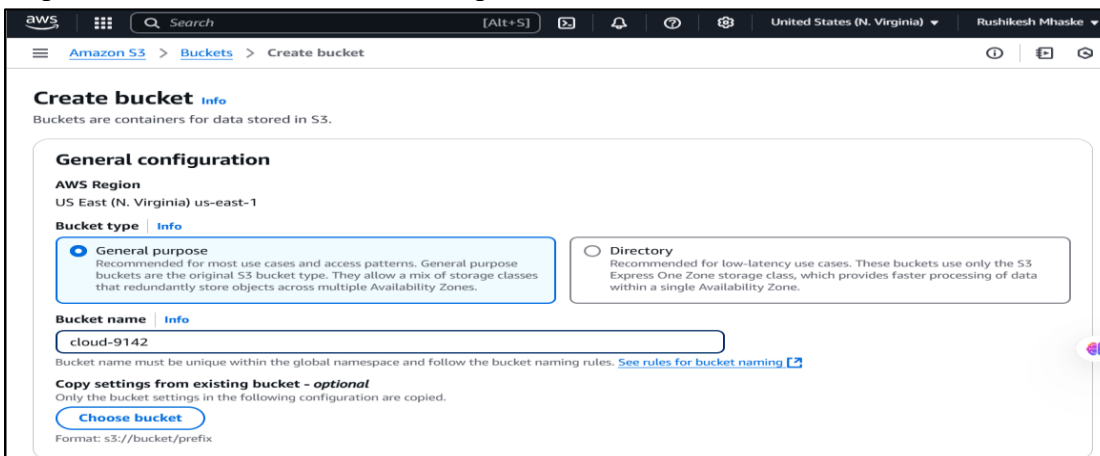
Step 1.Login to AWS Account and search S3.



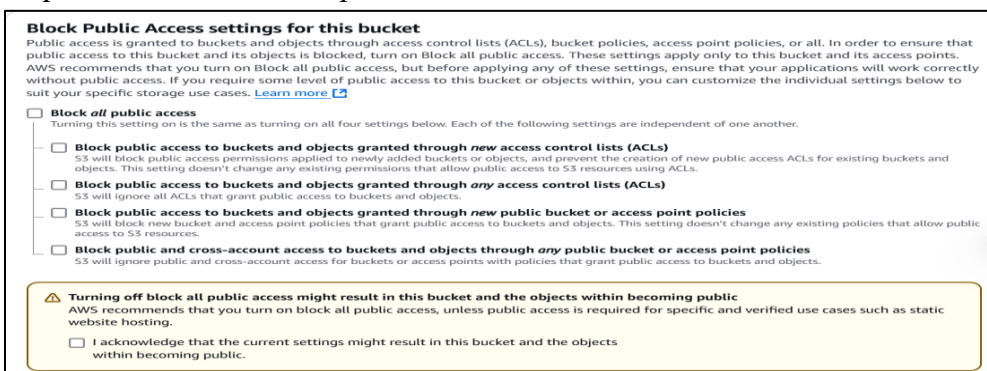
Step 2.Click on create bucket



Step 3. Name the bucket and rest keep as it is



Step 4.Uncheck block all public access



Step 5. Click on create button

► Advanced settings

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

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

The bucket will be created.

aws

Search

[Alt+S]

United States (N. Virginia)

Rushikesh Mhaske

Amazon S3

Buckets

✔ Successfully created bucket "cloud-9142"

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

[Refresh](#)

[Copy ARN](#)

[Empty](#)

[Delete](#)

[Create bucket](#)

Buckets are containers for data stored in S3.

< 1 >

[Settings](#)

Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/> cloud-9142	US East (N. Virginia) us-east-1	View analyzer for us-east-1	February 3, 2025, 00:49:48 (UTC+05:30)

Step 6. Go to Permission tabs>bucket policy>edit>policy generator>

aws

Search

[Alt+S]

United States (N. Virginia)

Rushikesh Mhaske

Amazon S3

Buckets

cloud-9142

cloud-9142

Info

Objects

Metadata

Properties

Permissions

Metrics

Management

Access Points

Permissions overview

Access finding

Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#)

[View analyzer for us-east-1](#)

Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Block all public access

OFF

► Individual Block Public Access settings for this bucket

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

[Edit](#) [Delete](#)

aws

Search

[Alt+S]

United States (N. Virginia)

Rushikesh Mhaske

Amazon S3

Buckets

cloud-9142

Edit bucket policy

Edit bucket policy

Info

Bucket policy

[Policy examples](#) [Policy generator](#)

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)


Step 7. Copy the bucket Arn then go to edit policy page

Edit bucket policy [Info](#)

Bucket policy

[Policy examples](#) [Policy generator](#)

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Bucket ARN
 `arn:aws:s3:::cloud-9142`

Step 8 : Select S3 bucket policy as policy type; Principal-*; Amazon s3-aws service; GetObject-actions; Arn-copy; and paste bukcte arn no here; Click on add statement.

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an [IAM Policy](#), an [S3 Bucket Policy](#), an [SNS Topic Policy](#), a [VPC Endpoint Policy](#), and an [SQS Queue Policy](#).

Select Type of Policy S3 Bucket Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See [a description of elements](#) that you can use in statements.

Effect ☒ Allow ☐ Deny

Principal
Use a comma to separate multiple values.

AWS Service Amazon S3 ☐ All Services ("*")
Use multiple statements to add permissions for more than one service.


Actions 1 Action(s) Selected ☐ All Actions ("*")

Amazon Resource Name (ARN)
ARN should follow the following format: `arn:aws:s3:::{BucketName}/{KeyName}`.
Use a comma to separate multiple values.

[Add Conditions \(Optional\)](#)

Add Statement

Copy policy; Go to edit policy and paste there; Beside arn no write /*

Policy JSON Document 

Click below to edit. To save the policy, copy the text below to a text editor.
Changes made below will not be reflected in the policy generator tool.

```
{
  "Id": "Policy1738524707325",
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Stmnt1738524695757",
      "Action": [
        "s3:GetObject"
      ],
      "Effect": "Allow",
      "Resource": "arn:aws:s3:::cloud-9142",
      "Principal": "*"
    }
  ]
}
```

This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that your use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided as is without warranty of any kind, whether

Close

Add statement>generate policy

The screenshot shows the 'Edit bucket policy' page in the AWS IAM console. The breadcrumb trail is 'Amazon S3 > Buckets > cloud-9142 > Edit bucket policy'. The page title is 'Edit bucket policy' with an 'Info' link. Below the title, there's a 'Bucket policy' section with a description: 'The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)'. There are two buttons: 'Policy examples' and 'Policy generator'. The 'Bucket ARN' is 'arn:aws:s3:::cloud-9142'. The 'Policy' section shows a JSON policy with a single statement 'GetObject' with 'Effect': 'Allow' and 'Resource': 'arn:aws:s3:::cloud-9142'. On the right, there's an 'Edit statement' section with a 'Select a statement' prompt and an '+ Add new statement' button.

```
1 {
2   "Id": "Policy1738524789357",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "Stmt1738524695757",
7       "Action": [
8         "s3:GetObject"
9       ],
10      "Effect": "Allow",
11      "Resource": "arn:aws:s3:::cloud-9142",
12      "Principal": "*"
13    }
14  ]
15 }
```

9.upload files folder

The screenshot shows the 'Upload' page in the AWS S3 console. The breadcrumb trail is 'Amazon S3 > Buckets > cloud-9142 > Upload'. The page title is 'Upload' with an 'Info' link. Below the title, there's a description: '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](#)'. There's a dashed box for dragging and dropping files. Below that, there's a 'Files and folders (1 total, 3.7 MB)' section with a search bar and a table. The table has columns: Name, Folder, Type, and Size. It contains one entry: '9142_cc5.docx' with type 'application/vnd.openxmlformats-officedocument.wordprocessingml.document' and size '3.7 MB'. There are 'Remove', 'Add files', and 'Add folder' buttons. Below the table, there's a 'Destination' section with a link to 's3://cloud-9142' and a 'Destination details' section.

Name	Folder	Type	Size
9142_cc5.docx	-	application/vnd.openxmlformats-officedocument.wordprocessingml.document	3.7 MB

The screenshot shows the 'Upload: status' page in the AWS S3 console. The breadcrumb trail is 'Amazon S3 > Buckets > cloud-9142 > Upload: status'. The page title is 'Upload: status' with a 'Close' button. Below the title, there's a green banner: 'Upload succeeded. For more information, see the Files and folders table.' Below that, there's a 'Summary' section with a table showing 'Destination: s3://cloud-9142', 'Succeeded: 1 file, 3.7 MB (100.00%)', and 'Failed: 0 files, 0 B (0%)'. There are two tabs: 'Files and folders' (selected) and 'Configuration'. Below the tabs, there's a 'Files and folders (1 total, 3.7 MB)' section with a search bar and a table. The table has columns: Name, Folder, Type, Size, Status, and Error. It contains one entry: '9142_cc5.docx' with status 'Succeeded'.

Name	Folder	Type	Size	Status	Error
9142_cc5.docx	-	application/vnd.openxmlformats-officedocument.wordprocessingml.document	3.7 MB	Succeeded	-